

Pensieve header: The PBW multiplication tensor for \mathfrak{sl}_n using the λ -tangent formalism. Some material from pensieve://Projects/UEA.

```
In[*]:= SetDirectory@"C:\\drorbn\\AcademicPensieve\\Projects\\SolvablePBW";
<< KnotTheory`
```

Loading KnotTheory` version of October 29, 2024, 10:29:52.1301.
Read more at <http://katlas.org/wiki/KnotTheory>.

Prolog

```
In[*]:= BeginPackage["UEA`"];
Print["UEA` does computations in general universal enveloping
algebras and PBW algebras. It is in the public domain, available
at http://drorbn.net/AcademicPensieve/Projects/SolvablePBW/.
Dror Bar-Natan is committed to support it within
reason until June 1, 2027. This is version 260601."];
Print["UEA` implements / extends ",
Sort@{"**",  $\epsilon$ , $k, CF, SSQ, NilQ, B, m, SetAlgebra, U,
UB, UProducts, USimp, UU, $Basis, $PBWRule,  $\delta$ , adPower, adExp},
"."];
Begin["`Private`"];
```

UEA` does computations in general universal enveloping algebras and PBW algebras. It is in the public domain, available at <http://drorbn.net/AcademicPensieve/Projects/SolvablePBW/>. Dror Bar-Natan is committed to support it within reason until June 1, 2027. This is version 260601.

UEA` implements / extends {**, adExp, adPower, B, CF, m, NilQ, SetAlgebra, SSQ, U, UB, UProducts, USimp, UU, δ , ϵ , \$Basis, \$k, \$PBWRule}.

Utilities

```
In[*]:=  $\delta_{i,j}$  := If[i == j, 1, 0];
```

```
In[*]:= SSQ[c_.*x_] /; MemberQ[$Basis, x] := ~ NilQ[x]; (* Semi-Simple Q *)
NilQ[c_.*x_] /; MemberQ[$Basis, x] := NilQ[x];
SSQ[x_Plus] := And @@ (SSQ /@ (List @@ x));
NilQ[x_Plus] := And @@ (NilQ /@ (List @@ x));
```

```
In[*]:= $k = 1;
```

```
In[*]:= CF[ $\mathcal{E}$ _] := Expand[ $\mathcal{E}$  /.  $e^L$  ->  $e^{\text{Expand}[L]}$ ] /. { $e^{k\cdot}$  /;  $k > \$k$  -> 0};
```

Implementing general universal enveloping algebras

```
In[*]:= B[0, _] = 0; B[_ , 0] = 0;
B[c_*x_, y_] /; MemberQ[$Basis, x] := CF[c B[x, y]];
B[y_, c_*x_] /; MemberQ[$Basis, x] := CF[c B[y, x]];
B[x_Plus, y_] := B[#, y] & /@ x;
B[x_, y_Plus] := B[x, #] & /@ y;
B[x_, x_] = 0;
B[y_, x_] := CF[-B[x, y]];
```

```
In[*]:= x_ ≤ y_ := OrderedQ[{x, y} /. $PBWRule]; x_ < y_ := ! OrderedQ[{y, x} /. $PBWRule];
UU_i_[1] := U_i[];
UU_i_[x_P_] := UU_i_@@Table[x, {p}];
UU_i_[ε_] := ε /. {
  U[xs__] => U_i[xs],
  x_ /; MemberQ[$Basis, x] => U_i[x]
};
UU_i_[x_, xs__] := UU_t1[x] UU_t2[xs] // Expand // m_{t1,t2->i};
USimp[ε_] := Collect[ε, Times[U_[] ..], Expand];
USimp[ε_] := Expand[ε];
```

```
In[*]:= m_s_[0] = 0;
m_s_[x_Plus] := m_s_ /@ x;
m_s_[sd_SeriesData] := MapAt[m_s, sd, {3, All}];
m_{i->j}[ε_] := ε /. U_i -> U_j;
```

```
In[*]:= m_{i,j->k}[c_. U_i[x__] U_j[]] := c U_k[x];
m_{i,j->k}[c_. U_i[] U_j[y__]] := c U_k[y];
m_{i,j->k}[c_. U_i[xx__, x_] U_j[y_, yy__]] := If[x ≤ y,
  c U_k[xx, x, y, yy],
  ((U_i[xx] (U_j[y, x] + UU_j[B[x, y]])) // Expand // m_{i,j->i} U_j[yy] // Expand // m_{i,j->k})
  c // USimp
];
```

```
In[*]:= UProducts[{}, 0] = {1}; UProducts[{}, d_Integer] /; d > 0 = {};
UProducts[{i_, is__}, d_Integer] := Sort@
  Flatten@Table[(U_i@@@Subsets[$Basis, {j}]) u, {j, 0, d}, {u, UProducts[is, d-j]}];
```

```
In[*]:= Supp[ε_] := Union@Cases[ε, U_i[___] => i, ∞];
```

```
In[*]:= Unprotect[NonCommutativeMultiply];
NonCommutativeMultiply[x_] := x;
x_  $\otimes$  y_ := Module[{is = Supp[x]  $\cap$  Supp[y],  $\sigma$ , z},
  z = x; Do[z = mi $\rightarrow$  $\sigma$ ei[z], {i, is}];
  z = Expand[y z]; Do[z = m $\sigma$ ei, i $\rightarrow$ i[z], {i, is}]; z];
UB[x_, y_] := USimp[x  $\otimes$  y - y  $\otimes$  x];
```

Epilog

```
In[*]:= End[]; EndPackage[];
```

Predefined Algebras

sl(2)

```
In[*]:= Print["UEA`SetAlgebra knows \"s12\"."];
```

UEA`SetAlgebra knows "s12".

```
In[*]:= SetAlgebra["s12"] := (
  Print["In s12: <e,h,f>/([h,e]=2e, [h,f]=-2f, [e,f]=h)."];
  B[h, e] = 2 e; B[h, f] = -2 f; B[e, f] = h;
  $Algebra = "s12";
  $Basis = {e, h, f};
  $PBWRule = {e  $\rightarrow$  1, h  $\rightarrow$  2, f  $\rightarrow$  3};
  NilQ[e] = NilQ[f] = True; NilQ[h] = False;
);
```

$gl_{n,\epsilon}$

```
In[*]:= Print["UEA`SetAlgebra knows the  $\epsilon$ -nilpotent algebra gln, $\epsilon$ \"."];
```

UEA`SetAlgebra knows the ϵ -nilpotent algebra gl_{n, ϵ .}

```
In[*]:= SetAlgebra[gln,ε] := (
  $Algebra = gln,ε;
  $Basis = Flatten@{
    Table[yα,β, {β, 2, n}, {α, 1, β - 1}],
    Table[xα,β, {β, 1, n}, {α, 1, β}]
  };
  $Basis =
  Reverse@SortBy[$Basis, If[#[[1]] === x, {0, #[[3]] - #[[2]], {1, #[[2]] - #[[3]]}] &];
  NilQ[y_] = True; NilQ[xα,β] := (α != β); (* Nilpotent Q *)
  $PBWRule = Thread[$Basis → Range@Length@$Basis];
  B[xi,j, xk,l] := δj,k xi,l - δl,i xk,j;
  B[yi,j, yk,l] := CF[ε δj,k yi,l - ε δl,i yk,j];
  B[xi,j, yl,k] := CF[δj,k xi,l - δl,i xk,j /. xα,β → If[α ≤ β, ε xα,β, yβ,α]];
);
```

```
In[*]:= SetAlgebra[gl2,ε];
$PBWRule
MatrixForm@Table[{b1, b2} → B[b1, b2], {b1, $Basis}, {b2, $Basis}]
```

Out[*]= {y_{1,2} → 1, x_{1,2} → 2, x_{2,2} → 3, x_{1,1} → 4}

Out[*]//MatrixForm=

$$\begin{pmatrix} \{y_{1,2}, y_{1,2}\} \rightarrow 0 & \{y_{1,2}, x_{1,2}\} \rightarrow -\epsilon x_{1,1} + \epsilon x_{2,2} & \{y_{1,2}, x_{2,2}\} \rightarrow -y_{1,2} & \{y_{1,2}, x_{1,1}\} \rightarrow y_{1,2} \\ \{x_{1,2}, y_{1,2}\} \rightarrow \epsilon x_{1,1} - \epsilon x_{2,2} & \{x_{1,2}, x_{1,2}\} \rightarrow 0 & \{x_{1,2}, x_{2,2}\} \rightarrow x_{1,2} & \{x_{1,2}, x_{1,1}\} \rightarrow -x_{1,2} \\ \{x_{2,2}, y_{1,2}\} \rightarrow y_{1,2} & \{x_{2,2}, x_{1,2}\} \rightarrow -x_{1,2} & \{x_{2,2}, x_{2,2}\} \rightarrow 0 & \{x_{2,2}, x_{1,1}\} \rightarrow 0 \\ \{x_{1,1}, y_{1,2}\} \rightarrow -y_{1,2} & \{x_{1,1}, x_{1,2}\} \rightarrow x_{1,2} & \{x_{1,1}, x_{2,2}\} \rightarrow 0 & \{x_{1,1}, x_{1,1}\} \rightarrow 0 \end{pmatrix}$$

```
In[*]:= adPower[x_, k_, Env_] [c_ * y_] /; MemberQ[$Basis, y] := CF[c adPower[x, k, Env] [y]];
adPower[x_, k_, Env_] [y_Plus] := adPower[x, k, Env] /@ y;
adPower[_ , 0, Env_] [y_] := y;
adPower[x_, k_, Env_] [0] = 0;
adPower[x_, k_, Env_] [y_] /; MemberQ[$Basis, y] :=
  adPower[x, k, Env] [y] = B[adPower[x, k - 1, Env] [y], x];
adPower[x_, k_] [y_] := adPower[x, k, {$Algebra, $k}] [y];
```

```
In[*]:= x0 = ($Basis /. {x → ξ0, y → η0}).$Basis
x1 = ($Basis /. {x → ξ1, y → η1}).$Basis
```

Out[*]= y_{1,2} η_{0,2} + x_{1,1} ξ_{0,1} + x_{1,2} ξ_{0,2} + x_{2,2} ξ_{0,2}

Out[*]= y_{1,2} η_{1,2} + x_{1,1} ξ_{1,1} + x_{1,2} ξ_{1,2} + x_{2,2} ξ_{1,2}

```
In[*]:= adExp[X_][Y_] /; SSQ[X] := Expand@Module[{A, b, c},
  A = Table[Coefficient[B[b, X], c], {c, $Basis}, {b, $Basis}];
  CF[$Basis.Normal[Series[MatrixExp[A], {ϵ, 0, $k}]]].
  Table[Coefficient[Y, b], {b, $Basis}]
]
```

```
In[*]:= SSQ[ξ0,1 x1,1]
```

```
Out[*]=
True
```

```
In[*]:= adExp[ξ0,1 x1,1][x1]
```

```
Out[*]=
eξ0,1 y1,2 η1,2 + x1,1 ξ1,1 + e-ξ0,1 x1,2 ξ1,2 + x2,2 ξ1,2
```

```
In[*]:= adExp[a_][b_] /; NilQ[a] := Expand@Module[{k = 0, s = 0},
  While[adPower[a, k][b] != 0,
    s += adPower[a, k][b] / k!;
    ++k
  ];
  s
]
```

```
In[*]:= adExp[ξ0,2 x1,2][x1]
```

```
Out[*]=
y1,2 η1,2 - ϵ x1,1 η1,2 ξ0,2 + ϵ x2,2 η1,2 ξ0,2 - ϵ x1,2 η1,2 ξ0,22 +
x1,1 ξ1,1 + x1,2 ξ0,2 ξ1,1 + x1,2 ξ1,2 + x2,2 ξ1,2 - x1,2 ξ0,2 ξ1,2
```

```
In[*]:= λTangent[] = 0;
λTangent[xs___, x_] := adExp[x][λTangent[xs]] + ∂λx;
λTangent[xs_List] := λTangent@@xs
```

```
In[*]:= $Basis ($Basis /. {x → ξ, y → η})
```

```
Out[*]=
{y1,2 η1,2, x1,1 ξ1,1, x1,2 ξ1,2, x2,2 ξ2,2}
```

```
In[*]:= λTangent@(λ $Basis ($Basis /. {x → ξ, y → η}))
```

```
Out[*]=
eλ ξ1,1 - λ ξ2,2 y1,2 η1,2 + x1,1 ξ1,1 + eλ ξ2,2 x1,2 ξ1,2 - eλ ξ1,1 ϵ λ x1,1 η1,2 ξ1,2 +
eλ ξ1,1 ϵ λ x2,2 η1,2 ξ1,2 + eλ ξ2,2 λ x1,2 ξ1,1 ξ1,2 - eλ ξ1,1 + λ ξ2,2 ϵ λ2 x1,2 η1,2 ξ1,22 + x2,2 ξ2,2
```

```
In[*]:= $Basis
```

```
Out[*]=
{y1,2, x1,1, x1,2, x2,2}
```

In[*]:= lhs = λ Tangent [

Join [λ \$Basis (\$Basis /. {x \rightarrow ξ_1 , y \rightarrow η_1 }), λ \$Basis (\$Basis /. {x \rightarrow ξ_2 , y \rightarrow η_2 })]

Out[*]=

$$\begin{aligned} & e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} y_{1,2} \eta_{1,2} + e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} y_{1,2} \eta_{2,2} + x_{1,1} \xi_{1,1} - \\ & e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda y_{1,2} \eta_{2,2} \xi_{1,1} + e^{\lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,2}} x_{1,2} \xi_{1,2} - e^{\lambda \xi_{1,1}} \in \lambda x_{1,1} \eta_{1,2} \xi_{1,2} + \\ & e^{\lambda \xi_{1,1}} \in \lambda x_{2,2} \eta_{1,2} \xi_{1,2} + e^{\lambda \xi_{1,2}} \in \lambda x_{1,1} \eta_{2,2} \xi_{1,2} - e^{\lambda \xi_{1,2}} \in \lambda x_{2,2} \eta_{2,2} \xi_{1,2} + \\ & 2 e^{\lambda \xi_{1,1} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 y_{1,2} \eta_{1,2} \eta_{2,2} \xi_{1,2} - e^{\lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 y_{1,2} \eta_{2,2}^2 \xi_{1,2} + \\ & e^{\lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,2}} \lambda x_{1,2} \xi_{1,1} \xi_{1,2} + e^{\lambda \xi_{1,2}} \in \lambda^2 x_{1,1} \eta_{2,2} \xi_{1,1} \xi_{1,2} - e^{\lambda \xi_{1,2}} \in \lambda^2 x_{2,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} - \\ & e^{\lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 y_{1,2} \eta_{2,2}^2 \xi_{1,1} \xi_{1,2} - e^{\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,2}} \in \lambda^2 x_{1,2} \eta_{1,2} \xi_{1,2}^2 + x_{2,2} \xi_{1,2}^2 + \\ & e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda y_{1,2} \eta_{2,2} \xi_{1,2} + x_{1,1} \xi_{2,1} + e^{\lambda \xi_{2,2}} x_{1,2} \xi_{2,2} - e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1}} \in \lambda x_{1,1} \eta_{1,2} \xi_{2,2} + \\ & e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1}} \in \lambda x_{2,2} \eta_{1,2} \xi_{2,2} - e^{\lambda \xi_{2,1}} \in \lambda x_{1,1} \eta_{2,2} \xi_{2,2} + e^{\lambda \xi_{2,1}} \in \lambda x_{2,2} \eta_{2,2} \xi_{2,2} + \\ & e^{\lambda \xi_{2,2}} \lambda x_{1,2} \xi_{1,1} \xi_{2,2} + e^{\lambda \xi_{2,1}} \in \lambda^2 x_{1,1} \eta_{2,2} \xi_{1,1} \xi_{2,2} - e^{\lambda \xi_{2,1}} \in \lambda^2 x_{2,2} \eta_{2,2} \xi_{1,1} \xi_{2,2} - \\ & 2 e^{\lambda \xi_{1,1} + \lambda \xi_{2,2}} \in \lambda^2 x_{1,2} \eta_{1,2} \xi_{1,2} \xi_{2,2} + 2 e^{\lambda \xi_{1,2} + \lambda \xi_{2,2}} \in \lambda^2 x_{1,2} \eta_{2,2} \xi_{1,2} \xi_{2,2} + \\ & 2 e^{\lambda \xi_{1,2} + \lambda \xi_{2,2}} \in \lambda^3 x_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2} - e^{\lambda \xi_{2,2}} \lambda x_{1,2} \xi_{1,2} \xi_{2,2} - \\ & e^{\lambda \xi_{2,1}} \in \lambda^2 x_{1,1} \eta_{2,2} \xi_{1,2} \xi_{2,2} + e^{\lambda \xi_{2,1}} \in \lambda^2 x_{2,2} \eta_{2,2} \xi_{1,2} \xi_{2,2} + e^{\lambda \xi_{2,2}} \lambda x_{1,2} \xi_{2,1} \xi_{2,2} - \\ & e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} + \lambda \xi_{2,2}} \in \lambda^2 x_{1,2} \eta_{1,2} \xi_{2,2}^2 - e^{\lambda \xi_{2,1} + \lambda \xi_{2,2}} \in \lambda^2 x_{1,2} \eta_{2,2} \xi_{2,2}^2 + \\ & e^{\lambda \xi_{2,1} + \lambda \xi_{2,2}} \in \lambda^3 x_{1,2} \eta_{2,2} \xi_{1,1} \xi_{2,2}^2 - e^{\lambda \xi_{2,1} + \lambda \xi_{2,2}} \in \lambda^3 x_{1,2} \eta_{2,2} \xi_{1,2} \xi_{2,2}^2 + x_{2,2} \xi_{2,2} \end{aligned}$$

In[*]:= rhs = λ Tangent@(\$Basis (\$Basis /. {x _{α} , x _{β} \rightarrow CF[f _{α} , α][λ], x _{$\alpha\beta$} \rightarrow f _{$\alpha\beta$} [λ], y _{$\alpha\beta$} \rightarrow g _{$\alpha\beta$} [λ]))

Out[*]=

$$\begin{aligned} & x_{1,1} f_{1,1}'[\lambda] + e^{f_{2,2}[\lambda]} x_{1,2} f_{1,2}[\lambda] f_{1,1}'[\lambda] + e^{f_{2,2}[\lambda]} x_{1,2} f_{1,2}'[\lambda] + \\ & x_{2,2} f_{2,2}'[\lambda] + e^{f_{1,1}[\lambda] - f_{2,2}[\lambda]} y_{1,2} g_{1,2}'[\lambda] - e^{f_{1,1}[\lambda]} \in x_{1,1} f_{1,2}[\lambda] g_{1,2}'[\lambda] + \\ & e^{f_{1,1}[\lambda]} \in x_{2,2} f_{1,2}[\lambda] g_{1,2}'[\lambda] - e^{f_{1,1}[\lambda] + f_{2,2}[\lambda]} \in x_{1,2} f_{1,2}[\lambda]^2 g_{1,2}'[\lambda] \end{aligned}$$

In[*]:= SSBasis = Select[\$Basis, SSQ]

Out[*]=

$$\{x_{1,1}, x_{2,2}\}$$

In[*]:= eqns = Simplify[(Coefficient[lhs - rhs, #] == 0) & /@ \$Basis]

Out[*]=

$$\begin{aligned} & \{e^{\lambda (\xi_{1,1} - \xi_{1,2} + \xi_{2,1} - \xi_{2,2})} \eta_{1,2} (1 + 2 e^{\lambda \xi_{1,2}} \in \lambda^2 \eta_{2,2} \xi_{1,2}) = \\ & e^{\lambda (\xi_{1,2} + \xi_{2,1} - \xi_{2,2})} \in \lambda^2 \eta_{2,2}^2 (1 + \lambda \xi_{1,1}) \xi_{1,2} + \\ & e^{\lambda (\xi_{2,1} - \xi_{2,2})} \eta_{2,2} (-1 + \lambda \xi_{1,1} - \lambda \xi_{1,2}) + e^{f_{1,1}[\lambda] - f_{2,2}[\lambda]} g_{1,2}'[\lambda], \\ & \xi_{2,1} + \xi_{1,1} (1 + \in \lambda^2 \eta_{2,2} (e^{\lambda \xi_{1,2}} \xi_{1,2} + e^{\lambda \xi_{2,1}} \xi_{2,2})) + e^{f_{1,1}[\lambda]} \in f_{1,2}[\lambda] g_{1,2}'[\lambda] = \\ & e^{\lambda (\xi_{1,1} - \xi_{1,2})} \in \lambda \eta_{1,2} (e^{\lambda \xi_{1,2}} \xi_{1,2} + e^{\lambda \xi_{2,1}} \xi_{2,2}) + \\ & \in \lambda \eta_{2,2} (-e^{\lambda \xi_{1,2}} \xi_{1,2} + e^{\lambda \xi_{2,1}} (1 + \lambda \xi_{1,2}) \xi_{2,2}) + f_{1,1}'[\lambda], \\ & e^{-\lambda (\xi_{1,2} + \xi_{2,1})} (-e^{\lambda (\xi_{1,1} + 2 \xi_{1,2} + \xi_{2,2})} \in \lambda^2 \eta_{1,2} \xi_{1,2}^2 + e^{\lambda (\xi_{1,2} + \xi_{2,2})} \xi_{1,2} (-2 e^{\lambda (\xi_{1,1} + \xi_{2,1})} \in \lambda^2 \eta_{1,2} \\ & \xi_{2,2} + e^{\lambda \xi_{1,2}} (1 + 2 e^{\lambda \xi_{2,1}} \in \lambda^2 \eta_{2,2} \xi_{2,2}) + e^{\lambda \xi_{1,2}} \lambda \xi_{1,1} (1 + 2 e^{\lambda \xi_{2,1}} \in \lambda^2 \eta_{2,2} \xi_{2,2})) - \\ & e^{\lambda \xi_{2,1}} (e^{\lambda (\xi_{1,2} + \xi_{2,2})} (-1 - \lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1}) \xi_{2,2} + \\ & e^{\lambda (\xi_{2,1} + \xi_{2,2})} \in \lambda^2 (e^{\lambda \xi_{1,1}} \eta_{1,2} + e^{\lambda \xi_{1,2}} \eta_{2,2} (1 - \lambda \xi_{1,1} + \lambda \xi_{1,2})) \xi_{2,2}^2 + \\ & e^{\lambda \xi_{1,2} + f_{2,2}[\lambda]} (f_{1,2}[\lambda] f_{1,1}'[\lambda] + f_{1,2}'[\lambda] - e^{f_{1,1}[\lambda]} \in f_{1,2}[\lambda]^2 g_{1,2}'[\lambda])) = 0, \\ & \xi_{1,2} + \in \lambda \eta_{1,2} (e^{\lambda \xi_{1,1}} \xi_{1,2} + e^{\lambda (\xi_{1,1} - \xi_{1,2} + \xi_{2,1})} \xi_{2,2}) + \xi_{2,2} = \\ & \in \lambda \eta_{2,2} (e^{\lambda \xi_{1,2}} (1 + \lambda \xi_{1,1}) \xi_{1,2} + e^{\lambda \xi_{2,1}} (-1 + \lambda \xi_{1,1} - \lambda \xi_{1,2}) \xi_{2,2}) + \\ & f_{2,2}'[\lambda] + e^{f_{1,1}[\lambda]} \in f_{1,2}[\lambda] g_{1,2}'[\lambda] \} \end{aligned}$$

```

In[*]:= Length@eqns
Out[*]=
4

In[*]:= unknowns = $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]}
Out[*]=
{g1,2[λ], f1,1[λ], f1,2[λ], f2,2[λ]}

In[*]:= $Basis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
Out[*]=
{g1,2[0] == 0, f1,1[0] == 0, f1,2[0] == 0, f2,2[0] == 0}

In[*]:= {sol0} = Block[{ $k = 0}, Simplify@DSolve[
  lhs = λTangent[
    Join[λ $Basis ($Basis /. {x → ξ1, y → η1}), λ $Basis ($Basis /. {x → ξ2, y → η2})]
  ];
  rhs = λTangent@($Basis ($Basis /. {xα,α ⇒ CF[fα,α[λ]], xαβ → fαβ[λ], yαβ → gαβ[λ]}));
  Join[
    (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
    $Basis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
  ],
  $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]},
  λ
]]
Out[*]=
{{f1,1[λ] → λ (ξ1,1 + ξ2,1), f2,2[λ] → λ (ξ1,2 + ξ2,2),
  f1,2[λ] → e-λ ξ2,1 λ ξ1,2 + e-λ ξ1,2 λ ξ2,2, g1,2[λ] → λ (η1,2 + eλ (-ξ1,1 + ξ1,2) η2,2)}}
```

```

In[*]:= {sol1} = Block[{ $k = 1}, Simplify@DSolve[
  lhs = λTangent[
    Join[λ $Basis ($Basis /. {x → ξ1, y → η1}), λ $Basis ($Basis /. {x → ξ2, y → η2})]
  ];
  rhs = λTangent[
    $Basis ($Basis /. {xα,α ⇒ CF[fα,α[λ]], xαβ → fαβ[λ], yαβ → gαβ[λ]}) /.
    (sol0 /. ((a → b) ⇒ (a → e a + b)))
  ];
  Join[
    (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
    $Basis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
  ],
  $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]},
  λ
]]
Out[*]=
{{f1,1[λ] → eλ ξ1,2 λ2 η1,2 ξ1,2, f2,2[λ] → -eλ ξ1,2 λ2 η1,2 ξ1,2,
  f1,2[λ] → λ3 η1,2 ξ1,2 ξ2,2, g1,2[λ] → -e-λ ξ1,1 + 2 λ ξ1,2 λ3 η1,22 ξ1,2}}
```

```
In[*]:= TriangularDSolve[eqns_, funs_, iv_] := Module[{sol = {}, e, fun, der},
  MapThread[
    {e, fun} \[Mapsto] sol = Echo@Join[sol,
      MapAt[CF, First@DSolve[Echo@CF[e /. Derivative[1][f_][v_] \[Rrightarrow] der[f[v], v] /. sol /.
        der[f_, v_] \[Rrightarrow] \[D]_v f], fun, iv], {1, 2}]
    ],
  {eqns, funs}
];
sol
]
```

```
In[*]:= SetAlgebra[gl3,ε];
$k = 1
$PBWRule
MatrixForm@Table[{b1, b2} \[Rrightarrow] B[b1, b2], {b1, $Basis}, {b2, $Basis}]
```

Out[*]=

1

Out[*]=

{y_{2,3} \[Rrightarrow] 1, y_{1,2} \[Rrightarrow] 2, y_{1,3} \[Rrightarrow] 3, x_{1,3} \[Rrightarrow] 4, x_{2,3} \[Rrightarrow] 5, x_{1,2} \[Rrightarrow] 6, x_{3,3} \[Rrightarrow] 7, x_{2,2} \[Rrightarrow] 8, x_{1,1} \[Rrightarrow] 9}

Out[*]//MatrixForm=

$$\left(\begin{array}{cccc} \{y_{2,3}, y_{2,3}\} \rightarrow 0 & \{y_{2,3}, y_{1,2}\} \rightarrow -\epsilon y_{1,3} & \{y_{2,3}, y_{1,3}\} \rightarrow 0 & \{y_{2,3}, x_{1,3}\} \rightarrow 0 \\ \{y_{1,2}, y_{2,3}\} \rightarrow \epsilon y_{1,3} & \{y_{1,2}, y_{1,2}\} \rightarrow 0 & \{y_{1,2}, y_{1,3}\} \rightarrow 0 & \{y_{1,2}, x_{1,3}\} \rightarrow 0 \\ \{y_{1,3}, y_{2,3}\} \rightarrow 0 & \{y_{1,3}, y_{1,2}\} \rightarrow 0 & \{y_{1,3}, y_{1,3}\} \rightarrow 0 & \{y_{1,3}, x_{1,3}\} \rightarrow -\epsilon \\ \{x_{1,3}, y_{2,3}\} \rightarrow \epsilon x_{1,2} & \{x_{1,3}, y_{1,2}\} \rightarrow -\epsilon x_{2,3} & \{x_{1,3}, y_{1,3}\} \rightarrow \epsilon x_{1,1} - \epsilon x_{3,3} & \{x_{1,3}, x_{1,3}\} \rightarrow 0 \\ \{x_{2,3}, y_{2,3}\} \rightarrow \epsilon x_{2,2} - \epsilon x_{3,3} & \{x_{2,3}, y_{1,2}\} \rightarrow 0 & \{x_{2,3}, y_{1,3}\} \rightarrow y_{1,2} & \{x_{2,3}, x_{1,3}\} \rightarrow 0 \\ \{x_{1,2}, y_{2,3}\} \rightarrow 0 & \{x_{1,2}, y_{1,2}\} \rightarrow \epsilon x_{1,1} - \epsilon x_{2,2} & \{x_{1,2}, y_{1,3}\} \rightarrow -y_{2,3} & \{x_{1,2}, x_{1,3}\} \rightarrow 0 \\ \{x_{3,3}, y_{2,3}\} \rightarrow y_{2,3} & \{x_{3,3}, y_{1,2}\} \rightarrow 0 & \{x_{3,3}, y_{1,3}\} \rightarrow y_{1,3} & \{x_{3,3}, x_{1,3}\} \rightarrow 0 \\ \{x_{2,2}, y_{2,3}\} \rightarrow -y_{2,3} & \{x_{2,2}, y_{1,2}\} \rightarrow y_{1,2} & \{x_{2,2}, y_{1,3}\} \rightarrow 0 & \{x_{2,2}, x_{1,3}\} \rightarrow 0 \\ \{x_{1,1}, y_{2,3}\} \rightarrow 0 & \{x_{1,1}, y_{1,2}\} \rightarrow -y_{1,2} & \{x_{1,1}, y_{1,3}\} \rightarrow -y_{1,3} & \{x_{1,1}, x_{1,3}\} \rightarrow 0 \end{array} \right)$$

```

In[*]:= $k = 0;
{sol0} = Simplify@DSolve[
  lhs = λTangent[
    Join[λ$Basis ($Basis /. {x → ξ1, y → η1}), λ$Basis ($Basis /. {x → ξ2, y → η2})]
  ];
  rhs = λTangent@($Basis ($Basis /. {xα, αα ⇒ CF[fα,α[λ]], xαβ ⇒ fαβ[λ], yαβ ⇒ gαβ[λ]}));
  Join[
    (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
    $Basis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
  ],
  $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]},
  λ
]

Out[*]=
{{f1,1[λ] → λ (ξ1,1 + ξ2,1), f2,2[λ] → λ (ξ1,2 + ξ2,2), f1,2[λ] → λ (ξ1,2 + eλ (ξ1,1 - ξ1,2) ξ2,2),
f3,3[λ] → λ (ξ1,3 + ξ2,3), f1,3[λ] → e-λ ξ1,3 λ (eλ ξ1,3 ξ1,3 + eλ ξ1,1 ξ2,3 + eλ ξ1,2 λ ξ1,2 ξ2,3),
f2,3[λ] → λ (ξ1,3 + eλ (ξ1,2 - ξ1,3) ξ2,3),
g1,2[λ] → e-λ ξ1,1 λ (eλ ξ1,1 η1,2 + eλ ξ1,2 η2,2 + eλ ξ1,3 λ η2,3 ξ1,2),
g1,3[λ] → λ (η1,3 + eλ (-ξ1,1 + ξ1,3) η2,3),
g2,3[λ] → λ (η1,3 + eλ ξ1,3 (e-λ ξ1,2 η2,3 - e-λ ξ1,1 λ η2,3 ξ1,2))}}

In[*]:= sol0 = Simplify[sol0 /. {η1,2 → 0, η1,1 → 0, η1,3 → 0, ξ1,3 → 0, ξ1,2 → 0, ξ1,2 → 0, ξ1,1 → 0}]
Out[*]=
{f1,1[λ] → λ ξ2,1, f2,2[λ] → λ ξ2,2, f1,2[λ] → λ (ξ1,2 + ξ2,2),
f3,3[λ] → λ (ξ1,3 + ξ2,3), f1,3[λ] → e-λ ξ1,3 λ (ξ2,3 + λ ξ1,2 ξ2,3), f2,3[λ] → e-λ ξ1,3 λ ξ2,3,
g1,2[λ] → λ η2,2, g1,3[λ] → eλ ξ1,3 λ η2,3, g2,3[λ] → eλ ξ1,3 λ (η2,3 - λ η2,3 ξ1,2) }

TBasis = Complement[$Basis,]

In[*]:= $k = 1; SBasis = Reverse@$Basis;
lhs = λTangent[
  Join[λ$Basis ($Basis /. {x → ξ1, y → η1}), λ$Basis ($Basis /. {x → ξ2, y → η2})]
] /. {η1,2 → 0, η1,1 → 0, η1,3 → 0, ξ1,3 → 0, ξ1,2 → 0, ξ1,2 → 0, ξ1,1 → 0};
rhs = λTangent[
  $Basis ($Basis /. {xα, αα ⇒ CF[fα,α[λ]], xαβ ⇒ fαβ[λ], yαβ ⇒ gαβ[λ]}) /.
  (sol0 /. ((a → b) ⇒ (a → e a + b)))
] /. {η1,2 → 0, η1,1 → 0, η1,3 → 0, ξ1,3 → 0, ξ1,2 → 0, ξ1,2 → 0, ξ1,1 → 0};
eqns = Transpose@{
  (Coefficient[CF[lhs - rhs], #] == 0) & /@ SBasis,
  SBasis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
};
unknowns = SBasis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]};
(*{sol1}=DSolve[Flatten@eqns, unknowns, λ] *)
sol1 = TriangularDSolve[eqns, unknowns, λ];
» {2 ∈ λ η2,2 ξ1,2 - ∈ f1,1'[λ] == 0, f1,1[0] == 0}
» {f1,1[λ] → λ2 η2,2 ξ1,2}

```

- » $\{-2 \in \lambda \eta_{2,2} \xi_{1,2} - \in f_{2,2}'[\lambda] = 0, f_{2,2}[0] = 0\}$
- » $\{f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,2} \xi_{1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,2} \xi_{1,2}\}$
- » $\{-\in f_{3,3}'[\lambda] = 0, f_{3,3}[0] = 0\}$
- » $\{f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,2} \xi_{1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,2} \xi_{1,2}, f_{3,3}[\lambda] \rightarrow 0\}$
- » $\{3 e^{-\lambda \xi_{2,1,1} + \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{2,2} \xi_{1,2}^2 + 6 e^{-\lambda \xi_{2,1,1} + \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{2,2} \xi_{1,2} \xi_{2,1,2} - e^{-\lambda \xi_{2,1,1} + \lambda \xi_{2,2,2}} \in f_{1,2}'[\lambda] = 0, f_{1,2}[0] = 0\}$
- » $\{f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,2} \xi_{1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,2} \xi_{1,2},$
 $f_{3,3}[\lambda] \rightarrow 0, f_{1,2}[\lambda] \rightarrow \lambda^3 \eta_{2,2} \xi_{1,2}^2 + 2 \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,2}\}$
- » $\{-3 e^{-\lambda \xi_{2,2,2} + \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,2} \xi_{1,2} \xi_{2,2,3} +$
 $e^{-\lambda \xi_{2,2,2} + \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{1,3,3} \xi_{2,2,3} - e^{-\lambda \xi_{1,3,3} - \lambda \xi_{2,2,2} + \lambda \xi_{2,3,3}} \in f_{2,3}'[\lambda] = 0, f_{2,3}[0] = 0\}$
- » $\{f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,2} \xi_{1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,2} \xi_{1,2}, f_{3,3}[\lambda] \rightarrow 0,$
 $f_{1,2}[\lambda] \rightarrow \lambda^3 \eta_{2,2} \xi_{1,2}^2 + 2 \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,2}, f_{2,3}[\lambda] \rightarrow -e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,2,3}\}$
- » $\{3 e^{-\lambda \xi_{2,1,1} + \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,2} \xi_{1,2} \xi_{2,1,3} -$
 $e^{-\lambda \xi_{2,1,1} + \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{1,3,3} \xi_{2,1,3} - e^{-\lambda \xi_{1,3,3} - \lambda \xi_{2,1,1} + \lambda \xi_{2,3,3}} \in f_{1,3}'[\lambda] = 0, f_{1,3}[0] = 0\}$
- » $\{f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,2} \xi_{1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,2} \xi_{1,2},$
 $f_{3,3}[\lambda] \rightarrow 0, f_{1,2}[\lambda] \rightarrow \lambda^3 \eta_{2,2} \xi_{1,2}^2 + 2 \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,2},$
 $f_{2,3}[\lambda] \rightarrow -e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,2,3}, f_{1,3}[\lambda] \rightarrow e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,3}\}$
- » $\{-4 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,2} \eta_{2,1,3} \xi_{1,2} -$
 $2 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,2} \eta_{2,1,3} \xi_{1,2} \xi_{1,3,3} - e^{-\lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,3,3}} \in g_{1,3}'[\lambda] = 0, g_{1,3}[0] = 0\}$
- » $\{f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,2} \xi_{1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,2} \xi_{1,2}, f_{3,3}[\lambda] \rightarrow 0,$
 $f_{1,2}[\lambda] \rightarrow \lambda^3 \eta_{2,2} \xi_{1,2}^2 + 2 \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,2}, f_{2,3}[\lambda] \rightarrow -e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,2,3},$
 $f_{1,3}[\lambda] \rightarrow e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,3}, g_{1,3}[\lambda] \rightarrow -2 e^{\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,1,3} \xi_{1,2} - \frac{4 \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}^3} +$
 $\frac{4 e^{\lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}^3} - \frac{4 e^{\lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}^2} + \frac{2 e^{\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}}\}$
- » $\{-3 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{2,2}^2 \xi_{1,2} - e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in g_{1,2}'[\lambda] = 0, g_{1,2}[0] = 0\}$
- » $\{f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,2} \xi_{1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,2} \xi_{1,2},$
 $f_{3,3}[\lambda] \rightarrow 0, f_{1,2}[\lambda] \rightarrow \lambda^3 \eta_{2,2} \xi_{1,2}^2 + 2 \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,2},$
 $f_{2,3}[\lambda] \rightarrow -e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,2,3}, f_{1,3}[\lambda] \rightarrow e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,1,3},$
 $g_{1,3}[\lambda] \rightarrow -2 e^{\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,1,3} \xi_{1,2} - \frac{4 \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}^3} + \frac{4 e^{\lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}^3} -$
 $\frac{4 e^{\lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}^2} + \frac{2 e^{\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,1,3} \xi_{1,2}}{\xi_{1,3,3}}, g_{1,2}[\lambda] \rightarrow -\lambda^3 \eta_{2,2}^2 \xi_{1,2}\}$
- » $\{2 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,2} \eta_{2,2,3} \xi_{1,2} +$
 $2 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,2} \eta_{2,2,3} \xi_{1,2} \xi_{1,3,3} - e^{-\lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in g_{2,3}'[\lambda] = 0, g_{2,3}[0] = 0\}$

$$\begin{aligned} & \gg \left\{ \begin{aligned} & f_{1,1}[\lambda] \rightarrow \lambda^2 \eta_{2,1,2} \xi_{1,1,2}, f_{2,2}[\lambda] \rightarrow -\lambda^2 \eta_{2,1,2} \xi_{1,1,2}, f_{3,3}[\lambda] \rightarrow 0, \\ & f_{1,2}[\lambda] \rightarrow \lambda^3 \eta_{2,1,2} \xi_{1,1,2}^2 + 2 \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2}, f_{2,3}[\lambda] \rightarrow -e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,2,3}, \\ & f_{1,3}[\lambda] \rightarrow e^{-\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,3}, g_{1,3}[\lambda] \rightarrow -2 e^{\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} - \frac{4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}}{\xi_{1,3,3}^3} + \\ & \frac{4 e^{\lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}}{\xi_{1,3,3}^3} - \frac{4 e^{\lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}}{\xi_{1,3,3}^2} + \frac{2 e^{\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}}{\xi_{1,3,3}}, \\ & g_{1,2}[\lambda] \rightarrow -\lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2}, g_{2,3}[\lambda] \rightarrow 2 e^{\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} + \frac{8 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2}}{\xi_{1,3,3}^3} - \\ & \frac{8 e^{\lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2}}{\xi_{1,3,3}^3} + \frac{8 e^{\lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2}}{\xi_{1,3,3}^2} - \frac{4 e^{\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2}}{\xi_{1,3,3}} \end{aligned} \right\} \end{aligned}$$

```
In[ ]:= SetAlgebra[gl3,ε];
```

```
$k = 1
```

```
$PBWRule
```

```
MatrixForm@Table[{b1, b2} → B[b1, b2], {b1, $Basis}, {b2, $Basis}]
```

```
Out[ ]:=
```

```
1
```

```
Out[ ]:=
```

```
{y2,3 → 1, y1,2 → 2, y1,3 → 3, x1,3 → 4, x2,3 → 5, x1,2 → 6, x3,3 → 7, x2,2 → 8, x1,1 → 9}
```

```
Out[ ]//MatrixForm=
```

$$\left(\begin{array}{cccc} \{y_{2,3}, y_{2,3}\} \rightarrow 0 & \{y_{2,3}, y_{1,2}\} \rightarrow -\epsilon y_{1,3} & \{y_{2,3}, y_{1,3}\} \rightarrow 0 & \{y_{2,3}, x_{1,3}\} \cdot \\ \{y_{1,2}, y_{2,3}\} \rightarrow \epsilon y_{1,3} & \{y_{1,2}, y_{1,2}\} \rightarrow 0 & \{y_{1,2}, y_{1,3}\} \rightarrow 0 & \{y_{1,2}, x_{1,3}\} \\ \{y_{1,3}, y_{2,3}\} \rightarrow 0 & \{y_{1,3}, y_{1,2}\} \rightarrow 0 & \{y_{1,3}, y_{1,3}\} \rightarrow 0 & \{y_{1,3}, x_{1,3}\} \rightarrow -\epsilon \\ \{x_{1,3}, y_{2,3}\} \rightarrow \epsilon x_{1,2} & \{x_{1,3}, y_{1,2}\} \rightarrow -\epsilon x_{2,3} & \{x_{1,3}, y_{1,3}\} \rightarrow \epsilon x_{1,1} - \epsilon x_{3,3} & \{x_{1,3}, x_{1,3}\} \\ \{x_{2,3}, y_{2,3}\} \rightarrow \epsilon x_{2,2} - \epsilon x_{3,3} & \{x_{2,3}, y_{1,2}\} \rightarrow 0 & \{x_{2,3}, y_{1,3}\} \rightarrow y_{1,2} & \{x_{2,3}, x_{1,3}\} \\ \{x_{1,2}, y_{2,3}\} \rightarrow 0 & \{x_{1,2}, y_{1,2}\} \rightarrow \epsilon x_{1,1} - \epsilon x_{2,2} & \{x_{1,2}, y_{1,3}\} \rightarrow -y_{2,3} & \{x_{1,2}, x_{1,3}\} \\ \{x_{3,3}, y_{2,3}\} \rightarrow y_{2,3} & \{x_{3,3}, y_{1,2}\} \rightarrow 0 & \{x_{3,3}, y_{1,3}\} \rightarrow y_{1,3} & \{x_{3,3}, x_{1,3}\} \\ \{x_{2,2}, y_{2,3}\} \rightarrow -y_{2,3} & \{x_{2,2}, y_{1,2}\} \rightarrow y_{1,2} & \{x_{2,2}, y_{1,3}\} \rightarrow 0 & \{x_{2,2}, x_{1,3}\} \\ \{x_{1,1}, y_{2,3}\} \rightarrow 0 & \{x_{1,1}, y_{1,2}\} \rightarrow -y_{1,2} & \{x_{1,1}, y_{1,3}\} \rightarrow -y_{1,3} & \{x_{1,1}, x_{1,3}\} \end{array} \right)$$

```
In[ ]:= $Basis
```

```
Out[ ]:=
```

```
{y2,3, y1,2, y1,3, x1,3, x2,3, x1,2, x3,3, x2,2, x1,1}
```

```
In[ ]:= SortBy[$Basis, If[#[[1]] === x, {0, #[[3]] - #[[2]]}, {1, #[[2]] - #[[3]]}] &]
```

```
Out[ ]:=
```

```
{x1,1, x2,2, x3,3, x1,2, x2,3, x1,3, y1,3, y1,2, y2,3}
```

```

In[*]:= SBasis = SortBy[$Basis, If[#[[1]] === x, {0, #[[3]] - #[[2]]}, {1, #[[2]] - #[[3]]}] &];
sol[-1] = 0 SBasis;
Do[
  Block[{$k = k},
    s0 = Thread[SBasis → sol[k - 1]];
    lhs = λTangent[
      Join[λ$Basis ($Basis /. {x → ξ1, y → η1}), λ$Basis ($Basis /. {x → ξ2, y → η2})]
    ];
    rhs = λTangent[
      $Basis ($Basis /. {xαβ → (xαβ /. s0) + εk fαβ[λ], yαβ → (yαβ /. s0) + εk gαβ[λ]})
    ];
    Echo@"computed lhs and rhs";
    eqns = EchoLabel["eqns"]@Transpose@{
      (Coefficient[CF[lhs - rhs], #] == 0) & /@ SBasis,
      SBasis /. {xαβ → fαβ[0] == 0, yαβ → gαβ[0] == 0}
    };
    unknowns = SBasis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]};
    s = TriangularDSolve[eqns, unknowns, λ];
    sol[k] = CF@Together[sol[k - 1] + εk (SBasis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]} /. s)]
  ],
  {k, 0, $k}
];
sol[$k].SBasis
» computed lhs and rhs

```


$$\begin{aligned}
 & (12 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^{11}) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & (64 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^{11}) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
 & \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - (64 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^{11}) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
 & (4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^{11}) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
 & \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - (4768 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3,3}^{12}) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
 & (1280 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^{12}) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & (224 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^{12}) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
 & \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + (832 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,3,3}^{13}) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & (64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^{13}) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
 & \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - (64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,3,3}^{14}) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & 2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,2} \frac{e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \\
 & \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} - \frac{e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
 & \frac{e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} + \frac{e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,3,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
 & \frac{2 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})}
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
 & \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} - \\
 & \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \left. \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} \right\} \\
 \gg & \left\{ -3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2}^2 \xi_{1,1,2} + \right. \\
 & 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} - 3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} + \\
 & 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2} - \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2} - 2 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,3} + \\
 & e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} - \\
 & 2 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3} + 3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} + \\
 & 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} - \\
 & 4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,3} + \\
 & 2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,3} - \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \\
 & \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1,1} - \xi_{1,2,2}} + 2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} - \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} + \\
 & \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,1,1} + \xi_{1,2,2}} - \\
 & \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} - 2 e^{-\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}^2 + \\
 & e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3}^2 + \frac{4 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3}^2}{(\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
 & \frac{8 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} + \\
 & \frac{2 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3}^2}{\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} - \\
 & \frac{4 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,3,3})^3} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1} \xi_{1,2,3}^2}{(\xi_{1,1} - \xi_{1,3,3})^3} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1} - \xi_{1,3,3}} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}^2}{\xi_{1,1} - \xi_{1,3,3}} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3}}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3}}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
 & \frac{4 e^{\lambda \xi_{1,1} - 2\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,2,2} - \xi_{1,3,3})^3} - \\
 & \frac{4 e^{\lambda \xi_{1,1} - 2\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}^2}{\xi_{1,2,2} - \xi_{1,3,3}} - \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,3,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} - \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3} - \\
 & 2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3} -
 \end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^4} + \\
& \frac{2 \theta e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,3} \eta_{2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^2} + \\
& \frac{2 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,3}^2 \xi_{1,3}}{\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}}{(\xi_{1,1}-\xi_{1,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}-\xi_{1,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^2} - \\
& \gg \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,2}-\xi_{1,3})^3} - \\
& \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,1}+\xi_{1,3}} + \\
& \frac{3 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,1}+\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2,3} \eta_{2,3} \xi_{1,2,3}}{-\xi_{1,1}+\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,3})(-\xi_{1,1}+\xi_{1,3})} + \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,3})(-\xi_{1,1}+\xi_{1,3})} - \\
& \frac{3 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{-\xi_{1,1}+\xi_{1,3}} -
\end{aligned}$$

$$\begin{aligned}
 & \frac{2 e^{\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \\
 & \frac{4 e^{\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2,3}^2}{-\xi_{1,2,2} + \xi_{1,3,3}} - \\
 & \frac{4 e^{\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,3}^2}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} + \\
 & \frac{2 e^{\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2,3} \xi_{1,3,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
 \gg & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
 & \frac{3 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} - \\
 & \frac{3 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
 & \frac{8 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
 & \frac{8 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-2\lambda \xi_{1,2,2} + 2\lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{4 e^{-2\lambda \xi_{1,2,2} + 2\lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - 2 e^{\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{2,2,3} + \\
 & 3 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,2,3} + 4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,2,3} - \\
 & \frac{4 e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \\
 & \frac{4 e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,2,3}}{\xi_{1,1,1} - \xi_{1,2,2}} + \\
 & \frac{4 e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \\
 & \frac{4 e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,2,3}}{-\xi_{1,1,1} + \xi_{1,2,2}} - \\
 & \frac{4 e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,2,3} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} + \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,2,3}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,2,3}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \frac{4 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{2,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
 & \frac{4 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,3} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \frac{4 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,2,3}}{\xi_{1,1,1} - \xi_{1,3,3}} + \\
 & \frac{4 e^{\lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{2,2,3}}{\xi_{1,1,1} - \xi_{1,3,3}} - \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{20 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,2,3}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
 & \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} - \\
 & \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,2,3}}{\xi_{1,2,2} - \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
 & \frac{20 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} + \\
 \gg & \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} - \\
 & \frac{4 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \frac{4 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} + \\
 & \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}^2 \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}^2 \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{-\xi_{1,1} + \xi_{1,3}} + \frac{3 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{-\xi_{1,1} + \xi_{1,3}} + \\
 & \frac{4 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{-\xi_{1,1} + \xi_{1,3}} + \frac{4 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} + \\
 & \frac{4 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} - \frac{3 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{-\xi_{1,1} + \xi_{1,3}} - \\
 & \frac{2 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{-\xi_{1,2} + \xi_{1,3}} - \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{-\xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{(\xi_{1,2} - \xi_{1,3}) (-\xi_{1,2} + \xi_{1,3})} + \frac{2 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,3} \xi_{2,3}}{-\xi_{1,2} + \xi_{1,3}} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 \gg & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} - \\
 & \frac{3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} +
 \end{aligned}$$

$$\frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} +$$

$$\frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} -$$

$$e^{\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + \lambda \xi_{2,1,1} - \lambda \xi_{2,2,2}} \in \mathbf{g}_{1,2}'[\lambda] = \mathbf{0}, \mathbf{g}_{1,2}[\mathbf{0}] = \mathbf{0}\}$$

» $\left\{ \begin{aligned} f_{1,1}[\lambda] &\rightarrow e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,2} + e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,3} \xi_{1,1,3}, \\ f_{2,2}[\lambda] &\rightarrow -e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,2} + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2,3} \xi_{1,2,3} - e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}, \\ f_{3,3}[\lambda] &\rightarrow -e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,3} \xi_{1,1,3} - e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2,3} \xi_{1,2,3} + e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}, \\ f_{1,2}[\lambda] &\rightarrow e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2}^2 + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2,3} \xi_{1,1,3} - e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} + \\ &e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,3} + 2 \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2} + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,1,2} - \\ &e^{\lambda \xi_{1,1,1} - 2 \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2} + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,1,2}, \\ f_{2,3}[\lambda] &\rightarrow -e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,3} + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3}^2 - e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}^2 - \\ &e^{-\lambda \xi_{1,1,1} + 2 \lambda \xi_{1,2,2} - \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,2,3} + e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,2,3} + \\ &2 \lambda^3 \eta_{2,2,3} \xi_{1,2,3} \xi_{2,2,3} - 2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,2,3}, \\ f_{1,3}[\lambda] &\rightarrow e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3}^2 + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3} \xi_{1,1,3} \xi_{1,2,3} - \\ &e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{1,2,3} + e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,3} + 2 \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,1,3} + \\ &e^{\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,3} - \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,1,3} + \lambda^3 \eta_{2,2,3} \xi_{1,1,3} \xi_{2,2,3} + \\ &e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3} + \lambda^4 \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,2,3} - e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^5 \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,3} \xi_{2,2,3}, \end{aligned} \right.$

$$g_{1,3}[\lambda] \rightarrow -e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3}^2 \xi_{1,1,3} + \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} -$$

$$\frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}}{-\xi_{1,1,1} + \xi_{1,2,2}} - \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} -$$

$$\frac{4 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} -$$

$$\frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} +$$

$$\frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} +$$

$$\frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} - (64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) /$$

$$\left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) +$$

$$(64 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right)$$

$$(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (4 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) /$$

$$\left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) -$$

$$(128 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right)$$

$$(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (64 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) /$$

$$\left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) +$$

$$(4 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right)$$

$$(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 + (32 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) /$$

$$\left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) -$$

$$(224 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right)$$

$$\begin{aligned}
 & \left((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3 \right) + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,2}}{-\xi_{1,1} + \xi_{1,3}} + \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,1,2}}{-\xi_{1,1} + \xi_{1,3}} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{-\xi_{1,1} + \xi_{1,3}} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,2}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} + \\
 \gg & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} - \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,3,3}}{-\xi_{1,1} + \xi_{1,3}} - \\
 & \frac{e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2,2}}{-\xi_{1,2} + \xi_{1,3}} - \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2,3}}{-\xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,3}}{(\xi_{1,2} - \xi_{1,3}) (-\xi_{1,2} + \xi_{1,3})} + \frac{e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,3,3}}{-\xi_{1,2} + \xi_{1,3}} + \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} - \\
 & \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})}, \\
 \gg & \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 g_{1,2}[\lambda] \rightarrow & - \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 \eta_{1,2} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{12 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{1,2,3} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2}^5 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{88 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 \gg & \frac{88 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{88 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{52 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{9 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^9 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^9 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 \gg & \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^9 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^9 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^9 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 \gg & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^5 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^5 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \gg \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{60 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{60 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{116 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{320 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{292 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{132 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,1,3} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{400 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{328 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{128 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{152 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{32 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 \eta_{2,1,2} \eta_{2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^8 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1} \xi_{1,3} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,3,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{200 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{184 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{560 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{560 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{20 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \gg \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{720 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{720 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{54 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{440 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{104 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{432 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{432 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^8 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^7 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^5 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{160 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{480 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{480 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{160 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 \gg & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{640 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{640 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,1} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{2,1} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 \eta_{1,2} \eta_{2,1} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,1} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{400 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,1} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{320 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{360 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{126 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 \eta_{2,1,2} \eta_{2,3} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{96 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{344 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 \gg & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{60 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{60 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{60 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{60 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{60 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{200 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{200 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{20 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{20 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{42 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{432 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{432 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{280 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{60 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{180 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{460 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{270 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2}^2 \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{44 \eta_{2,1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{356 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{124 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{9 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^4 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,2}^4 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,2}^4 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{180 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1} \xi_{1,3} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,3} \xi_{1,2,2} \xi_{1,3,3}^7 \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{32 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{32 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{32 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{248 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{84 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{2,3} \eta_{2,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{172 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{156 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,3} \xi_{1,3}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,3,3}^6}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{6 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,3,3}^6}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1}-\xi_{1,2,2})^4(\xi_{1,1,1}-\xi_{1,3,3})^4(\xi_{1,2,2}-\xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 \eta_{2,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{2,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{2,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{2,1,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{40 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \\
 & 80 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & 24 \frac{e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & 48 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & 48 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & 24 \frac{e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 52 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 42 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & 72 \frac{\eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \\
 & 120 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & 120 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & 48 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 22 \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 22 \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 24 \frac{\eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 16 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 16 \frac{e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & 32 \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{108 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{82 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 \gg & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{2,3} \eta_{2,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1,1} \xi_{1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 \gg & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \left. \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \right. \\
 & \left. \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \right. \\
 & \left. \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \right. \\
 & \left. \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \right\} \\
 & \gg \left\{ 2 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - 2 \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,2} + 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} + \right. \\
 & 2 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2 - 3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 - \\
 & 4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 - 3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,3} + \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,3} + 4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3}^2 \xi_{1,1,2} \xi_{1,1,3} - \\
 & 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,1,3} + \\
 & \left. \frac{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^3} + \right. \\
 & \left. \frac{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2}{\xi_{1,1,1} - \xi_{1,2,2}} - \right. \\
 & \left. \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,3} \xi_{1,2,2}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} + \right. \\
 & \left. \frac{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2}{-\xi_{1,1,1} + \xi_{1,2,2}} + \right. \\
 & \left. \frac{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} - 3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,2,3}^2 \xi_{1,2,3} + \right. \\
 & 2 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} + 7 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} - \\
 & 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} - \\
 & 5 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,2} \xi_{1,2,3} + \\
 & 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^5 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} + \\
 & 2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,2,3}^2 \xi_{1,2,2} \xi_{1,2,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} - \\
 & \left. \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \right. \\
 & \left. \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \right.
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{(\xi_{1,1} - \xi_{1,3,3})^3} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,3,3})^3} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2}{\xi_{1,1} - \xi_{1,3,3}} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1} - \xi_{1,3,3}} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{20 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2 \xi_{1,2,2}}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2}^2}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} - \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2}}{(2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2}}{2 \xi_{1,1} - \xi_{1,2,2} - \xi_{1,3,3}} + \\
 & \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,2,2} - \xi_{1,3,3}} + \\
 & 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,3,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,3} \xi_{1,3,3} + \\
 & 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,3,3} - \\
 & 2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,2,3}^2 \xi_{1,2,3} \xi_{1,3,3} + 4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3} - \\
 & 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^5 \eta_{2,1,3}^2 \xi_{1,1,2}^2 \xi_{1,2,3} \xi_{1,3,3} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2 \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2}{-\xi_{1,1,1} + \xi_{1,3,3}} - \frac{3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} + \\
 & \frac{3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \frac{2 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
 & \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} - \\
 & \frac{2 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,3,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} -
 \end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,3,3}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} + \\
& \frac{3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + 2 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{2,1,2} - \\
& \frac{3 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2} - 4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2} +}{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2} \xi_{2,1,2}} + \\
& \frac{(\xi_{1,1,1} - \xi_{1,2,2})^3}{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2}} - \\
& \frac{\xi_{1,1,1} - \xi_{1,2,2}}{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}} + \\
& \frac{(\xi_{1,1,1} - \xi_{1,2,2})^3}{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2}} + \\
& \frac{-\xi_{1,1,1} + \xi_{1,2,2}}{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2}} +
\end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} - e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
 \gg & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} - \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \\
 & \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}}{\xi_{1,1,1} - \xi_{1,3,3}} - \\
 & \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,1,1} - \xi_{1,3,3}} + \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{20 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
 & \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} + \\
 & \frac{4 e^{\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \\
 & \frac{4 e^{\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,2,2} - \xi_{1,3,3}} +
 \end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
& \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}^2 \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}^2 \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \frac{3 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} - \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} + \frac{3 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \\
& \frac{2 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2} \xi_{2,1,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} - \frac{2 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,3,3} \xi_{2,1,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} +
\end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} + \\
 & \frac{3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
 & \left. e^{\lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \mathfrak{g}_{2,3} [\lambda] = \mathbf{0}, \mathfrak{g}_{2,3} [\mathbf{0}] = \mathbf{0} \right\} \\
 & \gg \left\{ \begin{aligned}
 f_{1,1} [\lambda] & \rightarrow e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,2} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \xi_{1,1,3}, \\
 f_{2,2} [\lambda] & \rightarrow -e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,2} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2,3} \xi_{1,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}, \\
 f_{3,3} [\lambda] & \rightarrow -e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \xi_{1,1,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2,3} \xi_{1,2,3} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}, \\
 f_{1,2} [\lambda] & \rightarrow e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2}^2 + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2,3} \xi_{1,1,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} + \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,3} + 2 \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,1,2} - \\
 & e^{\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,1,2}, \\
 f_{2,3} [\lambda] & \rightarrow -e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,3} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3}^2 - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} - \\
 & e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,2,3} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,2,3} +
 \end{aligned} \right.
 \end{aligned}$$

$$\begin{aligned}
 & 2 \lambda^3 \eta_{2,3} \xi_{1,2,3} \xi_{2,2,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^4 \eta_{2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,2,3}, \\
 f_{1,3}[\lambda] \rightarrow & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3}^2 + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3} \xi_{1,1,3} \xi_{1,2,3} - \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,3} + e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,3} + 2 \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,1,3} + \\
 & e^{\lambda \xi_{1,1} - \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,3} - \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,1,3} + \lambda^3 \eta_{2,2,3} \xi_{1,1,3} \xi_{2,2,3} + \\
 & e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,1,3} \xi_{2,2,3} + \lambda^4 \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^5 \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,3} \xi_{2,2,3}, \\
 g_{1,3}[\lambda] \rightarrow & -e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3}^2 \xi_{1,1,3} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}}{-\xi_{1,1,1} + \xi_{1,2,2}} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,2,2})(-\xi_{1,1,1} + \xi_{1,2,2})} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} - (64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & (64 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
 & (128 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (64 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & (4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 + (32 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^9 \xi_{1,1,2} \xi_{1,2,2}^5) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
 & (224 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^9 \xi_{1,1,2} \xi_{1,2,2}^5) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 + (20 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^9 \xi_{1,1,2} \xi_{1,2,2}^5) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & (160 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^6) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 + (256 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^6) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
 & (12 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^6) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (4 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^7) / \\
 \gg & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
 & (260 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^7) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (36 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^7) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
 & (80 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^8) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right) \\
 & (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (380 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^8) / \\
 & \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3 - (64 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3}^{11}) /}{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +} \\
 & \frac{(64 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3}^{11}) / ((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3)}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) + (4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3}^{11}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +}{(192 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^{11}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) -}{(192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^{11}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) -}{(12 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^{11}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) -}{(192 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^{11}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +}{(192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^{11}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +}{(12 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^{11}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +}{(64 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^{11}) / ((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3)} \\
 & \frac{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3 - (64 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^{11}) /}{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) -} \\
 & \frac{(4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^{11}) / ((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3)}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) - (4768 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^{12}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) -}{(1280 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^{12}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +}{(224 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,3}^{12}) / ((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3)} \\
 & \frac{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) + (832 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,3}^{13}) /}{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +} \\
 & \frac{(64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2} \xi_{1,3}^{13}) / ((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3)}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) - (64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,3}^{14}) /} \\
 & \frac{((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3) +}{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,2}} + \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{-\xi_{1,1} + \xi_{1,3}} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{-\xi_{1,1} + \xi_{1,3}} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} - \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{-\xi_{1,1} + \xi_{1,3}} - \\
 & \frac{e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}}{-\xi_{1,2} + \xi_{1,3}} - \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{-\xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{(\xi_{1,2} - \xi_{1,3}) (-\xi_{1,2} + \xi_{1,3})} + \frac{e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,3,3}}{-\xi_{1,2} + \xi_{1,3}} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
 & \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
 & \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} - \\
 & \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})}, \\
 \gg & \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 \mathfrak{g}_{1,2}[\lambda] \rightarrow & - \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{28 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{72 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{14 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^6 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{88 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^7 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{88 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^7 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{88 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^7 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^7 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^7 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^7 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^7 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^7 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{52 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{9 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^5 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^5 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^6 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^6 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{60 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{60 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{116 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{320 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{292 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{132 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{328 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{128 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,3} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2}^7 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2}^8 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{200 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{184 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{40 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{560 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{560 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{20 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{720 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{720 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{54 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{440 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{104 \eta_{2,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{432 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{432 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{36 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,3}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^8 \xi_{1,3} \xi_{1,2,2} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2,2} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,3} \xi_{2,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2} \xi_{2,3} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{160 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{480 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{480 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{160 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{640 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{640 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{360 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{344 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{60 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{60 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{60 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{60 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{200 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{20 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{432 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{432 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{280 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{192 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{60 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{180 \eta_{2,1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{460 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{270 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{90 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 \eta_{2,3} \eta_{2,1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{44 \eta_{2,1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{356 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{124 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda^2 \eta_{1,2,3}} \eta_{2,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{9 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{180 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{30 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^7 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^7 \xi_{1,1,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{32 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{32 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{248 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{172 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{144 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{126 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{96 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{44 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{156 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{42 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1,1} \xi_{1,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1,3} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{84 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^6 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{108 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{82 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^5 \xi_{1,1,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,3}^4 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,3} \xi_{1,2}^5 \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^5 \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1} \xi_{1,3} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,2}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{52 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^9}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^9}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{e^{-2\lambda \xi_{1,2,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{1,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2}^2 \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2}^2 \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2}^2 \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2}^2 \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2}^2 \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{60 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{60 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{116 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{10 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^6 \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{320 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{320 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{292 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{132 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{34 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{400 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{400 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{328 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{128 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{56 \eta_{2,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^9 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^9 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

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$$\begin{aligned}
 & \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{288 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^8 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{1,1,3}^2 \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{180 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{84 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,2}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,2}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,3}^4 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{40 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{560 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{560 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{20 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{50 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{72 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{22 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^3 \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{24 \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{720 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{720 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{64 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{54 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{440 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{76 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{30 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{44 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{18 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{96 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{22 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{36 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{44 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{8 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{6 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^2 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,1} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{288 \eta_{1,3} \eta_{2,1} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{480 \eta_{2,1} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{480 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,1} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{160 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,1} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{288 \eta_{1,3} \eta_{2,1} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2}^2 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2}^3 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,2}^3 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{40 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{640 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{640 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{90 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{360 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{36 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^3 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{2,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{96 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{344 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{4 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{2,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,3}^6 \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{1,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,3} \xi_{1,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{1,2}^9 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{192 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
 & \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
 \end{aligned}$$

$$\begin{aligned}
 & \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^7 \xi_{1,1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{288 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{16 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{8 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,1,2}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{192 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{96 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{48 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,1,2}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^5 \xi_{1,1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{240 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{30 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{44 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{72 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{90 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{180 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
 \end{aligned}$$

$$\begin{aligned}
 & \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{6 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{e^{-2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
 & \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
 & \left. \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \right\}
 \end{aligned}$$

Out[*]=

$$\begin{aligned}
 \text{osol} = & \mathbb{E}_{\{i,j\} \rightarrow \{k\}} \left[y_{1,2}[k] \eta_{1,2}[i] + e^{-\xi_{1,1}[i] + \xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j] + y_{1,3}[k] \eta_{1,3}[i] + \right. \\
 & e^{-\xi_{1,1}[i] + \xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j] + y_{2,3}[k] \eta_{2,3}[i] + e^{-\xi_{2,2}[i] + \xi_{3,3}[i]} y_{2,3}[k] \eta_{2,3}[j] + \\
 & x_{1,1}[k] \xi_{1,1}[i] + x_{1,1}[k] \xi_{1,1}[j] + e^{-\xi_{1,1}[j]} x_{1,2}[k] \xi_{1,2}[i] - e^{\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \xi_{1,2}[i] + \\
 & e^{-\xi_{2,2}[i]} x_{1,2}[k] \xi_{1,2}[j] + e^{-\xi_{1,1}[j]} x_{1,3}[k] \xi_{1,3}[i] + e^{-\xi_{3,3}[i]} x_{1,3}[k] \xi_{1,3}[j] + x_{2,2}[k] \xi_{2,2}[i] + \\
 & x_{2,2}[k] \xi_{2,2}[j] + e^{-\xi_{2,2}[j]} x_{2,3}[k] \xi_{2,3}[i] + e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j] \xi_{2,3}[i] - \\
 & x_{1,3}[k] \xi_{1,2}[j] \xi_{2,3}[i] + e^{-\xi_{3,3}[i]} x_{2,3}[k] \xi_{2,3}[j] + x_{3,3}[k] \xi_{3,3}[i] + x_{3,3}[k] \xi_{3,3}[j], \\
 & - e^{-\xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{2,3}[j] + e^{\xi_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j] \xi_{1,2}[i] - \\
 & e^{\xi_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] - e^{-\xi_{1,1}[i] + 2\xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i] + \\
 & e^{\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{1,3}[j] \xi_{1,2}[i] + x_{1,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] \xi_{1,2}[j] - \\
 & e^{-\xi_{2,2}[j]} x_{2,3}[k] \eta_{1,2}[j] \xi_{1,3}[i] + e^{\xi_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j] \xi_{1,3}[i] - e^{\xi_{3,3}[i]} x_{3,3}[k] \eta_{1,3}[j] \xi_{1,3}[i] - \\
 & e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,3}[i] - e^{-\xi_{1,1}[i] + 2\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i] + \\
 & e^{-\xi_{1,1}[j] - \xi_{2,2}[i] + \xi_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j] \xi_{1,3}[i] - e^{-\xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] - \\
 & e^{-\xi_{1,1}[j] + \xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] + e^{2\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] + \\
 & x_{1,3}[k] \eta_{1,2}[j] \xi_{1,2}[j] \xi_{1,3}[i] + x_{1,3}[k] \eta_{1,3}[j] \xi_{1,3}[i] \xi_{1,3}[j] + e^{\xi_{3,3}[i]} x_{2,2}[k] \eta_{2,3}[j] \xi_{2,3}[i] - \\
 & e^{\xi_{3,3}[i]} x_{3,3}[k] \eta_{2,3}[j] \xi_{2,3}[i] + e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{2,3}[i] - \\
 & e^{-\xi_{1,1}[i] + 2\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{2,3}[i] - e^{-\xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{2,3}[k] \eta_{2,3}[j]^2 \xi_{2,3}[i] + \\
 & e^{\xi_{2,2}[i] + \xi_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - e^{\xi_{2,2}[i] + \xi_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
 & 2 e^{-\xi_{1,1}[i] + 2\xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] + \\
 & e^{2\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
 & \left. e^{-\xi_{2,2}[i] + \xi_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j] \xi_{1,2}[j] \xi_{2,3}[i] + e^{\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,2}[j] \xi_{2,3}[i] - \right.
 \end{aligned}$$

$$\begin{aligned}
& e^{-\epsilon_{1,1}[i] + \epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i] \xi_{2,3}[i] + x_{1,3}[k] \eta_{2,3}[j] \xi_{1,3}[j] \xi_{2,3}[i] - \\
& e^{-\epsilon_{1,1}[i] + 2\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{2,3}[i]^2 + \\
& x_{2,3}[k] \eta_{1,3}[j] \xi_{1,3}[i] \xi_{2,3}[j] + x_{2,3}[k] \eta_{2,3}[j] \xi_{2,3}[i] \xi_{2,3}[j], \\
& -\frac{1}{2} e^{2\epsilon_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \frac{1}{2} e^{2\epsilon_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \\
& e^{-\epsilon_{1,1}[i] + 3\epsilon_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j]^3 \xi_{1,2}[i]^2 + e^{\epsilon_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,3}[i] - \\
& e^{\epsilon_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,3}[i] - e^{-\epsilon_{1,1}[i] + \epsilon_{2,2}[i] + \epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{2,3}[j] \xi_{1,3}[i] + \\
& e^{-\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] - e^{\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \\
& \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] + e^{\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] + \\
& 2 e^{-\epsilon_{1,1}[i] + 2\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] - e^{2\epsilon_{3,3}[i]} y_{1,3}[k] \\
& \eta_{1,2}[i] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] + e^{-\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} x_{1,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,2}[j] \xi_{1,3}[i] - \\
& e^{\epsilon_{3,3}[i]} x_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,2}[j] \xi_{1,3}[i] - \frac{1}{2} e^{2\epsilon_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i]^2 + \\
& \frac{1}{2} e^{2\epsilon_{3,3}[i]} x_{3,3}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i]^2 + e^{-\epsilon_{1,1}[i] + \epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j]^2 \xi_{1,3}[i]^2 + \\
& e^{-\epsilon_{1,1}[i] + 3\epsilon_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j]^3 \xi_{1,3}[i]^2 - e^{-\epsilon_{1,1}[j] - \epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i]^2 + \\
& e^{-\epsilon_{2,2}[i] + 3\epsilon_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^2 \eta_{2,3}[j] \xi_{1,3}[i]^2 + \\
& e^{-\epsilon_{1,1}[j] + 2\epsilon_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i]^2 - e^{3\epsilon_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^3 \xi_{1,2}[i] \xi_{1,3}[i]^2 + \\
& e^{-\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{2,3}[j]^2 \xi_{2,3}[i] + e^{\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \\
& \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - e^{\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
& 2 e^{-\epsilon_{1,1}[i] + 2\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
& e^{2\epsilon_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - e^{2\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \\
& \eta_{1,3}[j] \xi_{1,2}[i]^2 \xi_{2,3}[i] + e^{2\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i]^2 \xi_{2,3}[i] + \\
& 3 e^{-\epsilon_{1,1}[i] + 3\epsilon_{2,2}[i] + \epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{1,3}[j] \xi_{1,2}[i]^2 \xi_{2,3}[i] - \\
& e^{2\epsilon_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] + e^{2\epsilon_{3,3}[i]} x_{3,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& 2 e^{-\epsilon_{1,1}[i] + \epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& 2 e^{-\epsilon_{1,1}[i] + 3\epsilon_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j]^2 \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& e^{-\epsilon_{1,1}[j] - \epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j]^2 \xi_{1,3}[i] \xi_{2,3}[i] + \\
& 2 e^{-\epsilon_{2,2}[i] + 3\epsilon_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j]^2 \xi_{1,3}[i] \xi_{2,3}[i] - e^{\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j]^2 \\
& \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + e^{\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& 4 e^{-\epsilon_{1,1}[i] + 2\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& e^{-\epsilon_{1,1}[j] + 2\epsilon_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& 2 e^{3\epsilon_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^2 \eta_{2,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& e^{-\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[j] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& e^{2\epsilon_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,2}[j] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& e^{-\epsilon_{1,1}[i] + \epsilon_{2,2}[i] + 3\epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^3 \xi_{1,3}[i]^2 \xi_{2,3}[i] - \\
& \frac{1}{2} e^{2\epsilon_{3,3}[i]} x_{2,2}[k] \eta_{2,3}[j]^2 \xi_{2,3}[i]^2 + \frac{1}{2} e^{2\epsilon_{3,3}[i]} x_{3,3}[k] \eta_{2,3}[j]^2 \xi_{2,3}[i]^2 + \\
& e^{-\epsilon_{1,1}[i] + 3\epsilon_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j] \eta_{2,3}[j]^2 \xi_{2,3}[i]^2 + e^{-\epsilon_{2,2}[i] + 3\epsilon_{3,3}[i]} y_{2,3}[k] \eta_{2,3}[j]^3 \xi_{2,3}[i]^2 - \\
& 2 e^{-\epsilon_{1,1}[i] + 2\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i]^2 - \\
& e^{3\epsilon_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j]^2 \xi_{1,2}[i] \xi_{2,3}[i]^2 - \frac{1}{2} e^{2\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} x_{1,1}[k] \\
& \eta_{1,3}[j]^2 \xi_{1,2}[i]^2 \xi_{2,3}[i]^2 + \frac{1}{2} e^{2\epsilon_{2,2}[i] + 2\epsilon_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i]^2 \xi_{2,3}[i]^2 +
\end{aligned}$$

$$\begin{aligned}
 & 3 e^{-\xi_{1,1}[i]+3 \xi_{2,2}[i]+2 \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j]^2 \xi_{1,2}[i]^2 \xi_{2,3}[i]^2 + \\
 & e^{-\xi_{2,2}[i]+2 \xi_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j]^2 \xi_{1,2}[j] \xi_{2,3}[i]^2 - e^{2 \xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \\
 & \xi_{1,2}[j] \xi_{2,3}[i]^2 + 2 e^{-\xi_{1,1}[i]+2 \xi_{2,2}[i]+3 \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^3 \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i]^2 + \\
 & e^{-\xi_{1,1}[i]+3 \xi_{2,2}[i]+3 \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^3 \xi_{1,2}[i]^2 \xi_{2,3}[i]^3];
 \end{aligned}$$

`osol = (List@@osol).Table[ek, {k, 0, Length[osol] - 1}]`

`Out[*]=`

$$\begin{aligned}
 & y_{1,2}[k] \eta_{1,2}[i] + e^{-\xi_{1,1}[i]+\xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j] + \\
 & x_{1,1}[k] \xi_{1,1}[i] + x_{1,1}[k] \xi_{1,1}[j] + e^{-\xi_{1,1}[j]} x_{1,2}[k] \xi_{1,2}[i] + \\
 & e^2 \left(-\frac{1}{2} e^{2 \xi_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \frac{1}{2} e^{2 \xi_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \right. \\
 & \left. e^{-\xi_{1,1}[i]+3 \xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j]^3 \xi_{1,2}[i]^2 \right) + e^{-\xi_{2,2}[i]} x_{1,2}[k] \xi_{1,2}[j] + \\
 & e \left(e^{\xi_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j] \xi_{1,2}[i] - e^{\xi_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] - e^{-\xi_{1,1}[i]+2 \xi_{2,2}[i]} y_{1,2}[k] \right. \\
 & \left. \eta_{1,2}[j]^2 \xi_{1,2}[i] + x_{1,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] \xi_{1,2}[j] \right) + x_{2,2}[k] \xi_{2,2}[i] + x_{2,2}[k] \xi_{2,2}[j]
 \end{aligned}$$

`In[*]:= CF[(Expand@sol[$k].$Basis /. {ξ1αβ → ξαβ[i], η1αβ → ηαβ[i], ξ2αβ → ξαβ[j], η2αβ → ηαβ[j], λ → 1}) - (osol /. v_[k] → v)]`

`Out[*]=`

0