Pensieve header: A full implementation of gl_n^ϵ.

```
In[•]:= SetDirectory["C:/drorbn/AcademicPensieve/Projects/glneps"];
```

Conventions

$x_{\alpha,\beta}$ is always with $\alpha \le \beta$ and represents a basis element of the upper triangular matrices. $y_{\alpha,\beta}$ is always with $\beta \le \alpha$ and represents a basis element of the lower triangular matrices. The adjoint of $x_{\alpha,\beta}$ is $y_{\beta,\alpha}$.

Variable declarations:

```
In[•]:= VarPattern = ((y | x | η | ξ) | (y | x | η | ξ)__)[_];
```

Greek - Latin duality:

```
In[•]:= {y*, x*, η*, ξ*} = {η, ξ, y, x};
        (u_αβ__)* := (u*)αβ;
        ((u : ((y | x | η | ξ) | (y | x | η | ξ)__))[i_])* := u*[i];
        (vs_List)* := (v ↦ v*) /@ vs;
```

```
In[•]:= {x1,2, y2,3, η1,2[7]}*
Out[•]= {ξ1,2, η2,3, y1,2[7]}
```

Weights:

```
In[•]:= Wt[xα_,β_] := {1, α - β}; Wt[yα_,β_] := {0, α - β};
        Wt[ξα_,β_] := {0, β - α}; Wt[ηα_,β_] := {1, β - α};;
        Wt[u_[_]] := Wt[u];
```

```
In[•]:= $k = 2;
```

The Engine

Canonical Forms:

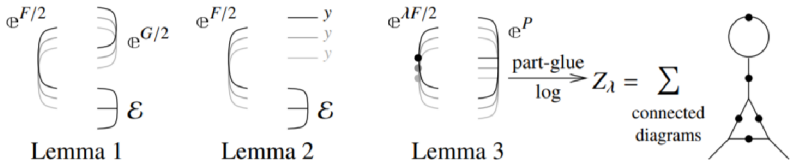
```
In[•]:= LogReduce[ℰ_] :=
          ℰ /. c_ * Log[a_] :> Log@Factor[a^c] //. Log[a_] + Log[b_] :> Log@Factor[a b];
        CF[ℰ_] := Expand@Collect[ℰ, Cases[ℰ, VarPattern, ∞], CCF] /. CCF → Factor;
        CF[ℰ_𝔼] := CF /@ MapAt[LogReduce, ℰ, 1];
        CF[ℰ : 𝔼__[___]] := CF /@ ℰ;
```

𝔼 operations:

```
In[•]:= 𝓔_𝔼[$] := Length[𝓔] - 1; 𝔼_[𝓔s___][$] := 𝔼[𝓔s][$];
𝓔_𝔼[k_Integer] := 𝓔[[k + 1]]; 𝔼_[𝓔s___][k_Integer] := {𝓔s}[[k + 1]];
𝔼 /: 𝓔1_𝔼 ≡ 𝓔2_𝔼 := Inner[CF@#1 == CF@#2 &, 𝓔1, 𝓔2, And];
𝔼_{d1_→r1_}[𝓔1s___] ≡ 𝔼_{d2_→r2_}[𝓔2s___] ^:= (d1 == d2) ∧ (r1 == r2) ∧ (𝔼[𝓔1s] ≡ 𝔼[𝓔2s]);
𝔼 /: 𝓔1_𝔼 * 𝓔2_𝔼 := 𝔼 @@ Table[CF[𝓔1[kk] + 𝓔2[kk]], {kk, 0, Min[𝓔1[$], 𝓔2[$]]}];
𝔼_{d1_→r1_}[𝓔1s___] 𝔼_{d2_→r2_}[𝓔2s___] ^:= 𝔼_{(d1⋃d2)→(r1⋃r2)} @@ (𝔼[𝓔1s] 𝔼[𝓔2s]);
```

```
In[•]:= 𝔼_{d1_→r1_}[𝓔1s___] // 𝔼_{d2_→r2_}[𝓔2s___] := Module[{is = r1 ⋂ d2, lvs, llvs},
  lvs = Cases[{𝓔1s}, (x | y)__[i_] /; MemberQ[is, i], ∞] ⋃
    Cases[{𝓔2s}, (ξ | η)__[i_] /; MemberQ[is, i], ∞]*;
  llvs = Map[$, lvs, {2}];
  𝔼_{(d1⋃Complement[d2,is])→(r2⋃Complement[r1,is])} @@ (Zip_{llvs⋃llvs*}[{(llvs)*.(llvs), Times[
      𝔼[𝓔1s] /. Thread[lvs → llvs],
      𝔼[𝓔2s] /. Thread[lvs* → llvs*]
    ]}])
 ]
```

Zipping! Lemmas 2 and 3 are combined, yet they must be applied first to the middle weight variables and then to the heavy and light variables.



Comment. Zip3 of the outer variables must occur after all other operations are completed, because we must allow for gluings of the weight n variables in perturbations with the weight 0 variables in the coefficients of Q.

dvs stands for “Diagonal Variables”. In gl_n they are the x_{ii}'s and the y_{ii}'s. They have weights {1,0} and {0,0}.

```
In[•]:= Zip_vs_[{ℱ_, 𝓔_}] := Module[{dvs = Select[vs, (Wt[#] == {0, 0} ∨ Wt[#] == {1, 0}) &]},
   {ℱ, 𝓔} // Zip1_vs(*//Zip2_Complement[vs,dvs]*) // Zip2_dvs //
     Zip3_Complement[vs,dvs] // Zip3_dvs
  ] // Last
```

Getting rid of the quadratic.

Lemma 1. With convergences left to the reader,

$$\left\langle F : \mathcal{E}\, e^{\frac{1}{2}\sum_{i,j\in B} G_{ij} z_i z_j} \right\rangle_B = \det(1-GF)^{-1/2} \left\langle F(1-GF)^{-1} : \mathcal{E} \right\rangle_B$$

In[•]:=
```
Zip1{} = Identity;
Zip1vs_@{ℱ_, 𝔼[Q_, P___]} := Module[{ℐ, F, G, u, v},
  ℐ = IdentityMatrix@Length@vs;
  F = Table[If[Wt[u] + Wt[v] == {1, 0}, ∂u,v ℱ, 0], {u, vs}, {v, vs}];
  G = Table[If[Wt[u] + Wt[v] == {1, 0}, ∂u,v Q, 0], {u, vs}, {v, vs}];
  {CF[(vs).(F.Inverse[ℐ - G.F]).(vs) / 2],
   𝔼[CF[Q - PowerExpand@Log[Det[ℐ - G.F]] / 2 - vs.G.vs / 2], P]}
 ]
```

Getting rid of linear terms.

Lemma 2. $\left\langle F:\, \mathcal{E}\, \mathbb{e}^{\sum_{i\in B} y_i z_i} \right\rangle_B = \mathbb{e}^{\frac{1}{2}\sum_{i,j\in B} F_{ij} y_i y_j} \left\langle F:\, \mathcal{E}|_{z_B \to z_B + F y_B} \right\rangle_B$.

In[•]:=
```
Zip2{} = Identity;
Zip2vs_@{ℱ_, 𝔼[Q_, P___]} := Module[{F, Y, u, v},
  F = Table[If[Wt[u] + Wt[v] == {1, 0}, CF[∂u,v ℱ], 0], {u, vs}, {v, vs}];
  Y = Table[∂v Q, {v, vs}] /. Table[v → 0, {v, vs}];
  CF /@ {ℱ, 𝔼[Q - Y.vs + Y.F.Y / 2, P] /. Thread[vs → vs + F.Y]}
 ]
```

Dealing with Feynman diagrams.

Lemma 3. With an extra variable λ, $Z_\lambda := \log[\lambda F:\, \mathbb{e}^P]_B$ satisfies
and is determined by the following PDE / IVP:

$$Z_0 = P \quad \text{and} \quad \partial_\lambda Z_\lambda = \frac{1}{2}\sum_{i,j\in B} F_{ij}\left(\partial_{z_i}\partial_{z_j} Z_\lambda + (\partial_{z_i} Z_\lambda)(\partial_{z_j} Z_\lambda)\right).$$

Note that the power m of λ is at most $k - 1 + \frac{2k+2}{2} = 2k$. We write $Z_\lambda = \sum Z[m]\,\lambda^m$.

In[•]:=
```
Zip3vs_@{ℱ_, ℰ_, 𝔼} := Module[{F, u, v, Z, kk, jj, $m = 0, m, n},
  Do[Z[0, kk] = ℰ[[kk + 1]], {kk, 0, ℰ@$}];
  F[u_, v_] := F[u, v] = CF@If[Wt[u] + Wt[v] == {1, 0}, ∂u,vℱ, 0];
  Z[m_, kk_, u_] := Z[m, kk, u] = ∂uZ[m, kk];
  Z[m_, kk_, u_, v_] := Z[m, kk, u, v] = ∂vZ[m, kk, u];
  For[m = 0, m ≤ 2 $m, ++m, For[kk = 0, kk ≤ ℰ@$, ++kk,
    Z[m + 1, kk] = CF@Sum[
        If[F[u, v] === 0, 0, F[u, v]/(2 (m + 1)) (Z[m, kk, u, v] +
            Sum[Z[n, jj, u] * Z[m - n, kk - jj, v], {n, 0, m}, {jj, 0, kk}])],
        {u, vs}, {v, vs}];
    If[Z[m + 1, kk] =!= 0, $m = m + 1]
   ]];
  CF /@ ({
      ℱ - Sum[F[u, v] * u * v / 2, {u, vs}, {v, vs}],
      𝔼 @@ Table[Sum[Z[m, kk], {m, 0, $m}], {kk, 0, ℰ@$}]
     } /. Table[v → 0, {v, vs}])
 ]
```

“Define” Code

In[•]:=
```
SetAttributes[Define, HoldAll];
Define[def_, defs__] := (Define[def]; Define[defs];);
Define[op_[is__] = ℰ_] := Module[{SD, ii, jj, kk, isp, nis, nisp, sis}, Block[{i, j, k},
   ReleaseHold[Hold[
      SD[op[nisp, $k_Integer], Block[{i, j, k}, op[isp, $k] = ℰ;
        op[nis, $k]]];
      SD[op[isp], op[{is}, $k]];
      SD[op[sis__], op[{sis}]];
     ] /. {SD → SetDelayed,
      isp → {is} /. {i → i_, j → j_, k → k_},
      nis → {is} /. {i → ii, j → jj, k → kk},
      nisp → {is} /. {i → ii_, j → jj_, k → kk_}
     }] ]]
```

```
In[•]:= TriangularSolve[eqns_, vars_] := Module[{sol = {}, e, v},
          MapThread[
           {e, v} ↦ sol = sol ⋃ First@Solve[e /. sol, v],
           Flatten /@ {eqns, vars}
          ];
          sol
         ]
```

```
In[•]:= Λ2𝔼_{d_→r_}[Λ_] := Λ2𝔼_{d→r}[$k, Λ];
        Λ2𝔼_{d_→r_}[$k_, Λ_] :=
          Module[{k}, 𝔼_{d→r} @@ Table[SeriesCoefficient[Λ, {ϵ, 0, k}], {k, 0, $k}]];
```

The Objects

```
In[•]:= n = 5;
        bas = Flatten@Table[x_{α,β}, {β, 1, n}, {α, 1, β}]
```

```
Out[•]= {x_{1,1}, x_{1,2}, x_{2,2}, x_{1,3}, x_{2,3}, x_{3,3}, x_{1,4}, x_{2,4}, x_{3,4}, x_{4,4}, x_{1,5}, x_{2,5}, x_{3,5}, x_{4,5}, x_{5,5}}
```

```
In[•]:= BaseChange_n[b1_ → b2_] := Module[{A, α, β, lhs, rhs, eqns, δα, vars, sol, ξ},
           A1 = A2 = IdentityMatrix[n];
           Do[A1 = A1.MatrixExp[SparseArray[x1 /. x_{α_,β_} :> ({α, β} → ξ1_{α,β}), {n, n}]], {x1, b1}];
           Do[A2 = A2.MatrixExp[SparseArray[x2 /. x_{α_,β_} :> ({α, β} → ξ2_{α,β}), {n, n}]], {x2, b2}];
           solSS = Table[ξ2_{α,α} → ξ1_{α,α}, {α, n}];
           eqns = Table[A1[[α, α + δα]] == A2[[α, α + δα]] /. solSS, {δα, 1, n - 1}, {α, 1, n - δα}];
           vars = Table[ξ2_{α,α+δα}, {δα, 1, n - 1}, {α, 1, n - δα}];
           Join[solSS, Simplify@TriangularSolve[eqns, vars] ]
          ];
```

```
In[•]:= n = 10;
        bas = Flatten@Table[x_{α,β}, {β, 1, n}, {α, 1, β}];
        Table[
          b1 = Permute[bas, RandomPermutation[Length@bas]];
          b2 = Permute[bas, RandomPermutation[Length@bas]];
          {BC_{b1→b2}, BaseChange_n[b1 → b2]},
          {10}
         ] // Monitor
```

```
Out[•]= {{BC_{x_{4,7},x_{1,7},x_{6,7},x_{3,9},x_{7,10},x_{6,9},x_{7,9},x_{1,10},x_{7,8},x_{6,10},x_{5,9},x_{3,3},x_{9,9},x_{3,10},x_{6,8},x_{4,10},x_{4,6},x_{4,5},x_{8,10},x_{4,8},x_{1,4},x_{1,6},x_{2,9},x_{2,7},x_{5,10},x_{5,8},x_{3,5},x_{1,},
  , {ξ2_{1,1} → ξ1_{1,1}, ξ2_{2,2} → ξ1_{2,2}, ξ2_{3,3} → ξ1_{3,3}, ξ2_{4,4} → ξ1_{4,4}, ξ2_{5,5} → ξ1_{5,5},
   ξ2_{6,6} → ξ1_{6,6}, ξ2_{7,7} → ξ1_{7,7}, ξ2_{8,8} → ξ1_{8,8}, ξ2_{9,9} → ξ1_{9,9}, ξ2_{10,10} → ξ1_{10,10},
   ξ2_{1,2} → e^{ξ1_{2,2}} ξ1_{1,2}, ξ2_{1,3} → ξ1_{1,3} + e^{ξ1_{2,2}} ξ1_{1,2} ξ1_{2,3}, ξ2_{1,4} → e^{-ξ1_{1,1}+ξ1_{4,4}} ξ1_{1,4} + ξ1_{1,3} ξ1_{3,4},
   ξ2_{1,5} → e^{ξ1_{5,5}} (e^{-ξ1_{1,1}} ξ1_{1,5} - e^{-ξ1_{4,4}} (ξ1_{1,3} + e^{ξ1_{2,2}} ξ1_{1,2} ξ1_{2,3}) (e^{ξ1_{4,4}} ξ1_{3,5} - ξ1_{3,4} ξ1_{4,5})),
   ξ2_{1,6} → e^{-ξ1_{1,1}} ξ1_{1,6} + e^{-ξ1_{4,4}}
```

$$\left(-\xi 1_{1,3}\left(e^{\xi 1_{4,4}}\xi 1_{3,6}-\xi 1_{3,4}\xi 1_{4,6}\right)+\xi 1_{1,2}\left(e^{\xi 1_{4,4}}\xi 1_{2,6}-e^{\xi 1_{2,2}}\xi 1_{2,3}\left(e^{\xi 1_{4,4}}\xi 1_{3,6}-\xi 1_{3,4}\xi 1_{4,6}\right)\right)\right),$$

$$\xi 2_{1,7}\to \xi 1_{1,7}-\left(\xi 1_{1,6}-e^{\xi 1_{1,1}}\xi 1_{1,3}\xi 1_{3,6}\right)\xi 1_{6,7}+ e^{\xi 1_{1,1}}\xi 1_{1,2}\left(-\xi 1_{2,6}\xi 1_{6,7}+e^{\xi 1_{2,2}-\xi 1_{7,7}}\xi 1_{2,3}\left(-\xi 1_{3,7}+e^{\xi 1_{7,7}}\xi 1_{3,6}\xi 1_{6,7}\right)\right),$$

$$\begin{aligned}\xi 2_{1,8}\to{}&\xi 1_{1,8}+e^{-\xi 1_{1,1}-\xi 1_{4,4}-\xi 1_{7,7}+\xi 1_{8,8}}\left(-e^{\xi 1_{1,1}+\xi 1_{7,7}}\xi 1_{1,3}\xi 1_{3,4}\xi 1_{4,8}-e^{\xi 1_{1,1}+\xi 1_{7,7}}\xi 1_{1,3}\xi 1_{3,4}\xi 1_{4,5}\xi 1_{5,8}+\right.\\
&e^{\xi 1_{1,1}+\xi 1_{7,7}}\xi 1_{1,3}\xi 1_{3,4}\xi 1_{4,6}\xi 1_{6,8}-e^{\xi 1_{1,1}+\xi 1_{4,4}}\xi 1_{1,3}\xi 1_{3,7}\xi 1_{7,8}-\\
&e^{\xi 1_{4,4}+\xi 1_{5,5}}\xi 1_{1,5}\xi 1_{5,7}\xi 1_{7,8}+e^{\xi 1_{1,1}+\xi 1_{5,5}}\xi 1_{1,3}\xi 1_{3,4}\xi 1_{4,5}\xi 1_{5,7}\xi 1_{7,8}-\\
&e^{\xi 1_{1,1}}\xi 1_{1,2}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,8}-e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,5}\xi 1_{5,8}+e^{\xi 1_{2,2}+\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,3}\xi 1_{3,5}\xi 1_{5,8}-\right.\\
&e^{\xi 1_{2,2}+\xi 1_{7,7}}\xi 1_{2,3}\xi 1_{3,4}\xi 1_{4,5}\xi 1_{5,8}-e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,6}\xi 1_{6,8}+e^{\xi 1_{2,2}+\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,3}\xi 1_{3,6}\xi 1_{6,8}-\\
&e^{\xi 1_{2,2}+\xi 1_{7,7}}\xi 1_{2,3}\xi 1_{3,4}\xi 1_{4,6}\xi 1_{6,8}-e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,4}\left(\xi 1_{4,8}-\xi 1_{4,6}\xi 1_{6,8}\right)-e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,7}\\
&\left.\xi 1_{7,8}-e^{\xi 1_{2,2}+\xi 1_{4,4}+\xi 1_{5,5}}\xi 1_{2,3}\xi 1_{3,5}\xi 1_{5,7}\xi 1_{7,8}+e^{\xi 1_{2,2}+\xi 1_{5,5}}\xi 1_{2,3}\xi 1_{3,4}\xi 1_{4,5}\xi 1_{5,7}\xi 1_{7,8}\right)-\\
&e^{\xi 1_{4,4}}\xi 1_{1,4}\left(e^{\xi 1_{7,7}}\xi 1_{4,8}-e^{\xi 1_{7,7}}\xi 1_{4,6}\xi 1_{6,8}+\xi 1_{4,5}\left(e^{\xi 1_{7,7}}\xi 1_{5,8}-e^{\xi 1_{5,5}}\xi 1_{5,7}\xi 1_{7,8}\right)\right)\Big)\Big),\end{aligned}$$

$$\begin{aligned}\xi 2_{1,9}\to{}&e^{-\xi 1_{1,1}-\xi 1_{9,9}}\left(e^{\xi 1_{1,1}}\xi 1_{1,9}+e^{\xi 1_{4,4}}\xi 1_{1,4}\xi 1_{4,9}+e^{\xi 1_{9,9}}\xi 1_{1,7}\xi 1_{7,9}+e^{\xi 1_{8,8}}\xi 1_{1,7}\xi 1_{7,8}\xi 1_{8,9}-\right.\\
&e^{-\xi 1_{7,7}}\left(e^{\xi 1_{7,7}}\xi 1_{1,7}-e^{\xi 1_{7,7}}\left(\xi 1_{1,6}-e^{\xi 1_{1,1}}\xi 1_{1,3}\xi 1_{3,6}\right)\xi 1_{6,7}-e^{\xi 1_{1,1}}\xi 1_{1,2}\left(e^{\xi 1_{7,7}}\xi 1_{2,6}\xi 1_{6,7}+\right.\right.\\
&\left.\left.e^{\xi 1_{2,2}}\xi 1_{2,3}\left(\xi 1_{3,7}-e^{\xi 1_{7,7}}\xi 1_{3,6}\xi 1_{6,7}\right)\right)\right)\left(e^{\xi 1_{9,9}}\xi 1_{7,9}+e^{\xi 1_{8,8}}\xi 1_{7,8}\xi 1_{8,9}\right)-\\
&e^{-\xi 1_{4,4}}\left(e^{\xi 1_{4,4}}\xi 1_{1,4}+e^{\xi 1_{1,1}}\xi 1_{1,3}\xi 1_{3,4}\right)\left(e^{\xi 1_{4,4}}\xi 1_{4,9}+e^{\xi 1_{8,8}}\left(\xi 1_{4,8}+\xi 1_{4,5}\xi 1_{5,8}\right)\xi 1_{8,9}+\right.\\
&\left.\left.\xi 1_{4,6}\left(-e^{\xi 1_{8,8}}\xi 1_{6,8}\xi 1_{8,9}+\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\xi 1_{7,9}+e^{\xi 1_{8,8}}\xi 1_{7,8}\xi 1_{8,9}\right)\right)\right)\Big),\end{aligned}$$

$$\begin{aligned}\xi 2_{1,10}\to{}&e^{-\xi 1_{1,1}-\xi 1_{4,4}-\xi 1_{7,7}+\xi 1_{10,10}}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{1,10}+e^{\xi 1_{1,1}}\xi 1_{1,2}\right.\\
&\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{2,5}\left(\xi 1_{5,10}-e^{\xi 1_{8,8}}\xi 1_{5,8}\xi 1_{8,9}\xi 1_{9,10}\right)+\right.\\
&e^{\xi 1_{4,4}}\left(e^{\xi 1_{7,7}}\left(e^{\xi 1_{8,8}}\xi 1_{2,8}\xi 1_{8,9}\xi 1_{9,10}+\xi 1_{2,6}\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\xi 1_{8,9}\xi 1_{9,10}\right)\right)+\right.\\
&e^{\xi 1_{7,7}}\xi 1_{2,7}\left(\xi 1_{7,10}+\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\xi 1_{8,9}\xi 1_{9,10}\right)\right)+\xi 1_{2,4}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{4,9}\xi 1_{9,10}-\right.\\
&\left.\left.\xi 1_{4,5}\left(e^{\xi 1_{7,7}}\xi 1_{5,8}-e^{\xi 1_{5,5}}\xi 1_{5,7}\xi 1_{7,8}\right)\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\xi 1_{8,9}\xi 1_{9,10}\right)\right)\right)-\\
&e^{\xi 1_{2,2}+\xi 1_{7,7}}\xi 1_{2,3}\left(e^{\xi 1_{4,4}}\xi 1_{3,6}\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\xi 1_{8,9}\xi 1_{9,10}\right)+e^{\xi 1_{4,4}}\xi 1_{3,5}\right.\\
&\left(\xi 1_{5,10}-e^{\xi 1_{8,8}}\xi 1_{5,8}\xi 1_{8,9}\xi 1_{9,10}\right)+\xi 1_{3,4}\left(-\xi 1_{4,6}\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\xi 1_{8,9}\xi 1_{9,10}\right)+\right.\\
&\left.\left.\left.\xi 1_{4,5}\left(-\xi 1_{5,10}+e^{\xi 1_{8,8}}\xi 1_{5,8}\xi 1_{8,9}\xi 1_{9,10}\right)\right)\right)\right)-\\
&e^{\xi 1_{7,7}}\left(e^{\xi 1_{4,4}}\xi 1_{1,6}\xi 1_{6,10}+e^{\xi 1_{4,4}}\left(e^{\xi 1_{1,1}}\xi 1_{1,9}+e^{\xi 1_{4,4}}\xi 1_{1,4}\xi 1_{4,9}\right)\xi 1_{9,10}-e^{\xi 1_{1,1}}\xi 1_{1,3}\left(e^{\xi 1_{4,4}}\xi 1_{3,6}\right.\right.\\
&\left.\left.\left.\left.\xi 1_{6,10}-\xi 1_{3,4}\xi 1_{4,6}\left(\xi 1_{6,10}+\xi 1_{6,7}\left(\xi 1_{7,10}+\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\xi 1_{8,9}\xi 1_{9,10}\right)\right)\right)\right)\right)\right)\right),\end{aligned}$$

$$\xi 2_{2,3}\to \xi 1_{2,3},\ \xi 2_{2,4}\to e^{-\xi 1_{2,2}+\xi 1_{4,4}}\xi 1_{2,4},\ \xi 2_{2,5}\to \xi 1_{2,5}-\xi 1_{2,4}\xi 1_{4,5}+ e^{\xi 1_{2,2}}\xi 1_{2,3}\left(-\xi 1_{3,5}+e^{-\xi 1_{4,4}}\xi 1_{3,4}\xi 1_{4,5}\right),$$

$$\xi 2_{2,6}\to e^{-\xi 1_{2,2}}\xi 1_{2,6}-e^{-\xi 1_{2,2}}\xi 1_{2,4}\xi 1_{4,6}+\xi 1_{2,3}\left(-\xi 1_{3,6}+e^{-\xi 1_{4,4}}\xi 1_{3,4}\xi 1_{4,6}\right),$$

$$\xi 2_{2,7}\to e^{-\xi 1_{2,2}}\xi 1_{2,7}-e^{-\xi 1_{2,2}}\xi 1_{2,6}\xi 1_{6,7}+ \xi 1_{2,3}\left(-e^{-\xi 1_{7,7}}\xi 1_{3,7}+\xi 1_{3,6}\xi 1_{6,7}\right),$$

$$\begin{aligned}\xi 2_{2,8}\to{}&e^{\xi 1_{8,8}}\left(e^{-\xi 1_{2,2}}\xi 1_{2,8}-e^{-\xi 1_{2,2}}\xi 1_{2,5}\xi 1_{5,8}+\xi 1_{2,3}\xi 1_{3,5}\xi 1_{5,8}-\right.\\
&e^{-\xi 1_{4,4}}\xi 1_{2,3}\xi 1_{3,4}\xi 1_{4,5}\xi 1_{5,8}-e^{-\xi 1_{2,2}}\xi 1_{2,6}\xi 1_{6,8}+\xi 1_{2,3}\xi 1_{3,6}\xi 1_{6,8}-\\
&e^{-\xi 1_{4,4}}\xi 1_{2,3}\xi 1_{3,4}\xi 1_{4,6}\xi 1_{6,8}-e^{-\xi 1_{2,2}}\xi 1_{2,4}\left(\xi 1_{4,8}-\xi 1_{4,6}\xi 1_{6,8}\right)-e^{-\xi 1_{2,2}}\xi 1_{2,7}\xi 1_{7,8}-\\
&\left.e^{\xi 1_{5,5}-\xi 1_{7,7}}\xi 1_{2,3}\xi 1_{3,5}\xi 1_{5,7}\xi 1_{7,8}+e^{-\xi 1_{4,4}+\xi 1_{5,5}-\xi 1_{7,7}}\xi 1_{2,3}\xi 1_{3,4}\xi 1_{4,5}\xi 1_{5,7}\xi 1_{7,8}\right),\end{aligned}$$

$$\begin{aligned}\xi 2_{2,9}\to{}&e^{-\xi 1_{2,2}-\xi 1_{9,9}}\left(\xi 1_{2,9}+e^{\xi 1_{4,4}}\xi 1_{2,4}\xi 1_{4,9}+e^{\xi 1_{8,8}}\xi 1_{2,8}\xi 1_{8,9}-\right.\\
&e^{-\xi 1_{4,4}-\xi 1_{7,7}+\xi 1_{8,8}}\left(e^{\xi 1_{4,4}}\xi 1_{2,5}\left(e^{\xi 1_{7,7}}\xi 1_{5,8}-e^{\xi 1_{5,5}}\xi 1_{5,7}\xi 1_{7,8}\right)+\right.\\
&e^{\xi 1_{4,4}}\left(e^{\xi 1_{7,7}}\xi 1_{2,6}\xi 1_{6,8}-\xi 1_{2,4}\xi 1_{4,5}\left(e^{\xi 1_{7,7}}\xi 1_{5,8}-e^{\xi 1_{5,5}}\xi 1_{5,7}\xi 1_{7,8}\right)\right)-\\
&e^{\xi 1_{2,2}}\xi 1_{2,3}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\xi 1_{3,6}\xi 1_{6,8}+e^{\xi 1_{4,4}}\xi 1_{3,5}\left(e^{\xi 1_{7,7}}\xi 1_{5,8}-e^{\xi 1_{5,5}}\xi 1_{5,7}\xi 1_{7,8}\right)-\right.\\
&\left.\left.\left.\xi 1_{3,4}\left(e^{\xi 1_{7,7}}\xi 1_{4,6}\xi 1_{6,8}+\xi 1_{4,5}\left(e^{\xi 1_{7,7}}\xi 1_{5,8}-e^{\xi 1_{5,5}}\xi 1_{5,7}\xi 1_{7,8}\right)\right)\right)\right)\xi 1_{8,9}-\right.\\
&e^{-\xi 1_{7,7}}\left(e^{\xi 1_{7,7}}\xi 1_{2,7}-e^{\xi 1_{7,7}}\xi 1_{2,6}\xi 1_{6,7}-e^{\xi 1_{2,2}}\xi 1_{2,3}\left(\xi 1_{3,7}-e^{\xi 1_{7,7}}\xi 1_{3,6}\xi 1_{6,7}\right)\right)\end{aligned}$$

$$\left(e^{\xi 1_{9,9}}\,\xi 1_{7,9}+e^{\xi 1_{8,8}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)-\xi 1_{2,4}\left(e^{\xi 1_{4,4}}\,\xi 1_{4,9}+e^{\xi 1_{8,8}}\,\left(\xi 1_{4,8}+\xi 1_{4,5}\,\xi 1_{5,8}\right)\,\xi 1_{8,9}+\xi 1_{4,6}\left(-e^{\xi 1_{8,8}}\,\xi 1_{6,8}\,\xi 1_{8,9}+\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,9}+e^{\xi 1_{8,8}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right)\right)\right),$$

$$\xi 2_{2,10}\to \xi 1_{2,10}-e^{-\xi 1_{2,2}-\xi 1_{4,4}-\xi 1_{7,7}+\xi 1_{10,10}}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{2,5}\left(\xi 1_{5,10}-e^{\xi 1_{8,8}}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)+e^{\xi 1_{4,4}}\left(-e^{\xi 1_{7,7}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,10}+e^{\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{2,4}\,\xi 1_{4,9}\,\xi 1_{9,10}+e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{2,8}\,\xi 1_{8,9}\,\xi 1_{9,10}+e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10}-e^{\xi 1_{5,5}+\xi 1_{8,8}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10}+e^{\xi 1_{7,7}}\,\xi 1_{2,6}\left(\xi 1_{6,10}+\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)+e^{\xi 1_{7,7}}\,\xi 1_{2,7}\left(\xi 1_{7,10}+\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right)+e^{\xi 1_{2,2}}\,\xi 1_{2,3}\left(-e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{3,5}\left(\xi 1_{5,10}-e^{\xi 1_{8,8}}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)-e^{\xi 1_{4,4}}\left(e^{\xi 1_{7,7}}\,\xi 1_{3,6}\left(\xi 1_{6,10}+\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)+\xi 1_{3,7}\left(\xi 1_{7,10}+\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right)+e^{\xi 1_{7,7}}\,\xi 1_{3,4}\left(\xi 1_{4,5}\left(\xi 1_{5,10}-e^{\xi 1_{8,8}}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)+\xi 1_{4,6}\left(\xi 1_{6,10}+\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)+\xi 1_{6,7}\left(\xi 1_{7,10}+\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right)\right)\right)\right),$$

$$\xi 2_{3,4}\to e^{\xi 1_{3,3}-\xi 1_{4,4}}\,\xi 1_{3,4},\ \xi 2_{3,5}\to e^{\xi 1_{5,5}}\left(\xi 1_{3,5}-e^{-\xi 1_{4,4}}\,\xi 1_{3,4}\,\xi 1_{4,5}\right),$$

$$\xi 2_{3,6}\to e^{\xi 1_{6,6}}\left(\xi 1_{3,6}+e^{\xi 1_{5,5}}\,\xi 1_{3,5}\,\xi 1_{5,6}-e^{-\xi 1_{4,4}}\,\xi 1_{3,4}\left(\xi 1_{4,6}+e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,6}\right)\right),$$

$$\xi 2_{3,7}\to e^{-\xi 1_{4,4}-\xi 1_{7,7}}\left(e^{\xi 1_{4,4}}\,\xi 1_{3,7}+e^{\xi 1_{4,4}+\xi 1_{5,5}}\,\xi 1_{3,5}\,\xi 1_{5,7}-\xi 1_{3,4}\left(e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,7}+e^{\xi 1_{7,7}}\,\xi 1_{4,6}\,\xi 1_{6,7}\right)\right),$$

$$\xi 2_{3,8}\to e^{-\xi 1_{4,4}-\xi 1_{7,7}+\xi 1_{8,8}}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{3,8}-e^{\xi 1_{4,4}}\left(\xi 1_{3,7}+e^{\xi 1_{5,5}}\,\xi 1_{3,5}\,\xi 1_{5,7}\right)\xi 1_{7,8}-\xi 1_{3,4}\left(e^{\xi 1_{7,7}}\,\xi 1_{4,8}+\xi 1_{4,5}\left(e^{\xi 1_{7,7}}\,\xi 1_{5,8}-e^{\xi 1_{5,5}}\,\xi 1_{5,7}\,\xi 1_{7,8}\right)\right)\right),\ \xi 2_{3,9}\to \xi 1_{3,9}+e^{\xi 1_{3,3}-\xi 1_{4,4}-\xi 1_{7,7}-\xi 1_{9,9}}\left(e^{\xi 1_{4,4}+\xi 1_{8,8}}\left(\xi 1_{3,7}+e^{\xi 1_{5,5}}\,\xi 1_{3,5}\,\xi 1_{5,7}\right)\xi 1_{7,8}\,\xi 1_{8,9}-\xi 1_{3,4}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{4,9}+e^{\xi 1_{5,5}+\xi 1_{8,8}}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,9}+e^{\xi 1_{7,7}}\,\xi 1_{4,6}\,\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,9}+e^{\xi 1_{8,8}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right)\right),$$

$$\xi 2_{3,10}\to e^{\xi 1_{3,3}-\xi 1_{4,4}-\xi 1_{7,7}}\left(e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{3,10}+e^{\xi 1_{4,4}}\left(-e^{\xi 1_{7,7}}\,\xi 1_{3,8}\,\xi 1_{8,10}+\left(\xi 1_{3,7}+e^{\xi 1_{5,5}}\,\xi 1_{3,5}\,\xi 1_{5,7}\right)\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)-\xi 1_{3,4}\left(\xi 1_{4,5}\left(e^{\xi 1_{7,7}}\,\xi 1_{5,10}+2\,e^{\xi 1_{5,5}}\,\xi 1_{5,7}\,\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)-e^{\xi 1_{7,7}}\,\xi 1_{5,8}\left(2\,\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)+e^{\xi 1_{7,7}}\left(-\xi 1_{4,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)+\xi 1_{4,6}\left(\xi 1_{6,10}+\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)+\xi 1_{6,7}\left(\xi 1_{7,10}+\xi 1_{7,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right)\right)\right)\right),$$

$$\xi 2_{4,5}\to e^{-\xi 1_{4,4}}\,\xi 1_{4,5},\ \xi 2_{4,6}\to e^{-\xi 1_{4,4}}\,\xi 1_{4,6},\ \xi 2_{4,7}\to \xi 1_{4,7}-\xi 1_{4,6}\,\xi 1_{6,7},$$

$$\xi 2_{4,8}\to e^{-\xi 1_{4,4}-\xi 1_{7,7}+\xi 1_{8,8}}\left(e^{\xi 1_{7,7}}\,\xi 1_{4,8}-e^{\xi 1_{7,7}}\,\xi 1_{4,6}\,\xi 1_{6,8}+\xi 1_{4,5}\left(e^{\xi 1_{7,7}}\,\xi 1_{5,8}-e^{\xi 1_{5,5}}\,\xi 1_{5,7}\,\xi 1_{7,8}\right)\right),$$

$$\xi 2_{4,9}\to e^{-\xi 1_{4,4}}\left(e^{\xi 1_{4,4}}\,\xi 1_{4,9}+e^{\xi 1_{8,8}}\,\left(\xi 1_{4,8}+\xi 1_{4,5}\,\xi 1_{5,8}\right)\,\xi 1_{8,9}+\xi 1_{4,6}\left(-e^{\xi 1_{8,8}}\,\xi 1_{6,8}\,\xi 1_{8,9}+\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,9}+e^{\xi 1_{8,8}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right)\right),$$

$$\xi 2_{4,10}\to \xi 1_{4,10}+\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,10}-e^{\xi 1_{5,5}-\xi 1_{7,7}}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{4,4}}\,\xi 1_{4,9}\,\xi 1_{9,10}-e^{\xi 1_{8,8}}\,\xi 1_{4,8}\,\xi 1_{8,9}\,\xi 1_{9,10}-e^{\xi 1_{8,8}}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10}+e^{\xi 1_{5,5}-\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10}-\xi 1_{4,6}\left(\xi 1_{6,10}+\xi 1_{6,8}\left(\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right),$$

$$\xi 2_{5,6}\to e^{\xi 1_{6,6}}\,\xi 1_{5,6},\ \xi 2_{5,7}\to e^{-\xi 1_{7,7}}\,\xi 1_{5,7}-\xi 1_{5,6}\,\xi 1_{6,7},$$

$$
\begin{aligned}
&\xi 2_{5,8} \to \\
&\quad \xi 1_{5,8} - e^{\xi 1_{5,5}-\xi 1_{7,7}}\, \xi 1_{5,7}\, \xi 1_{7,8}, \\
&\xi 2_{5,9} \to \xi 1_{5,9} + e^{\xi 1_{5,5}-\xi 1_{7,7}+\xi 1_{8,8}-\xi 1_{9,9}}\, \xi 1_{5,7}\, \xi 1_{7,8}\, \xi 1_{8,9}, \\
&\xi 2_{5,10} \to \\
&\quad e^{-\xi 1_{7,7}+\xi 1_{10,10}} \\
&\qquad \left(e^{\xi 1_{7,7}}\, \xi 1_{5,10} - e^{\xi 1_{7,7}}\, \xi 1_{5,8}\, \xi 1_{8,10} + e^{\xi 1_{5,5}}\, \xi 1_{5,7}\, \xi 1_{7,8}\, \left(\xi 1_{8,10} - e^{\xi 1_{8,8}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right)\right), \\
&\xi 2_{6,7} \to e^{-\xi 1_{6,6}}\, \xi 1_{6,7},\ \xi 2_{6,8} \to e^{\xi 1_{8,8}}\, \xi 1_{6,8}, \\
&\xi 2_{6,9} \to \\
&\quad \xi 1_{6,9} + \xi 1_{6,7}\, \left(\xi 1_{7,9} + e^{\xi 1_{8,8}-\xi 1_{9,9}}\, \xi 1_{7,8}\, \xi 1_{8,9}\right), \\
&\xi 2_{6,10} \to e^{-\xi 1_{6,6}+\xi 1_{10,10}}\, \left(\xi 1_{6,10} + \xi 1_{6,7}\, \left(\xi 1_{7,10} + \xi 1_{7,8}\, \left(\xi 1_{8,10} - e^{\xi 1_{8,8}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right)\right)\right), \\
&\xi 2_{7,8} \to \\
&\quad e^{\xi 1_{8,8}}\, \xi 1_{7,8}, \\
&\xi 2_{7,9} \to e^{\xi 1_{9,9}}\, \xi 1_{7,9} + e^{\xi 1_{8,8}}\, \xi 1_{7,8}\, \xi 1_{8,9}, \\
&\xi 2_{7,10} \to \\
&\quad e^{\xi 1_{10,10}}\, \left(\xi 1_{7,10} + \xi 1_{7,8}\, \left(\xi 1_{8,10} - e^{\xi 1_{8,8}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right)\right),\ \xi 2_{8,9} \to \\
&\quad \xi 1_{8,9}, \\
&\xi 2_{8,10} \to e^{-\xi 1_{8,8}+\xi 1_{10,10}}\, \left(\xi 1_{8,10} - e^{\xi 1_{8,8}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right), \\
&\xi 2_{9,10} \to \\
&\quad e^{\xi 1_{10,10}}\, \xi 1_{9,10}\Big\}\Big\}, \\
&\Big\{\mathrm{BC}_{\{x_{5,10},x_{5,7},x_{3,9},x_{2,10},x_{1,8},x_{3,8},x_{7,9},x_{3,6},x_{1,3},x_{8,9},x_{3,7},x_{9,9},x_{2,9},x_{2,7},x_{9,10},x_{7,7},x_{1,10},x_{4,4},x_{2,4},x_{7,8},x_{6,9},x_{5,6},x_{2,6},x_{8,8},x_{6,6},x_{6,10},x_{10,10},x_{4},} \\
&\ , \Big\{\xi 2_{1,1} \to \xi 1_{1,1},\ \xi 2_{2,2} \to \xi 1_{2,2},\ \xi 2_{3,3} \to \xi 1_{3,3},\ \xi 2_{4,4} \to \xi 1_{4,4},\ \xi 2_{5,5} \to \xi 1_{5,5}, \\
&\quad \xi 2_{6,6} \to \xi 1_{6,6},\ \xi 2_{7,7} \to \xi 1_{7,7},\ \xi 2_{8,8} \to \xi 1_{8,8},\ \xi 2_{9,9} \to \xi 1_{9,9},\ \xi 2_{10,10} \to \xi 1_{10,10}, \\
&\quad \xi 2_{1,2} \to \xi 1_{1,2},\ \xi 2_{1,3} \to \xi 1_{1,3},\ \xi 2_{1,4} \to e^{-\xi 1_{4,4}}\, \left(\xi 1_{1,4} - \xi 1_{1,2}\, \xi 1_{2,4}\right),\ \xi 2_{1,5} \to e^{-\xi 1_{1,1}+\xi 1_{5,5}}\, \xi 1_{1,5}, \\
&\quad \xi 2_{1,6} \to e^{-\xi 1_{6,6}}\, \xi 1_{1,6} - \xi 1_{1,2}\, \xi 1_{2,6},\ \xi 2_{1,7} \to e^{-\xi 1_{1,1}}\, \left(\xi 1_{1,7} - e^{\xi 1_{7,7}}\, \xi 1_{1,2}\, \xi 1_{2,7} - \xi 1_{1,6}\, \xi 1_{6,7}\right), \\
&\quad \xi 2_{1,8} \to e^{-\xi 1_{1,1}}\, \left(e^{\xi 1_{8,8}}\, \xi 1_{1,8} - e^{\xi 1_{8,8}}\, \xi 1_{1,3}\, \xi 1_{3,8} + \xi 1_{1,4}\, \xi 1_{4,8} - \right. \\
&\qquad \left. \xi 1_{1,2}\, \xi 1_{2,4}\, \xi 1_{4,8} + e^{\xi 1_{5,5}}\, \xi 1_{1,5}\, \xi 1_{5,8} - e^{\xi 1_{7,7}+\xi 1_{8,8}}\, \xi 1_{1,2}\, \xi 1_{2,7}\, \xi 1_{7,8}\right), \\
&\quad \xi 2_{1,9} \to \xi 1_{1,9} - e^{\xi 1_{9,9}}\, \xi 1_{1,3}\, \xi 1_{3,9} - \xi 1_{1,4}\, \xi 1_{4,9} + \xi 1_{1,5}\, \xi 1_{5,9} - e^{-\xi 1_{6,6}}\, \xi 1_{1,6}\, \xi 1_{6,9} - \\
&\qquad e^{-\xi 1_{7,7}+\xi 1_{9,9}}\, \xi 1_{1,7}\, \xi 1_{7,9} + e^{-\xi 1_{7,7}+\xi 1_{9,9}}\, \xi 1_{1,6}\, \xi 1_{6,7}\, \xi 1_{7,9} + e^{\xi 1_{9,9}}\, \xi 1_{1,8}\, \xi 1_{8,9} - e^{\xi 1_{9,9}}\, \xi 1_{1,3}\, \xi 1_{3,8}\, \xi 1_{8,9} + \\
&\qquad e^{-\xi 1_{8,8}+\xi 1_{9,9}}\, \xi 1_{1,4}\, \xi 1_{4,8}\, \xi 1_{8,9} + e^{\xi 1_{9,9}}\, \xi 1_{1,7}\, \xi 1_{7,8}\, \xi 1_{8,9} - e^{\xi 1_{9,9}}\, \xi 1_{1,6}\, \xi 1_{6,7}\, \xi 1_{7,8}\, \xi 1_{8,9} + \\
&\qquad \xi 1_{1,2}\, \left(-\xi 1_{2,9} + \xi 1_{2,6}\, \xi 1_{6,9} + e^{\xi 1_{9,9}}\, \left(-e^{-\xi 1_{8,8}}\, \xi 1_{2,4}\, \xi 1_{4,8}\, \xi 1_{8,9} + \xi 1_{2,7}\, \left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\, \xi 1_{7,8}\, \xi 1_{8,9}\right)\right)\right), \\
&\quad \xi 2_{1,10} \to e^{-\xi 1_{10,10}}\, \left(e^{\xi 1_{10,10}}\, \xi 1_{1,10} - e^{\xi 1_{6,6}+\xi 1_{10,10}}\, \xi 1_{1,3}\, \xi 1_{3,6}\, \xi 1_{6,10} + \xi 1_{1,7}\, \xi 1_{7,10} - \xi 1_{1,6}\, \xi 1_{6,7}\, \xi 1_{7,10} + \right. \\
&\qquad e^{\xi 1_{8,8}}\, \xi 1_{1,8}\, \xi 1_{8,10} - e^{\xi 1_{8,8}}\, \xi 1_{1,3}\, \xi 1_{3,8}\, \xi 1_{8,10} + \xi 1_{1,4}\, \xi 1_{4,8}\, \xi 1_{8,10} + \xi 1_{1,6}\, \xi 1_{6,8}\, \xi 1_{8,10} - e^{\xi 1_{6,6}}\, \xi 1_{1,3} \\
&\qquad\quad \xi 1_{3,6}\, \xi 1_{6,8}\, \xi 1_{8,10} - e^{\xi 1_{8,8}}\, \xi 1_{1,6}\, \xi 1_{6,7}\, \xi 1_{7,8}\, \xi 1_{8,10} + e^{\xi 1_{6,6}+\xi 1_{8,8}}\, \xi 1_{1,3}\, \xi 1_{3,6}\, \xi 1_{6,7}\, \xi 1_{7,8}\, \xi 1_{8,10} - \\
&\qquad \xi 1_{1,2}\, \left(e^{\xi 1_{10,10}}\, \xi 1_{2,10} + e^{\xi 1_{7,7}}\, \xi 1_{2,7}\, \xi 1_{7,10} + \xi 1_{2,4}\, \xi 1_{4,8}\, \xi 1_{8,10} + e^{\xi 1_{7,7}+\xi 1_{8,8}}\, \xi 1_{2,7}\, \xi 1_{7,8}\, \xi 1_{8,10} + \right. \\
&\qquad\quad \left. e^{\xi 1_{6,6}}\, \xi 1_{2,6}\, \left(e^{\xi 1_{10,10}}\, \xi 1_{6,10} + \left(\xi 1_{6,8} - e^{\xi 1_{8,8}}\, \xi 1_{6,7}\, \xi 1_{7,8}\right)\, \xi 1_{8,10}\right)\right) - e^{\xi 1_{10,10}}\, \xi 1_{1,9}\, \xi 1_{9,10} + \\
&\qquad \left. e^{\xi 1_{10,10}}\, \xi 1_{1,4}\, \xi 1_{4,9}\, \xi 1_{9,10} - e^{\xi 1_{10,10}}\, \xi 1_{1,5}\, \xi 1_{5,9}\, \xi 1_{9,10} + e^{\xi 1_{10,10}}\, \xi 1_{1,3}\, \xi 1_{3,6}\, \xi 1_{6,9}\, \xi 1_{9,10}\right), \\
&\quad \xi 2_{2,3} \to e^{-\xi 1_{3,3}}\, \xi 1_{2,3},\ \xi 2_{2,4} \to e^{-\xi 1_{4,4}}\, \left(\xi 1_{2,4} - e^{\xi 1_{2,2}}\, \xi 1_{2,3}\, \xi 1_{3,4}\right), \\
&\quad \xi 2_{2,5} \to e^{-\xi 1_{2,2}+\xi 1_{5,5}}\, \xi 1_{2,5} + \xi 1_{2,3}\, \left(-\xi 1_{3,5} + \xi 1_{3,4}\, \xi 1_{4,5}\right), \\
&\quad \xi 2_{2,6} \to e^{-\xi 1_{2,2}+\xi 1_{6,6}}\, \xi 1_{2,6} + \xi 1_{2,3}\, \xi 1_{3,4}\, \xi 1_{4,6}, \\
&\quad \xi 2_{2,7} \to e^{-\xi 1_{2,2}+\xi 1_{7,7}}\, \xi 1_{2,7} + \xi 1_{2,3}\, \left(-e^{-\xi 1_{3,3}+\xi 1_{7,7}}\, \xi 1_{3,7} + \xi 1_{3,4}\, \xi 1_{4,7}\right) + e^{-\xi 1_{2,2}+\xi 1_{6,6}}\, \xi 1_{2,6}\, \xi 1_{6,7}, \\
&\quad \xi 2_{2,8} \to e^{-\xi 1_{8,8}}\, \left(e^{\xi 1_{2,2}}\, \xi 1_{2,8} + \xi 1_{2,4}\, \xi 1_{4,8} + e^{\xi 1_{5,5}}\, \xi 1_{2,5}\, \xi 1_{5,8} + e^{\xi 1_{6,6}}\, \xi 1_{2,6}\, \xi 1_{6,8} + \right. \\
&\qquad e^{\xi 1_{7,7}+\xi 1_{8,8}}\, \xi 1_{2,7}\, \xi 1_{7,8} - e^{-\xi 1_{5,5}}\, \left(e^{\xi 1_{5,5}}\, \xi 1_{2,5} - e^{\xi 1_{2,2}}\, \xi 1_{2,3}\, \left(\xi 1_{3,5} - \xi 1_{3,4}\, \xi 1_{4,5}\right)\right) \\
&\qquad\quad \left. \left(e^{\xi 1_{5,5}}\, \xi 1_{5,8} + e^{\xi 1_{6,6}}\, \xi 1_{5,6}\, \left(\xi 1_{6,8} - e^{\xi 1_{8,8}}\, \xi 1_{6,7}\, \xi 1_{7,8}\right)\right)\right),
\end{aligned}
$$

$$\xi 2_{2,9} \to e^{-\xi 1_{2,2}}\,\xi 1_{2,9} - e^{-\xi 1_{2,2}-\xi 1_{8,8}+\xi 1_{9,9}}\,\left(e^{\xi 1_{2,2}}\,\xi 1_{2,8} + e^{\xi 1_{6,6}}\,\xi 1_{2,6}\,\xi 1_{6,8} + e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{2,7}\,\xi 1_{7,8}\right)\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{3,3}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,7}\,\left(-\xi 1_{7,9} + e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right) + e^{-\xi 1_{2,2}+\xi 1_{6,6}-\xi 1_{7,7}-\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{2,5}$$
$$\xi 1_{5,6}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{6,8}\,\xi 1_{8,9} + e^{\xi 1_{8,8}}\,\xi 1_{6,7}\,\left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right) + \xi 1_{2,3}\,\xi 1_{3,4}$$
$$\left(\xi 1_{4,9} + e^{-\xi 1_{8,8}}\,\left(-e^{\xi 1_{9,9}}\,\xi 1_{4,8}\,\xi 1_{8,9} + e^{-\xi 1_{5,5}-\xi 1_{7,7}}\,\xi 1_{4,5}\,\left(-e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{5,9} + e^{\xi 1_{9,9}}\,\left(e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{5,8}\right.\right.\right.\right.\right.$$
$$\left.\left.\left.\left.\left.\xi 1_{8,9} + e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{6,8}\,\xi 1_{8,9} + e^{\xi 1_{8,8}}\,\xi 1_{6,7}\,\left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right)\right)\right)\right)\right),$$
$$\xi 2_{2,10} \to e^{-\xi 1_{2,2}+\xi 1_{10,10}}\,\xi 1_{2,10} + e^{-\xi 1_{2,2}}\,\left(\xi 1_{2,4}\,\xi 1_{4,8}\,\xi 1_{8,10} + e^{\xi 1_{6,6}}\,\xi 1_{2,6}\,\left(e^{\xi 1_{10,10}}\,\xi 1_{6,10} + \xi 1_{6,7}\,\xi 1_{7,10} +\right.\right.$$
$$\left.\left.\xi 1_{6,8}\,\xi 1_{8,10}\right) + e^{\xi 1_{7,7}}\,\xi 1_{2,7}\,\left(\xi 1_{7,10} + e^{\xi 1_{8,8}}\,\xi 1_{7,8}\,\xi 1_{8,10}\right) - e^{\xi 1_{10,10}}\,\xi 1_{2,5}\,\xi 1_{5,9}\,\xi 1_{9,10}\right) -$$
$$e^{-\xi 1_{3,3}}\,\xi 1_{2,3}\,\left(e^{\xi 1_{3,3}}\,\xi 1_{3,10} + e^{\xi 1_{7,7}}\,\xi 1_{3,7}\,\xi 1_{7,10} - e^{\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,10} + e^{\xi 1_{8,8}}\,\xi 1_{3,8}\,\xi 1_{8,10} +\right.$$
$$e^{\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,8}\,\xi 1_{8,10} + e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{3,7}\,\xi 1_{7,8}\,\xi 1_{8,10} + e^{\xi 1_{3,3}+\xi 1_{10,10}}\,\xi 1_{3,4}\,\xi 1_{4,9}\,\xi 1_{9,10} + \xi 1_{3,6}$$
$$\left.\left(e^{\xi 1_{6,6}+\xi 1_{10,10}}\,\xi 1_{6,10} + e^{\xi 1_{6,6}}\,\xi 1_{6,8}\,\xi 1_{8,10} - e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} - e^{\xi 1_{10,10}}\,\xi 1_{6,9}\,\xi 1_{9,10}\right)\right),$$
$$\xi 2_{3,4} \to e^{\xi 1_{3,3}-\xi 1_{4,4}}\,\xi 1_{3,4},\ \xi 2_{3,5} \to e^{\xi 1_{3,3}}\,\xi 1_{3,5},\ \xi 2_{3,6} \to \xi 1_{3,6},\ \xi 2_{3,7} \to e^{\xi 1_{7,7}}\,\xi 1_{3,7},$$
$$\xi 2_{3,8} \to \xi 1_{3,8} + e^{\xi 1_{7,7}}\,\xi 1_{3,7}\,\xi 1_{7,8},$$
$$\xi 2_{3,9} \to e^{\xi 1_{9,9}}\,\xi 1_{3,9} - e^{\xi 1_{9,9}}\,\xi 1_{3,7}\,\xi 1_{7,9} -$$
$$e^{\xi 1_{3,3}-\xi 1_{5,5}-\xi 1_{7,7}-\xi 1_{8,8}}\,\xi 1_{3,5}\,\left(e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{5,9} - e^{\xi 1_{9,9}}\,\left(e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{5,8}\,\xi 1_{8,9} +\right.\right.$$
$$\left.\left.e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{6,8}\,\xi 1_{8,9} + e^{\xi 1_{8,8}}\,\xi 1_{6,7}\,\left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right)\right)\right),$$
$$\xi 2_{3,10} \to e^{-\xi 1_{10,10}}\,\left(e^{\xi 1_{3,3}}\,\xi 1_{3,10} + e^{\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,10} + e^{\xi 1_{6,6}+\xi 1_{10,10}}\,\xi 1_{3,6}\,\xi 1_{6,10} + e^{\xi 1_{7,7}}\,\xi 1_{3,7}\,\xi 1_{7,10} +\right.$$
$$e^{\xi 1_{8,8}}\,\xi 1_{3,8}\,\xi 1_{8,10} + e^{\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,8}\,\xi 1_{8,10} + e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{3,7}\,\xi 1_{7,8}\,\xi 1_{8,10} -$$
$$\left.e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} - e^{\xi 1_{10,10}}\,\xi 1_{3,6}\,\xi 1_{6,9}\,\xi 1_{9,10}\right),$$
$$\xi 2_{4,5} \to e^{\xi 1_{4,4}}\,\xi 1_{4,5},\ \xi 2_{4,6} \to e^{\xi 1_{4,4}-\xi 1_{6,6}}\,\xi 1_{4,6},\ \xi 2_{4,7} \to e^{\xi 1_{4,4}-\xi 1_{7,7}}\,\xi 1_{4,7},$$
$$\xi 2_{4,8} \to e^{\xi 1_{4,4}-\xi 1_{8,8}}\,\xi 1_{4,8},$$
$$\xi 2_{4,9} \to e^{\xi 1_{4,4}}$$
$$\left(\xi 1_{4,9} + e^{-\xi 1_{5,5}-\xi 1_{7,7}-\xi 1_{8,8}}\,\left(-e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{4,8}\,\xi 1_{8,9} + e^{\xi 1_{8,8}}\,\xi 1_{4,7}\,\left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right) +\right.\right.$$
$$\left.\left.\xi 1_{4,5}\,\left(-e^{\xi 1_{7,7}+\xi 1_{8,8}}\,\xi 1_{5,9} + e^{\xi 1_{9,9}}\,\left(e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{5,8}\,\xi 1_{8,9} +\right.\right.\right.\right.$$
$$\left.\left.\left.\left.e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{6,8}\,\xi 1_{8,9} + e^{\xi 1_{8,8}}\,\xi 1_{6,7}\,\left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right)\right)\right)\right)\right),$$
$$\xi 2_{4,10} \to e^{\xi 1_{4,4}}\,\left(\xi 1_{4,10} - \xi 1_{4,8}\,\xi 1_{8,10} - e^{\xi 1_{8,8}}\,\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10} - e^{\xi 1_{10,10}}\,\xi 1_{4,9}\,\xi 1_{9,10}\right),$$
$$\xi 2_{5,6} \to e^{-\xi 1_{5,5}}\,\xi 1_{5,6},$$
$$\xi 2_{5,7} \to e^{-\xi 1_{5,5}-\xi 1_{7,7}}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{5,7} + e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,\xi 1_{6,7}\right),$$
$$\xi 2_{5,8} \to e^{-\xi 1_{5,5}-\xi 1_{8,8}}\,\left(e^{\xi 1_{5,5}}\,\xi 1_{5,8} + e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,\left(\xi 1_{6,8} - e^{\xi 1_{8,8}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\right),$$
$$\xi 2_{5,9} \to e^{-\xi 1_{5,5}}\,\left(\xi 1_{5,9} - e^{-\xi 1_{7,7}-\xi 1_{8,8}+\xi 1_{9,9}}\,\left(e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{5,8}\,\xi 1_{8,9} +\right.\right.$$
$$\left.\left.e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{6,8}\,\xi 1_{8,9} + e^{\xi 1_{8,8}}\,\xi 1_{6,7}\,\left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right)\right)\right)\right),\ \xi 2_{5,10} \to$$
$$e^{-\xi 1_{5,5}}\,\left(\xi 1_{5,10} + e^{\xi 1_{6,6}-\xi 1_{10,10}}\,\xi 1_{5,6}\,\left(e^{\xi 1_{10,10}}\,\xi 1_{6,10} + \left(\xi 1_{6,8} - e^{\xi 1_{8,8}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\,\xi 1_{8,10}\right) - \xi 1_{5,9}\,\xi 1_{9,10}\right),$$
$$\xi 2_{6,7} \to e^{\xi 1_{6,6}-\xi 1_{7,7}}\,\xi 1_{6,7},\ \xi 2_{6,8} \to e^{\xi 1_{6,6}}\,\left(e^{-\xi 1_{8,8}}\,\xi 1_{6,8} - \xi 1_{6,7}\,\xi 1_{7,8}\right),$$
$$\xi 2_{6,9} \to \xi 1_{6,9} + e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\left(-e^{-\xi 1_{8,8}}\,\xi 1_{6,8}\,\xi 1_{8,9} + \xi 1_{6,7}\,\left(-e^{-\xi 1_{7,7}}\,\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9}\right)\right),$$
$$\xi 2_{6,10} \to e^{\xi 1_{6,6}}\,\xi 1_{6,10} + e^{\xi 1_{6,6}-\xi 1_{10,10}}\,\xi 1_{6,8}\,\xi 1_{8,10} - e^{\xi 1_{6,6}+\xi 1_{8,8}-\xi 1_{10,10}}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} - \xi 1_{6,9}\,\xi 1_{9,10},$$
$$\xi 2_{7,8} \to e^{\xi 1_{7,7}}\,\xi 1_{7,8},$$
$$\xi 2_{7,9} \to e^{-\xi 1_{7,7}+\xi 1_{9,9}}\,\left(\xi 1_{7,9} - e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,9}\right),$$
$$\xi 2_{7,10} \to e^{-\xi 1_{10,10}}\,\left(\xi 1_{7,10} + e^{\xi 1_{8,8}}\,\xi 1_{7,8}\,\xi 1_{8,10}\right),$$
$$\xi 2_{8,9} \to e^{\xi 1_{9,9}}\,\xi 1_{8,9},$$
$$\xi 2_{8,10} \to e^{\xi 1_{8,8}-\xi 1_{10,10}}\,\xi 1_{8,10},$$
$$\xi 2_{9,10} \to e^{\xi 1_{10,10}}\,\xi 1_{9,10}\Big\}\Big\},$$
$$\left\{BC_{\{x_{1,8},x_{4,4},x_{4,5},x_{8,8},x_{2,2},x_{2,10},x_{7,10},x_{3,3},x_{2,5},x_{7,7},x_{6,7},x_{3,6},x_{4,6},x_{1,2},x_{3,8},x_{4,9},x_{2,8},x_{8,9},x_{2,3},x_{5,7},x_{7,8},x_{5,5},x_{4,10},x_{3,4},x_{6,9},x_{1,3},x_{9,10},x_{5,8},}\right.$$
$$\left., \left\{\xi 2_{1,1} \to \xi 1_{1,1},\ \xi 2_{2,2} \to \xi 1_{2,2},\ \xi 2_{3,3} \to \xi 1_{3,3},\ \xi 2_{4,4} \to \xi 1_{4,4},\ \xi 2_{5,5} \to \xi 1_{5,5},\right.\right.$$

$$\xi 2_{6,6}\to \xi 1_{6,6},\ \xi 2_{7,7}\to \xi 1_{7,7},\ \xi 2_{8,8}\to \xi 1_{8,8},\ \xi 2_{9,9}\to \xi 1_{9,9},\ \xi 2_{10,10}\to \xi 1_{10,10},$$
$$\xi 2_{1,2}\to \xi 1_{1,2},\ \xi 2_{1,3}\to \xi 1_{1,3}+\xi 1_{1,2}\,\xi 1_{2,3},\ \xi 2_{1,4}\to e^{\xi 1_{1,1}}\,\xi 1_{1,4}+\xi 1_{1,2}\,(\xi 1_{2,4}+\xi 1_{2,3}\,\xi 1_{3,4}),$$
$$\xi 2_{1,5}\to \xi 1_{1,5}+e^{\xi 1_{5,5}}\,(\xi 1_{1,3}+\xi 1_{1,2}\,\xi 1_{2,3})\,\xi 1_{3,4}\,\xi 1_{4,5},\ \xi 2_{1,6}\to e^{\xi 1_{1,1}}\,\xi 1_{1,6}+\xi 1_{1,2}\,\xi 1_{2,6},$$
$$\xi 2_{1,7}\to e^{-\xi 1_{7,7}}\,(\xi 1_{1,7}-\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,7}+\xi 1_{1,3}\,(-\xi 1_{3,4}\,\xi 1_{4,7}+\xi 1_{3,6}\,\xi 1_{6,7})),$$
$$\xi 2_{1,8}\to e^{-\xi 1_{8,8}}\,\Big(e^{\xi 1_{8,8}}\,\xi 1_{1,8}+e^{\xi 1_{1,1}}\,\xi 1_{1,4}\,\xi 1_{4,8}+\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,8}+$$
$$\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,8}-\xi 1_{1,5}\,\xi 1_{5,8}-e^{\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,8}+\xi 1_{1,2}\,\xi 1_{2,6}\,\xi 1_{6,8}-$$
$$\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,7}\,\xi 1_{7,8}-\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,8}-\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\Big),$$
$$\xi 2_{1,9}\to e^{\xi 1_{1,1}}\,\xi 1_{1,9}-e^{\xi 1_{1,1}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,9}+\xi 1_{1,5}\,\xi 1_{5,9}-e^{\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,9}-$$
$$e^{\xi 1_{1,1}+\xi 1_{5,5}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,9}-e^{\xi 1_{1,1}+\xi 1_{9,9}}\,\xi 1_{1,6}\,\xi 1_{6,9}+\xi 1_{1,7}\,\xi 1_{7,9}-$$
$$\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,9}+\xi 1_{1,3}\,(\xi 1_{3,9}+\xi 1_{3,7}\,\xi 1_{7,9})+e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{1,8}\,\xi 1_{8,9},$$
$$\xi 2_{1,10}\to e^{\xi 1_{10,10}}\,\Big(\xi 1_{1,10}+e^{\xi 1_{1,1}}\,\xi 1_{1,6}\,\xi 1_{6,10}+\xi 1_{1,2}\,\xi 1_{2,6}\,\xi 1_{6,10}+e^{-\xi 1_{5,5}-\xi 1_{7,7}}\,\xi 1_{1,5}\,\xi 1_{5,7}\,\xi 1_{7,10}+$$
$$\xi 1_{1,2}\,\xi 1_{2,8}\,\xi 1_{8,10}-\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,8}\,\xi 1_{8,10}-e^{\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,10}-$$
$$\xi 1_{1,2}\,\xi 1_{2,6}\,\xi 1_{6,8}\,\xi 1_{8,10}+\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+$$
$$\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{1,1}-\xi 1_{9,9}}\,\xi 1_{1,9}\,\xi 1_{9,10}-e^{-\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,9}\,\xi 1_{9,10}-$$
$$e^{-\xi 1_{9,9}}\,\xi 1_{1,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-e^{-\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+e^{-\xi 1_{9,9}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-$$
$$e^{-\xi 1_{9,9}}\,\xi 1_{1,3}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-e^{-\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}\Big),$$
$$\xi 2_{2,3}\to e^{\xi 1_{2,2}}\,\xi 1_{2,3},\ \xi 2_{2,4}\to e^{\xi 1_{2,2}}\,(\xi 1_{2,4}+\xi 1_{2,3}\,\xi 1_{3,4}),\ \xi 2_{2,5}\to e^{\xi 1_{2,2}+\xi 1_{5,5}}\,(\xi 1_{2,5}-\xi 1_{2,4}\,\xi 1_{4,5}),$$
$$\xi 2_{2,6}\to e^{\xi 1_{2,2}}\,\xi 1_{2,6},\ \xi 2_{2,7}\to \xi 1_{2,7}+\xi 1_{2,5}\,\xi 1_{5,7}+\xi 1_{2,3}\,\xi 1_{3,6}\,\xi 1_{6,7},$$
$$\xi 2_{2,8}\to \xi 1_{2,8}-e^{\xi 1_{5,5}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,8}-\xi 1_{2,6}\,\xi 1_{6,8}+$$
$$\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,8}+\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,8}+\xi 1_{2,4}\,(-\xi 1_{4,8}+\xi 1_{4,7}\,\xi 1_{7,8}),$$
$$\xi 2_{2,9}\to \xi 1_{2,9}-e^{\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,9}+e^{\xi 1_{5,5}}\,\xi 1_{2,5}\,\xi 1_{5,9}-e^{\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,9}-$$
$$e^{\xi 1_{9,9}}\,\xi 1_{2,6}\,\xi 1_{6,9}+\xi 1_{2,7}\,\xi 1_{7,9}+\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,9}+$$
$$\xi 1_{2,3}\,\Big(\xi 1_{3,9}+\xi 1_{3,7}\,\xi 1_{7,9}-\xi 1_{3,4}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{4,9}+e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,9}-\xi 1_{4,7}\,\xi 1_{7,9}\Big)\Big)+e^{\xi 1_{9,9}}\,\xi 1_{2,8}\,\xi 1_{8,9},$$
$$\xi 2_{2,10}\to e^{\xi 1_{2,2}}\,\Big(\xi 1_{2,10}-e^{\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,10}-e^{\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,10}+$$
$$e^{-\xi 1_{7,7}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,10}+e^{-\xi 1_{7,7}}\,\xi 1_{2,6}\,\xi 1_{6,7}\,\xi 1_{7,10}+\xi 1_{2,8}\,\xi 1_{8,10}-\xi 1_{2,4}\,\xi 1_{4,8}\,\xi 1_{8,10}-$$
$$e^{\xi 1_{5,5}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,10}-\xi 1_{2,6}\,\xi 1_{6,8}\,\xi 1_{8,10}+\xi 1_{2,4}\,\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+$$
$$\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{-\xi 1_{9,9}}\,\xi 1_{2,9}\,\xi 1_{9,10}+e^{\xi 1_{5,5}-\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,9}\,\xi 1_{9,10}-$$
$$e^{-\xi 1_{9,9}}\,\xi 1_{2,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-e^{-\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+\xi 1_{2,5}\,\Big(e^{\xi 1_{5,5}}\,\xi 1_{5,10}+$$
$$e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\xi 1_{6,10}+e^{-\xi 1_{9,9}}\,\Big(-e^{\xi 1_{5,5}}\,\xi 1_{5,9}\,\xi 1_{9,10}+\xi 1_{5,7}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{7,8}\,\xi 1_{8,10}-\xi 1_{7,9}\,\xi 1_{9,10}\Big)\Big)\Big)\Big),$$
$$\xi 2_{3,4}\to e^{\xi 1_{3,3}-\xi 1_{4,4}}\,\xi 1_{3,4},\ \xi 2_{3,5}\to \xi 1_{3,5}-e^{\xi 1_{5,5}}\,\xi 1_{3,4}\,\xi 1_{4,5},\ \xi 2_{3,6}\to e^{\xi 1_{3,3}}\,\xi 1_{3,6},$$
$$\xi 2_{3,7}\to e^{-\xi 1_{7,7}}\,(\xi 1_{3,7}+\xi 1_{3,4}\,\xi 1_{4,7}-\xi 1_{3,6}\,\xi 1_{6,7}),$$
$$\xi 2_{3,8}\to e^{\xi 1_{3,3}-\xi 1_{8,8}}\,\Big(\xi 1_{3,8}-\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,8}+\xi 1_{3,4}\,\Big(-e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,8}+\xi 1_{4,7}\,\xi 1_{7,8}\Big)\Big),$$
$$\xi 2_{3,9}\to e^{\xi 1_{3,3}}\,\Big(\xi 1_{3,9}+\xi 1_{3,7}\,\xi 1_{7,9}-\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,9}+e^{\xi 1_{9,9}}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9}-$$
$$\xi 1_{3,4}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{4,9}+e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\Big(\xi 1_{5,9}-e^{\xi 1_{9,9}}\,\xi 1_{5,8}\,\xi 1_{8,9}\Big)-\xi 1_{4,7}\,\Big(\xi 1_{7,9}-e^{\xi 1_{9,9}}\,\xi 1_{7,8}\,\xi 1_{8,9}\Big)\Big)\Big),$$
$$\xi 2_{3,10}\to e^{-\xi 1_{7,7}-\xi 1_{9,9}+\xi 1_{10,10}}\,\Big(e^{\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{3,10}-e^{\xi 1_{5,5}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,10}-$$
$$e^{\xi 1_{5,5}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,10}+e^{\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{3,5}\,(\xi 1_{5,10}+\xi 1_{5,6}\,\xi 1_{6,10})+$$
$$e^{\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,10}-e^{\xi 1_{7,7}}\,\xi 1_{3,9}\,\xi 1_{9,10}+e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,9}\,\xi 1_{9,10}-$$
$$e^{\xi 1_{7,7}}\,\xi 1_{3,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-e^{\xi 1_{7,7}}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+e^{\xi 1_{7,7}}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}\Big),$$
$$\xi 2_{4,5}\to e^{\xi 1_{5,5}}\,\xi 1_{4,5},\ \xi 2_{4,6}\to e^{\xi 1_{4,4}}\,\xi 1_{4,6},\ \xi 2_{4,7}\to e^{\xi 1_{4,4}-\xi 1_{7,7}}\,(\xi 1_{4,7}+\xi 1_{4,5}\,\xi 1_{5,7}-\xi 1_{4,6}\,\xi 1_{6,7}),$$
$$\xi 2_{4,8}\to e^{-\xi 1_{8,8}}\,(\xi 1_{4,8}-\xi 1_{4,7}\,\xi 1_{7,8}),$$
$$\xi 2_{4,9}\to e^{\xi 1_{9,9}}\,\xi 1_{4,9}+e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,9},$$
$$\xi 2_{4,10}\to e^{\xi 1_{4,4}}\,\Big(\xi 1_{4,10}+e^{-\xi 1_{7,7}}\,(-\xi 1_{4,7}+\xi 1_{4,6}\,\xi 1_{6,7})\,\xi 1_{7,10}\Big),$$
$$\xi 2_{5,6}\to \xi 1_{5,6},\ \xi 2_{5,7}\to e^{-\xi 1_{5,5}-\xi 1_{7,7}}\,\xi 1_{5,7},$$
$$\xi 2_{5,8}\to e^{-\xi 1_{8,8}}\,\xi 1_{5,8},\ \xi 2_{5,9}\to \xi 1_{5,9},$$

$$\xi 2_{5,10}\to e^{\xi 1_{10,10}}\left(\xi 1_{5,10}+\xi 1_{5,6}\,\xi 1_{6,10}-e^{-\xi 1_{5,5}-\xi 1_{7,7}}\,\xi 1_{5,7}\,\xi 1_{7,10}-e^{-\xi 1_{9,9}}\,\xi 1_{5,9}\,\xi 1_{9,10}\right),$$
$$\xi 2_{6,7}\to e^{-\xi 1_{7,7}}\,\xi 1_{6,7},\ \xi 2_{6,8}\to e^{-\xi 1_{8,8}}\,\xi 1_{6,8},\ \xi 2_{6,9}\to e^{\xi 1_{9,9}}\,\xi 1_{6,9},$$
$$\xi 2_{6,10}\to e^{-\xi 1_{7,7}+\xi 1_{10,10}}\left(e^{\xi 1_{7,7}}\,\xi 1_{6,10}-\xi 1_{6,7}\,\xi 1_{7,10}\right),$$
$$\xi 2_{7,8}\to e^{\xi 1_{7,7}}\,\xi 1_{7,8},\ \xi 2_{7,9}\to e^{\xi 1_{7,7}}\,\xi 1_{7,9},$$
$$\xi 2_{7,10}\to e^{\xi 1_{10,10}}\left(\xi 1_{7,10}-e^{\xi 1_{7,7}-\xi 1_{9,9}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right),\ \xi 2_{8,9}\to e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{8,9},$$
$$\xi 2_{8,10}\to e^{\xi 1_{10,10}}\,\xi 1_{8,10},\ \xi 2_{9,10}\to e^{-\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{9,10}\Big\}\Big\},$$
$$\Big\{\mathrm{BC}_{\{x_{4,4},x_{3,10},x_{5,7},x_{4,5},x_{3,3},x_{2,9},x_{4,7},x_{3,8},x_{5,9},x_{4,8},x_{2,10},x_{1,8},x_{7,9},x_{3,4},x_{1,4},x_{8,8},x_{2,5},x_{1,6},x_{1,9},x_{1,3},x_{6,8},x_{1,7},x_{6,6},x_{2,6},x_{6,9},x_{1,2},x_{2,7},x_{3,7},x_3$$
$$,\ \Big\{\xi 2_{1,1}\to\xi 1_{1,1},\ \xi 2_{2,2}\to\xi 1_{2,2},\ \xi 2_{3,3}\to\xi 1_{3,3},\ \xi 2_{4,4}\to\xi 1_{4,4},$$
$$\xi 2_{5,5}\to\xi 1_{5,5},\ \xi 2_{6,6}\to\xi 1_{6,6},\ \xi 2_{7,7}\to\xi 1_{7,7},\ \xi 2_{8,8}\to\xi 1_{8,8},\ \xi 2_{9,9}\to\xi 1_{9,9},$$
$$\xi 2_{10,10}\to\xi 1_{10,10},\ \xi 2_{1,2}\to e^{-\xi 1_{1,1}+\xi 1_{2,2}}\,\xi 1_{1,2},\ \xi 2_{1,3}\to e^{-\xi 1_{1,1}}\,(\xi 1_{1,3}+\xi 1_{1,2}\,\xi 1_{2,3}),$$
$$\xi 2_{1,4}\to e^{-\xi 1_{1,1}}\left(\xi 1_{1,4}+e^{\xi 1_{2,2}}\,\xi 1_{1,2}\,\xi 1_{2,4}\right),\ \xi 2_{1,5}\to\xi 1_{1,5}+e^{-\xi 1_{1,1}+\xi 1_{5,5}}\,(\xi 1_{1,3}+\xi 1_{1,2}\,\xi 1_{2,3})\,\xi 1_{3,5},$$
$$\xi 2_{1,6}\to e^{-\xi 1_{1,1}-\xi 1_{5,5}-\xi 1_{6,6}}\left(e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,6}+e^{\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,6}-e^{\xi 1_{2,2}+\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,6}-\right.$$
$$\left.e^{\xi 1_{1,1}}\,\xi 1_{1,5}\,\xi 1_{5,6}-e^{\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,5}\,\xi 1_{5,6}+e^{\xi 1_{5,5}}\,\xi 1_{1,3}\,(\xi 1_{3,6}-\xi 1_{3,5}\,\xi 1_{5,6})\right),$$
$$\xi 2_{1,7}\to e^{-\xi 1_{1,1}-\xi 1_{5,5}+\xi 1_{7,7}}\left(e^{\xi 1_{5,5}}\,\xi 1_{1,7}+e^{\xi 1_{5,5}}\,\xi 1_{1,2}\,(\xi 1_{2,7}-\xi 1_{2,3}\,\xi 1_{3,7})-e^{\xi 1_{1,1}}\,\xi 1_{1,5}\,\xi 1_{5,7}+\right.$$
$$\left.e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,6}\,\xi 1_{6,7}-e^{\xi 1_{1,1}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\right),\ \xi 2_{1,8}\to$$
$$e^{-\xi 1_{1,1}-\xi 1_{6,6}}\left(e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,8}+e^{\xi 1_{1,1}+\xi 1_{6,6}}\,\xi 1_{1,5}\,\xi 1_{5,8}+e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,8}-\xi 1_{1,3}\,\xi 1_{3,6}\,\xi 1_{6,8}-\right.$$
$$\left.\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,8}+\xi 1_{1,2}\left(e^{\xi 1_{6,6}}\,\xi 1_{2,8}+\xi 1_{2,3}\left(e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{3,5}\,\xi 1_{5,8}-\xi 1_{3,6}\,\xi 1_{6,8}\right)\right)\right),\ \xi 2_{1,9}\to$$
$$e^{-\xi 1_{1,1}-\xi 1_{6,6}}\left(e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,9}+e^{\xi 1_{6,6}}\,\xi 1_{1,4}\,\xi 1_{4,9}+e^{2\,\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,6}\,\xi 1_{6,9}-e^{\xi 1_{1,1}+\xi 1_{6,6}}\,\xi 1_{1,5}\,\xi 1_{5,8}\,\xi 1_{8,9}-\right.$$
$$e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,5}\,\xi 1_{5,8}\,\xi 1_{8,9}+e^{\xi 1_{6,6}}\,\xi 1_{1,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+$$
$$\left.\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\xi 1_{1,3}\left(e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{3,9}-e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{3,5}\,\xi 1_{5,8}\,\xi 1_{8,9}+\xi 1_{3,6}\,\xi 1_{6,8}\,\xi 1_{8,9}\right)\right),$$
$$\xi 2_{1,10}\to e^{-\xi 1_{1,1}}\left(e^{\xi 1_{1,1}}\,\xi 1_{1,10}+\xi 1_{1,4}\,\xi 1_{4,10}+\left(e^{\xi 1_{1,1}}\,\xi 1_{1,5}+e^{\xi 1_{5,5}}\,(\xi 1_{1,3}+\xi 1_{1,2}\,\xi 1_{2,3})\,\xi 1_{3,5}\right)\xi 1_{5,10}+\right.$$
$$\left(e^{\xi 1_{8,8}}\,\xi 1_{1,8}+e^{\xi 1_{1,1}}\,\xi 1_{1,5}\,\xi 1_{5,8}+e^{\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,8}+\xi 1_{1,6}\,\xi 1_{6,8}+e^{\xi 1_{7,7}}\,\xi 1_{1,7}\,\xi 1_{7,8}+\right.$$
$$e^{\xi 1_{7,7}}\,\xi 1_{1,3}\,\xi 1_{3,7}\,\xi 1_{7,8}+e^{\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{1,6}\,\xi 1_{6,7}\,\xi 1_{7,8}+e^{\xi 1_{7,7}}\,\xi 1_{1,3}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,8}+$$
$$\left.\left.\xi 1_{1,2}\left(\xi 1_{2,8}+e^{\xi 1_{7,7}}\,\xi 1_{2,7}\,\xi 1_{7,8}+\xi 1_{2,3}\left(e^{\xi 1_{5,5}}\,\xi 1_{3,5}\,\xi 1_{5,8}+e^{\xi 1_{7,7}}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\right)\right)\xi 1_{8,10}+\right.$$
$$e^{\xi 1_{10,10}}\left(\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,6}\,\xi 1_{6,10}+\xi 1_{1,7}\,\xi 1_{7,10}+\xi 1_{1,2}\,\xi 1_{2,7}\,\xi 1_{7,10}+\xi 1_{1,9}\,\xi 1_{9,10}+\right.$$
$$\left.\xi 1_{1,3}\,(\xi 1_{3,6}\,\xi 1_{6,10}+\xi 1_{3,7}\,\xi 1_{7,10}+\xi 1_{3,9}\,\xi 1_{9,10})+e^{\xi 1_{6,6}}\,\xi 1_{1,6}\,(\xi 1_{6,10}+\xi 1_{6,9}\,\xi 1_{9,10})\right)-$$
$$e^{-\xi 1_{5,5}-\xi 1_{6,6}}\left(e^{\xi 1_{1,1}}\,\xi 1_{1,5}+e^{\xi 1_{5,5}}\,(\xi 1_{1,3}+\xi 1_{1,2}\,\xi 1_{2,3})\,\xi 1_{3,5}\right)$$
$$\left(e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{5,10}+\xi 1_{5,6}\left(e^{\xi 1_{6,6}+\xi 1_{10,10}}\,\xi 1_{6,10}+\left(\xi 1_{6,8}+e^{\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\xi 1_{8,10}\right)+\right.$$
$$\left.\left.e^{\xi 1_{6,6}}\left(e^{\xi 1_{10,10}}\,\xi 1_{5,9}\,\xi 1_{9,10}+\xi 1_{5,7}\left(e^{\xi 1_{10,10}}\,\xi 1_{7,10}+e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,10}+e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)\right)\right)\right),$$
$$\xi 2_{2,3}\to e^{-\xi 1_{2,2}}\,\xi 1_{2,3},\ \xi 2_{2,4}\to\xi 1_{2,4}-e^{-\xi 1_{2,2}}\,\xi 1_{2,3}\,\xi 1_{3,4},\ \xi 2_{2,5}\to\xi 1_{2,5}+\xi 1_{2,3}\,\xi 1_{3,5},$$
$$\xi 2_{2,6}\to e^{-\xi 1_{2,2}-\xi 1_{6,6}}\left(\xi 1_{2,6}-e^{\xi 1_{2,2}}\,\xi 1_{2,4}\,\xi 1_{4,6}\right),$$
$$\xi 2_{2,7}\to e^{-\xi 1_{2,2}}\,(\xi 1_{2,7}-\xi 1_{2,3}\,\xi 1_{3,7}-\xi 1_{2,5}\,\xi 1_{5,7}+\xi 1_{2,6}\,\xi 1_{6,7}),$$
$$\xi 2_{2,8}\to e^{-\xi 1_{6,6}-\xi 1_{8,8}}\left(e^{\xi 1_{6,6}}\,\xi 1_{2,8}-(\xi 1_{2,6}+\xi 1_{2,3}\,(\xi 1_{3,6}-\xi 1_{3,5}\,\xi 1_{5,6}))\,\xi 1_{6,8}\right),$$
$$\xi 2_{2,9}\to e^{-\xi 1_{2,2}-\xi 1_{6,6}}$$
$$\left(e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,9}-e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,5}\,\xi 1_{5,9}+e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,6}\,\xi 1_{6,9}-e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,9}+\right.$$
$$\left.\xi 1_{2,6}\,\xi 1_{6,8}\,\xi 1_{8,9}-\xi 1_{2,3}\left(e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{3,9}+\xi 1_{3,4}\left(e^{\xi 1_{6,6}}\,\xi 1_{4,9}+\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,9}\right)\right)\right),$$
$$\xi 2_{2,10}\to\xi 1_{2,10}+\xi 1_{2,6}\,\xi 1_{6,10}+\xi 1_{2,7}\,\xi 1_{7,10}-\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,10}+e^{-\xi 1_{6,6}-\xi 1_{10,10}}\,\xi 1_{2,6}\,\xi 1_{6,8}\,\xi 1_{8,10}+$$
$$e^{\xi 1_{7,7}-\xi 1_{10,10}}\,\xi 1_{2,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{7,7}-\xi 1_{10,10}}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+$$
$$e^{\xi 1_{7,7}-\xi 1_{10,10}}\,\xi 1_{2,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+\xi 1_{2,9}\,\xi 1_{9,10}-\xi 1_{2,5}\,\xi 1_{5,9}\,\xi 1_{9,10}+\xi 1_{2,6}\,\xi 1_{6,9}\,\xi 1_{9,10}-$$
$$\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+\xi 1_{2,3}\left(-e^{-\xi 1_{3,3}}\,\xi 1_{3,10}-\xi 1_{3,7}\,\xi 1_{7,10}-e^{\xi 1_{7,7}-\xi 1_{10,10}}\,\xi 1_{3,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-\right.$$
$$\left.e^{-\xi 1_{6,6}-\xi 1_{10,10}}\,\xi 1_{3,4}\left(e^{\xi 1_{6,6}}\,\xi 1_{4,10}+\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,10}\right)-\xi 1_{3,9}\,\xi 1_{9,10}\right),$$
$$\xi 2_{3,4}\to\xi 1_{3,4},\ \xi 2_{3,5}\to e^{\xi 1_{3,3}}\,\xi 1_{3,5},\ \xi 2_{3,6}\to\xi 1_{3,6}-\xi 1_{3,5}\,\xi 1_{5,6},$$

$$
\begin{aligned}
&\xi 2_{3,7}\to e^{\xi 1_{7,7}}\ (\xi 1_{3,7}+\xi 1_{3,6}\,\xi 1_{6,7}-\xi 1_{3,5}\ (\xi 1_{5,7}+\xi 1_{5,6}\,\xi 1_{6,7}))\,,\\
&\xi 2_{3,8}\to \xi 1_{3,8}-e^{-\xi 1_{6,6}-\xi 1_{8,8}}\ (\xi 1_{3,6}+\xi 1_{3,4}\,\xi 1_{4,6}-\xi 1_{3,5}\,\xi 1_{5,6})\ \xi 1_{6,8}\,,\\
&\xi 2_{3,9}\to e^{\xi 1_{9,9}}\,\xi 1_{3,9}+e^{-\xi 1_{6,6}}\ \left(\xi 1_{3,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\xi 1_{3,4}\ \left(e^{\xi 1_{6,6}}\,\xi 1_{4,9}+\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,9}\right)-\right.\\
&\qquad\left.\xi 1_{3,5}\ \left(e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{5,9}+e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{5,7}\,\xi 1_{7,9}+\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}\right)\right)\,,\\
&\xi 2_{3,10}\to e^{-\xi 1_{3,3}+\xi 1_{10,10}}\,\xi 1_{3,10}+e^{\xi 1_{10,10}}\,\xi 1_{3,6}\,\xi 1_{6,10}-e^{\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,10}+e^{\xi 1_{10,10}}\,\xi 1_{3,7}\,\xi 1_{7,10}-\\
&\quad e^{\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,7}\,\xi 1_{7,10}+e^{-\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,8}\,\xi 1_{8,10}-e^{-\xi 1_{6,6}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,10}+\\
&\quad e^{\xi 1_{7,7}}\,\xi 1_{3,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{7,7}}\,\xi 1_{3,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+e^{\xi 1_{7,7}}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-\\
&\quad e^{\xi 1_{7,7}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+\xi 1_{3,4}\ \left(\xi 1_{4,10}+e^{-\xi 1_{6,6}}\,\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,10}\right)+\\
&\quad e^{\xi 1_{10,10}}\,\xi 1_{3,9}\,\xi 1_{9,10}-e^{\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,9}\,\xi 1_{9,10}-e^{\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,7}\,\xi 1_{7,9}\,\xi 1_{9,10}\,,\\
&\xi 2_{4,5}\to e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,,\ \xi 2_{4,6}\to \xi 1_{4,6}\,,\ \xi 2_{4,7}\to e^{\xi 1_{4,4}}\ (\xi 1_{4,7}-\xi 1_{4,5}\,\xi 1_{5,7})\,,\\
&\xi 2_{4,8}\to e^{\xi 1_{4,4}-\xi 1_{6,6}-\xi 1_{8,8}}\ \left(e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{4,8}-\xi 1_{4,6}\,\xi 1_{6,8}+\xi 1_{4,5}\ \left(e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{5,8}-\xi 1_{5,6}\,\xi 1_{6,8}\right)\right)\,,\\
&\xi 2_{4,9}\to \xi 1_{4,9}+e^{-\xi 1_{6,6}}\ \left(\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\right.\\
&\qquad\left.\xi 1_{4,5}\ \left(e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{5,9}+e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{5,7}\,\xi 1_{7,9}-e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{5,8}\,\xi 1_{8,9}+\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}\right)\right)\,,\\
&\xi 2_{4,10}\to e^{\xi 1_{4,4}}\ \left(\xi 1_{4,10}+e^{-\xi 1_{6,6}}\,\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,10}\right)\,,\ \xi 2_{5,6}\to e^{-\xi 1_{5,5}-\xi 1_{6,6}}\,\xi 1_{5,6}\,,\\
&\xi 2_{5,7}\to e^{-\xi 1_{5,5}}\ (\xi 1_{5,7}+\xi 1_{5,6}\,\xi 1_{6,7})\,,\\
&\xi 2_{5,8}\to e^{-\xi 1_{8,8}}\ \left(\xi 1_{5,8}-e^{-\xi 1_{5,5}-\xi 1_{6,6}}\,\xi 1_{5,6}\,\xi 1_{6,8}\right)\,,\\
&\xi 2_{5,9}\to e^{-\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{5,9}+e^{-\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{5,7}\,\xi 1_{7,9}+\left(-\xi 1_{5,8}+e^{-\xi 1_{5,5}-\xi 1_{6,6}}\,\xi 1_{5,6}\,\xi 1_{6,8}\right)\,\xi 1_{8,9}\,,\\
&\xi 2_{5,10}\to \xi 1_{5,10}+e^{-\xi 1_{5,5}-\xi 1_{6,6}}\ \left(\xi 1_{5,6}\ \left(e^{\xi 1_{6,6}+\xi 1_{10,10}}\,\xi 1_{6,10}+\left(\xi 1_{6,8}+e^{\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\,\xi 1_{8,10}\right)+\right.\\
&\qquad\left.e^{\xi 1_{6,6}}\ \left(e^{\xi 1_{10,10}}\,\xi 1_{5,9}\,\xi 1_{9,10}+\xi 1_{5,7}\ \left(e^{\xi 1_{10,10}}\,\xi 1_{7,10}+e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,10}+e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)\right)\right)\,,\\
&\xi 2_{6,7}\to e^{\xi 1_{6,6}}\,\xi 1_{6,7}\,,\ \xi 2_{6,8}\to e^{-\xi 1_{6,6}}\,\xi 1_{6,8}\,,\ \xi 2_{6,9}\to e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{6,9}-e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{6,7}\,\xi 1_{7,9}+\xi 1_{6,8}\,\xi 1_{8,9}\,,\\
&\xi 2_{6,10}\to e^{\xi 1_{6,6}}\,\xi 1_{6,10}+e^{-\xi 1_{10,10}}\,\xi 1_{6,8}\,\xi 1_{8,10}+e^{\xi 1_{6,6}}\,\xi 1_{6,9}\,\xi 1_{9,10}-e^{\xi 1_{6,6}}\,\xi 1_{6,7}\ (\xi 1_{7,10}+\xi 1_{7,9}\,\xi 1_{9,10})\,,\\
&\xi 2_{7,8}\to \xi 1_{7,8}\,,\ \xi 2_{7,9}\to e^{\xi 1_{9,9}}\,\xi 1_{7,9}\,,\\
&\xi 2_{7,10}\to e^{\xi 1_{10,10}}\,\xi 1_{7,10}+e^{\xi 1_{7,7}}\,\xi 1_{7,8}\,\xi 1_{8,10}+e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\,,\\
&\xi 2_{8,9}\to \xi 1_{8,9}\,,\ \xi 2_{8,10}\to e^{\xi 1_{8,8}}\,\xi 1_{8,10}\,,\ \xi 2_{9,10}\to e^{-\xi 1_{9,9}}\,\xi 1_{9,10}\Big\}\Big\}\,,\\
&\Big\{\mathrm{BC}_{\{x_{1,2},x_{5,6},x_{5,9},x_{3,6},x_{3,8},x_{3,9},x_{8,10},x_{7,7},x_{9,10},x_{1,3},x_{7,9},x_{5,10},x_{3,5},x_{3,3},x_{2,4},x_{2,10},x_{6,6},x_{7,10},x_{2,9},x_{5,7},x_{4,7},x_{1,7},x_{8,8},x_{2,3},x_{1,9},x_{2,2},x_{6,10},x_{4,8}}\\
&\ ,\ \Big\{\xi 2_{1,1}\to \xi 1_{1,1}\,,\ \xi 2_{2,2}\to \xi 1_{2,2}\,,\ \xi 2_{3,3}\to \xi 1_{3,3}\,,\ \xi 2_{4,4}\to \xi 1_{4,4}\,,\ \xi 2_{5,5}\to \xi 1_{5,5}\,,\ \xi 2_{6,6}\to \xi 1_{6,6}\,,\\
&\quad \xi 2_{7,7}\to \xi 1_{7,7}\,,\ \xi 2_{8,8}\to \xi 1_{8,8}\,,\ \xi 2_{9,9}\to \xi 1_{9,9}\,,\ \xi 2_{10,10}\to \xi 1_{10,10}\,,\ \xi 2_{1,2}\to e^{-\xi 1_{1,1}+\xi 1_{2,2}}\,\xi 1_{1,2}\,,\\
&\quad \xi 2_{1,3}\to e^{\xi 1_{3,3}}\,\xi 1_{1,3}+\xi 1_{1,2}\,\xi 1_{2,3}\,,\ \xi 2_{1,4}\to e^{-\xi 1_{4,4}}\,\xi 1_{1,4}+e^{\xi 1_{3,3}}\,\xi 1_{1,3}\,\xi 1_{3,4}+\xi 1_{1,2}\ (\xi 1_{2,4}+\xi 1_{2,3}\,\xi 1_{3,4})\,,\\
&\quad \xi 2_{1,5}\to e^{\xi 1_{5,5}}\,\xi 1_{1,5}+e^{\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,5}+\xi 1_{1,4}\,\xi 1_{4,5}+e^{\xi 1_{3,3}+\xi 1_{4,4}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}+\\
&\qquad \xi 1_{1,2}\ \left(e^{\xi 1_{2,2}+\xi 1_{5,5}}\,\xi 1_{2,5}+e^{\xi 1_{4,4}}\ (\xi 1_{2,4}+\xi 1_{2,3}\,\xi 1_{3,4})\,\xi 1_{4,5}\right)\,,\\
&\quad \xi 2_{1,6}\to e^{-\xi 1_{6,6}}\,\xi 1_{1,6}+e^{\xi 1_{3,3}-\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,6}-\xi 1_{1,5}\,\xi 1_{5,6}-\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,6}-\\
&\qquad e^{-\xi 1_{5,5}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}-e^{\xi 1_{3,3}+\xi 1_{4,4}-\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}+\\
&\qquad \xi 1_{1,2}\ \left(e^{\xi 1_{2,2}-\xi 1_{6,6}}\,\xi 1_{2,6}+e^{-\xi 1_{6,6}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,6}-e^{\xi 1_{2,2}}\,\xi 1_{2,5}\,\xi 1_{5,6}-\right.\\
&\qquad\quad \left.e^{\xi 1_{4,4}-\xi 1_{5,5}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}+\xi 1_{2,4}\ \left(e^{-\xi 1_{6,6}}\,\xi 1_{4,6}-e^{\xi 1_{4,4}-\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,6}\right)\right)\,,\ \xi 2_{1,7}\to\\
&\quad e^{-\xi 1_{5,5}-\xi 1_{7,7}}\ \left(e^{\xi 1_{5,5}}\,\xi 1_{1,7}+e^{\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,7}+e^{\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,7}+e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}+\right.\\
&\qquad e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}+e^{\xi 1_{6,6}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}+e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\\
&\qquad\quad \xi 1_{5,6}\,\xi 1_{6,7}+\xi 1_{1,2}\ \left(e^{\xi 1_{2,2}+\xi 1_{5,5}}\,\xi 1_{2,7}+e^{\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,7}+e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,7}+\right.\\
&\qquad\qquad \left.\left.e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}+\xi 1_{2,3}\ \left(e^{\xi 1_{5,5}}\,\xi 1_{3,7}+e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\right)\right)\right)\,,\\
&\quad \xi 2_{1,8}\to e^{-\xi 1_{5,5}}\ \left(e^{\xi 1_{5,5}}\,\xi 1_{1,8}-\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,8}-e^{\xi 1_{3,3}+\xi 1_{4,4}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,8}-\right.\\
&\qquad e^{\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,7}\,\xi 1_{7,8}+\xi 1_{1,2}\ \left(e^{\xi 1_{2,2}+\xi 1_{5,5}}\,\xi 1_{2,8}+\xi 1_{2,4}\ \left(e^{\xi 1_{5,5}}\,\xi 1_{4,8}-e^{\xi 1_{4,4}}\,\xi 1_{4,5}\,\xi 1_{5,8}\right)-\right.\\
&\qquad\quad \left.\left.\xi 1_{2,3}\ \left(e^{\xi 1_{4,4}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,8}+e^{\xi 1_{5,5}}\,\xi 1_{3,7}\,\xi 1_{7,8}\right)\right)\right)\,,\\
&\quad \xi 2_{1,9}\to e^{-\xi 1_{5,5}-\xi 1_{9,9}}\ \left(e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{1,9}+e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,9}+e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,9}+\right.\\
&\qquad e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,9}+e^{\xi 1_{6,6}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,9}+
\end{aligned}
$$

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\begin{aligned}
&e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,9}-e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{1,7}\,\xi 1_{7,9}-\\
&e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{1,3}\,\xi 1_{3,7}\,\xi 1_{7,9}-e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,7}\,\xi 1_{7,9}-\\
&e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-\\
&e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-\\
&e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}-e^{\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}-\\
&e^{\xi 1_{6,6}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}-e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\\
&\xi 1_{1,2}\,\Big(e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,9}+e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,9}+e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,9}+\\
&\quad e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,9}-e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,7}\,\xi 1_{7,9}-\\
&\quad e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,7}\,\xi 1_{7,9}-e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-\\
&\quad e^{\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}-\\
&\quad e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\xi 1_{2,4}\,\Big(e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,9}-e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,7}\,\xi 1_{7,9}+\\
&\qquad e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\Big(\xi 1_{6,9}-e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,\xi 1_{7,9}-\xi 1_{6,8}\,\xi 1_{8,9}\Big)\Big)\Big)\Big),\\
\xi 2_{1,10}\to{}&\xi 1_{1,10}+e^{\xi 1_{3,3}}\,\xi 1_{1,3}\,\xi 1_{3,10}-e^{\xi 1_{10,10}}\,\xi 1_{1,5}\,\xi 1_{5,10}-e^{\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,10}-\\
&e^{-\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,10}-e^{\xi 1_{3,3}+\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,10}-\\
&e^{\xi 1_{10,10}}\,\xi 1_{1,6}\,\xi 1_{6,10}-e^{\xi 1_{3,3}+\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,10}-\\
&e^{\xi 1_{10,10}}\,\xi 1_{1,7}\,\xi 1_{7,10}-e^{\xi 1_{3,3}+\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,7}\,\xi 1_{7,10}+\\
&e^{\xi 1_{10,10}}\,\xi 1_{1,5}\,\xi 1_{5,7}\,\xi 1_{7,10}+e^{-\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,10}+\\
&e^{\xi 1_{3,3}+\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,10}-\\
&e^{\xi 1_{10,10}}\,\xi 1_{1,9}\,\xi 1_{9,10}-e^{\xi 1_{3,3}+\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,9}\,\xi 1_{9,10}+\\
&e^{\xi 1_{10,10}}\,\xi 1_{1,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+e^{\xi 1_{3,3}+\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-\\
&e^{\xi 1_{10,10}}\,\xi 1_{1,5}\,\xi 1_{5,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-e^{-\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-\\
&e^{\xi 1_{3,3}+\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+\\
&e^{-\xi 1_{5,5}}\,\xi 1_{1,2}\,\Big(e^{\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,10}+e^{\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,10}-e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,5}\,\xi 1_{5,10}-\\
&\quad e^{\xi 1_{4,4}+\xi 1_{10,10}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,10}-e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,6}\,\xi 1_{6,10}-e^{\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,10}-\\
&\quad e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,7}\,\xi 1_{7,10}-e^{\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,4}\,\xi 1_{4,7}\,\xi 1_{7,10}+e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,10}+\\
&\quad e^{\xi 1_{4,4}+\xi 1_{10,10}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,10}-e^{\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,9}\,\xi 1_{9,10}-e^{\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,4}\,\xi 1_{4,9}\,\xi 1_{9,10}+\\
&\quad e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+e^{\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,4}\,\xi 1_{4,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-\\
&\quad e^{\xi 1_{2,2}+\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-e^{\xi 1_{4,4}+\xi 1_{10,10}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+\\
&\quad \xi 1_{2,3}\,\Big(e^{\xi 1_{5,5}}\,\xi 1_{3,10}-e^{\xi 1_{10,10}}\,\Big(e^{\xi 1_{5,5}}\,\xi 1_{3,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})+\xi 1_{3,4}\,\Big(e^{\xi 1_{5,5}}\,(\xi 1_{4,6}\,\xi 1_{6,10}+\\
&\qquad \xi 1_{4,9}\,\xi 1_{9,10})+e^{\xi 1_{4,4}}\,\xi 1_{4,5}\,(\xi 1_{5,10}+\xi 1_{5,7}\,(-\xi 1_{7,10}+\xi 1_{7,9}\,\xi 1_{9,10}))\Big)\Big)\Big)\Big),\\
\xi 2_{2,3}\to{}&e^{-\xi 1_{2,2}}\,\xi 1_{2,3},\ \xi 2_{2,4}\to e^{-\xi 1_{2,2}}\,(\xi 1_{2,4}+\xi 1_{2,3}\,\xi 1_{3,4}),\ \xi 2_{2,5}\to e^{\xi 1_{5,5}}\\
&\Big(\xi 1_{2,5}-e^{-\xi 1_{2,2}-\xi 1_{3,3}}\,\xi 1_{2,3}\,\xi 1_{3,5}\Big),\\
\xi 2_{2,6}\to{}&\xi 1_{2,6}+e^{-\xi 1_{2,2}}\,\Big(-e^{\xi 1_{2,2}+\xi 1_{6,6}}\,\xi 1_{2,5}\,\xi 1_{5,6}-e^{-\xi 1_{3,3}+\xi 1_{6,6}}\,\xi 1_{2,3}\,(\xi 1_{3,6}-\xi 1_{3,5}\,\xi 1_{5,6})+\\
&\quad \xi 1_{2,4}\,\Big(\xi 1_{4,6}-e^{\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{4,5}\,\xi 1_{5,6}\Big)\Big),\\
\xi 2_{2,7}\to{}&\xi 1_{2,7}+e^{-\xi 1_{2,2}}\,\Big(\Big(e^{\xi 1_{2,2}}\,\xi 1_{2,6}+\xi 1_{2,4}\,\Big(\xi 1_{4,6}-e^{\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{4,5}\,\xi 1_{5,6}\Big)\Big)\,\xi 1_{6,7}-\\
&\quad e^{-\xi 1_{3,3}}\,\xi 1_{2,3}\,\Big(\xi 1_{3,5}\,\xi 1_{5,7}+e^{\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,7}\Big)\Big),\\
\xi 2_{2,8}\to{}&\xi 1_{2,8}+\xi 1_{2,6}\,\xi 1_{6,8}+e^{-\xi 1_{2,2}-\xi 1_{5,5}}\,\xi 1_{2,4}\,\Big(e^{\xi 1_{5,5}}\,\xi 1_{4,6}-e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{4,5}\,\xi 1_{5,6}\Big)\,\xi 1_{6,8}+\\
&\xi 1_{2,7}\,\xi 1_{7,8}-e^{\xi 1_{6,6}}\,\xi 1_{2,5}\,\xi 1_{5,6}\,(\xi 1_{6,8}-\xi 1_{6,7}\,\xi 1_{7,8})-\\
&e^{-\xi 1_{2,2}-\xi 1_{3,3}}\,\xi 1_{2,3}\,\Big(e^{\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,8}+e^{\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,8}+e^{\xi 1_{3,3}}\,\xi 1_{3,7}\,\xi 1_{7,8}+\\
&\quad \xi 1_{3,5}\,\Big(-\xi 1_{5,8}+\xi 1_{5,7}\,\xi 1_{7,8}-2\,e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,(\xi 1_{6,8}-\xi 1_{6,7}\,\xi 1_{7,8})\Big)\Big),\\
\xi 2_{2,9}\to{}&e^{-\xi 1_{2,2}-\xi 1_{3,3}-\xi 1_{5,5}}\,\Big(e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,9}+e^{\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,9}+\\
&\quad e^{\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,9}-e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,9}-\\
&\quad e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,9}-e^{\xi 1_{2,2}+\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,7}\,\xi 1_{7,9}-
\end{aligned}
$$

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\begin{aligned}
&e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,7}\,\xi 1_{7,9}+e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,9}+\\
&e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-\\
&e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}+e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-\\
&e^{\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,9}-e^{\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\\
&e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+e^{\xi 1_{3,3}+\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{2,3}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\\
&e^{\xi 1_{2,2}+\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{2,6}\left(\xi 1_{6,9}-e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,\xi 1_{7,9}-\xi 1_{6,8}\,\xi 1_{8,9}\right),\\
\xi 2_{2,10}\to\;&e^{-\xi 1_{2,2}-\xi 1_{3,3}-\xi 1_{5,5}-\xi 1_{9,9}-\xi 1_{10,10}}\left(e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{2,10}+\right.\\
&\xi 1_{2,3}\left(e^{\xi 1_{3,3}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{3,10}-e^{\xi 1_{10,10}}\left(e^{\xi 1_{5,5}+\xi 1_{9,9}}\left(e^{\xi 1_{3,3}}\,\xi 1_{3,7}-e^{\xi 1_{6,6}}\,(\xi 1_{3,6}-\xi 1_{3,5}\,\xi 1_{5,6})\,\xi 1_{6,7}\right)\right.\right.\\
&(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})+e^{\xi 1_{3,3}}\,\xi 1_{3,4}\left(e^{\xi 1_{5,5}}\left(\left(e^{\xi 1_{9,9}}\,\xi 1_{4,9}+\xi 1_{4,6}\,(\xi 1_{6,9}-\xi 1_{6,8}\,\xi 1_{8,9})\right)\right.\right.\\
&\xi 1_{9,10}-e^{\xi 1_{9,9}}\,\xi 1_{4,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})\Big)+e^{\xi 1_{4,4}}\,\xi 1_{4,5}\\
&\left(e^{\xi 1_{9,9}}\,\xi 1_{5,10}-e^{\xi 1_{9,9}}\,\xi 1_{5,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})+e^{\xi 1_{6,6}}\,\xi 1_{5,6}\left(e^{\xi 1_{9,9}}\,\xi 1_{6,10}+\right.\right.\\
&\left.\left.\left.(-\xi 1_{6,9}+\xi 1_{6,8}\,\xi 1_{8,9})\,\xi 1_{9,10}-e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})\right)\right)\Big)\Big)\Big)+\\
&e^{\xi 1_{3,3}}\left(-e^{\xi 1_{5,5}+\xi 1_{10,10}}\left(e^{\xi 1_{2,2}+\xi 1_{9,9}}\,\xi 1_{2,7}\,\xi 1_{7,10}+e^{\xi 1_{2,2}+\xi 1_{9,9}}\,\xi 1_{2,6}\,\xi 1_{6,7}\,\xi 1_{7,10}+\right.\right.\\
&e^{\xi 1_{9,9}}\,\xi 1_{2,9}\,\xi 1_{9,10}+e^{\xi 1_{2,2}}\,\xi 1_{2,6}\,\xi 1_{6,9}\,\xi 1_{9,10}-e^{\xi 1_{2,2}+\xi 1_{9,9}}\,\xi 1_{2,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-\\
&e^{\xi 1_{2,2}+\xi 1_{9,9}}\,\xi 1_{2,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-e^{\xi 1_{2,2}}\,\xi 1_{2,6}\,\xi 1_{6,8}\,\xi 1_{8,9}\,\xi 1_{9,10}+\\
&e^{\xi 1_{2,2}}\,\xi 1_{2,5}\left(e^{\xi 1_{9,9}}\,\xi 1_{5,10}-e^{\xi 1_{9,9}}\,\xi 1_{5,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})+e^{\xi 1_{6,6}}\,\xi 1_{5,6}\right.\\
&\left.\left.\left(e^{\xi 1_{9,9}}\,\xi 1_{6,10}+(-\xi 1_{6,9}+\xi 1_{6,8}\,\xi 1_{8,9})\,\xi 1_{9,10}-e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})\right)\right)\right)+\\
&\xi 1_{2,4}\left(e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,10}-e^{\xi 1_{10,10}}\left(e^{\xi 1_{4,4}}\,\xi 1_{4,5}\left(e^{\xi 1_{9,9}}\,\xi 1_{5,10}-e^{\xi 1_{9,9}}\,\xi 1_{5,7}\right.\right.\right.\\
&(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})+e^{\xi 1_{6,6}}\,\xi 1_{5,6}\left(e^{\xi 1_{9,9}}\,\xi 1_{6,10}+(-\xi 1_{6,9}+\xi 1_{6,8}\,\xi 1_{8,9})\,\xi 1_{9,10}-\right.\\
&\left.\left.2\,e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})\right)\right)+e^{\xi 1_{5,5}}\left(e^{\xi 1_{9,9}}\,\xi 1_{4,9}\,\xi 1_{9,10}+\\
&\left.\left.\left.\xi 1_{4,6}\left((\xi 1_{6,9}-\xi 1_{6,8}\,\xi 1_{8,9})\,\xi 1_{9,10}+e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})\right)\right)\right)\right)\right),\\
\xi 2_{3,4}\to\;&e^{\xi 1_{3,3}}\,\xi 1_{3,4},\ \xi 2_{3,5}\to e^{-\xi 1_{3,3}+\xi 1_{5,5}}\,\xi 1_{3,5},\ \xi 2_{3,6}\to e^{-\xi 1_{3,3}+\xi 1_{6,6}}\,\xi 1_{3,6}-e^{-\xi 1_{3,3}+\xi 1_{6,6}}\,\xi 1_{3,5}\,\xi 1_{5,6}+\\
&\xi 1_{3,4}\left(\xi 1_{4,6}-e^{\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{6,6}}\,\xi 1_{4,5}\,\xi 1_{5,6}\right),\\
\xi 2_{3,7}\to\;&\xi 1_{3,7}-\xi 1_{3,4}\,\xi 1_{4,7}+e^{-\xi 1_{3,3}}\,\xi 1_{3,5}\left(\xi 1_{5,7}+e^{\xi 1_{6,6}}\,\xi 1_{5,6}\,\xi 1_{6,7}\right),\\
\xi 2_{3,8}\to\;&\\
&e^{-\xi 1_{8,8}}\left(e^{\xi 1_{8,8}}\,\xi 1_{3,8}-e^{\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,8}+\xi 1_{3,5}\,\xi 1_{5,8}+\right.\\
&\left.e^{\xi 1_{6,6}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,8}-e^{\xi 1_{3,3}}\,\xi 1_{3,7}\,\xi 1_{7,8}-e^{\xi 1_{6,6}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\right),\\
\xi 2_{3,9}\to\;&e^{-\xi 1_{3,3}}\,\xi 1_{3,9}+e^{-\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,9}-e^{\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,9}-\\
&\xi 1_{3,7}\,\xi 1_{7,9}+\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,9}-e^{-\xi 1_{3,3}}\,\xi 1_{3,5}\,\xi 1_{5,7}\,\xi 1_{7,9}-\\
&e^{-\xi 1_{3,3}+\xi 1_{6,6}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-\\
&e^{-\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\\
&e^{\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,8}\,\xi 1_{8,9}+\\
&e^{-\xi 1_{3,3}+\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{3,6}\,(\xi 1_{6,9}-\xi 1_{6,8}\,\xi 1_{8,9}),\\
\xi 2_{3,10}\to\;&e^{\xi 1_{3,3}-\xi 1_{10,10}}\,\xi 1_{3,10}-e^{\xi 1_{3,3}-\xi 1_{10,10}}\,\xi 1_{3,4}\,\xi 1_{4,10}-\\
&e^{\xi 1_{3,3}-\xi 1_{8,8}}\,\xi 1_{3,7}\left(e^{\xi 1_{8,8}}\,\xi 1_{7,10}-\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)+\\
&e^{\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{3,6}\left(e^{\xi 1_{9,9}}\,\xi 1_{6,10}+(-\xi 1_{6,9}+\xi 1_{6,8}\,\xi 1_{8,9})\,\xi 1_{9,10}\right)+\\
&e^{\xi 1_{3,3}}\,\xi 1_{3,4}\left(e^{-\xi 1_{8,8}}\,\xi 1_{4,8}\,\xi 1_{8,10}+\xi 1_{4,7}\,(\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10})-\right.\\
&e^{\xi 1_{4,4}-\xi 1_{5,5}+\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{4,5}\,\xi 1_{5,6}\left(e^{\xi 1_{9,9}}\,\xi 1_{6,10}+(-\xi 1_{6,9}+\xi 1_{6,8}\,\xi 1_{8,9})\,\xi 1_{9,10}\right)+\\
&\left.\xi 1_{4,6}\left(\xi 1_{6,10}+e^{-\xi 1_{9,9}}\,(-\xi 1_{6,9}+\xi 1_{6,8}\,\xi 1_{8,9})\,\xi 1_{9,10}\right)\right)-\\
&e^{-\xi 1_{8,8}-\xi 1_{9,9}}\,\xi 1_{3,5}\left(e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{5,10}+e^{\xi 1_{9,9}}\,\xi 1_{5,8}\,\xi 1_{8,10}+e^{\xi 1_{6,6}}\,\xi 1_{5,6}\left(e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{6,10}-\right.\right.\\
&\left.\left.e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{8,8}}\,\xi 1_{6,9}\,\xi 1_{9,10}+\xi 1_{6,8}\left(e^{\xi 1_{9,9}}\,\xi 1_{8,10}+e^{\xi 1_{8,8}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right),\\
\xi 2_{4,5}\to\;&e^{\xi 1_{4,4}}\,\xi 1_{4,5},\ \xi 2_{4,6}\to e^{-\xi 1_{6,6}}\,\xi 1_{4,6}-e^{\xi 1_{4,4}-\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,6},\\
\xi 2_{4,7}\to\;&
\end{aligned}
$$

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  ξ1_{4,7} + e^{ξ1_{4,4}-ξ1_{5,5}+ξ1_{6,6}} ξ1_{4,5} ξ1_{5,6} ξ1_{6,7},
 ξ2_{4,8} → ξ1_{4,8} + e^{ξ1_{4,4}-ξ1_{5,5}+ξ1_{6,6}} ξ1_{4,5} ξ1_{5,6} ξ1_{6,8} + ξ1_{4,7} ξ1_{7,8},
 ξ2_{4,9} →
  e^{ξ1_{9,9}} ξ1_{4,9} + e^{ξ1_{4,4}-ξ1_{5,5}+ξ1_{6,6}} ξ1_{4,5} ξ1_{5,6} (ξ1_{6,9} - ξ1_{6,8} ξ1_{8,9}),
 ξ2_{4,10} → ξ1_{4,10} - e^{-ξ1_{5,5}+ξ1_{10,10}} (e^{ξ1_{5,5}} (ξ1_{4,6} ξ1_{6,10} + ξ1_{4,9} ξ1_{9,10}) +
       e^{ξ1_{4,4}} ξ1_{4,5} (ξ1_{5,10} - (ξ1_{5,7} + e^{ξ1_{6,6}} ξ1_{5,6} ξ1_{6,7}) (ξ1_{7,10} - ξ1_{7,9} ξ1_{9,10}))),
 ξ2_{5,6} → e^{-ξ1_{5,5}+ξ1_{6,6}} ξ1_{5,6}, ξ2_{5,7} → e^{-ξ1_{7,7}} (ξ1_{5,7} + e^{ξ1_{6,6}} ξ1_{5,6} ξ1_{6,7}),
 ξ2_{5,8} →
  e^{-ξ1_{5,5}} (ξ1_{5,8} + e^{ξ1_{6,6}} ξ1_{5,6} (ξ1_{6,8} - ξ1_{6,7} ξ1_{7,8})),
 ξ2_{5,9} → ξ1_{5,9} - ξ1_{5,7} ξ1_{7,9} + e^{ξ1_{6,6}-ξ1_{9,9}} ξ1_{5,6} (ξ1_{6,9} - e^{ξ1_{9,9}} ξ1_{6,7} ξ1_{7,9} - ξ1_{6,8} ξ1_{8,9}),
 ξ2_{5,10} →
  e^{-ξ1_{5,5}-ξ1_{9,9}+ξ1_{10,10}} (e^{ξ1_{9,9}} ξ1_{5,10} - e^{ξ1_{9,9}} ξ1_{5,7} (ξ1_{7,10} - ξ1_{7,9} ξ1_{9,10}) +
      e^{ξ1_{6,6}} ξ1_{5,6} (e^{ξ1_{9,9}} ξ1_{6,10} + (-ξ1_{6,9} + ξ1_{6,8} ξ1_{8,9}) ξ1_{9,10} - e^{ξ1_{9,9}} ξ1_{6,7} (ξ1_{7,10} - ξ1_{7,9} ξ1_{9,10}))),
 ξ2_{6,7} → ξ1_{6,7}, ξ2_{6,8} → e^{-ξ1_{8,8}} ξ1_{6,8}, ξ2_{6,9} → e^{ξ1_{6,6}-ξ1_{9,9}} (ξ1_{6,9} - ξ1_{6,8} ξ1_{8,9}),
 ξ2_{6,10} →
  e^{ξ1_{6,6}} (ξ1_{6,10} + e^{-ξ1_{9,9}} (-ξ1_{6,9} + ξ1_{6,8} ξ1_{8,9}) ξ1_{9,10}),
 ξ2_{7,8} → e^{-ξ1_{8,8}} ξ1_{7,8}, ξ2_{7,9} → e^{ξ1_{9,9}} ξ1_{7,9},
 ξ2_{7,10} →
  e^{ξ1_{10,10}} (ξ1_{7,10} - ξ1_{7,9} ξ1_{9,10}),
 ξ2_{8,9} → ξ1_{8,9}, ξ2_{8,10} → ξ1_{8,10},
 ξ2_{9,10} →
  e^{-ξ1_{9,9}+ξ1_{10,10}} ξ1_{9,10}}},
{BC{x_{10,10},x_{2,8},x_{6,6},x_{2,4},x_{1,8},x_{1,10},x_{9,10},x_{2,9},x_{6,9},x_{3,4},x_{7,7},x_{2,6},x_{1,4},x_{2,3},x_{1,7},x_{5,6},x_{5,5},x_{7,10},x_{7,8},x_{8,8},x_{4,7},x_{6,7},x_{4,10},x_{8,9},x_{4,4},x_{8,10},x_{3,7},x_{4},
 , {ξ2_{1,1} → ξ1_{1,1}, ξ2_{2,2} → ξ1_{2,2}, ξ2_{3,3} → ξ1_{3,3}, ξ2_{4,4} → ξ1_{4,4},
  ξ2_{5,5} → ξ1_{5,5}, ξ2_{6,6} → ξ1_{6,6}, ξ2_{7,7} → ξ1_{7,7}, ξ2_{8,8} → ξ1_{8,8}, ξ2_{9,9} → ξ1_{9,9},
  ξ2_{10,10} → ξ1_{10,10}, ξ2_{1,2} → e^{ξ1_{1,1}+ξ1_{2,2}} ξ1_{1,2}, ξ2_{1,3} → ξ1_{1,3} - e^{ξ1_{3,3}} ξ1_{1,2} ξ1_{2,3},
  ξ2_{1,4} → ξ1_{1,4} + e^{ξ1_{1,1}-ξ1_{3,3}} (-ξ1_{1,3} + e^{ξ1_{3,3}} ξ1_{1,2} ξ1_{2,3}) ξ1_{3,4}, ξ2_{1,5} → e^{-ξ1_{1,1}} ξ1_{1,5},
  ξ2_{1,6} → e^{-ξ1_{6,6}} (ξ1_{1,6} + e^{-ξ1_{3,3}+ξ1_{4,4}} ξ1_{1,3} ξ1_{3,4} ξ1_{4,6} - e^{-ξ1_{1,1}-ξ1_{5,5}} ξ1_{1,5} ξ1_{5,6} - e^{-ξ1_{5,5}} ξ1_{1,3} ξ1_{3,5} ξ1_{5,6} +
      ξ1_{1,2} (-ξ1_{2,6} + ξ1_{2,3} (-e^{ξ1_{3,3}} ξ1_{3,6} - e^{ξ1_{4,4}} ξ1_{3,4} ξ1_{4,6} + e^{ξ1_{3,3}-ξ1_{5,5}} ξ1_{3,5} ξ1_{5,6}))),
  ξ2_{1,7} → ξ1_{1,7} + ξ1_{1,5} ξ1_{5,7} - e^{ξ1_{1,1}} ξ1_{1,6} ξ1_{6,7} + e^{ξ1_{1,1}-ξ1_{3,3}} ξ1_{1,3} (-ξ1_{3,7} + e^{ξ1_{3,3}} ξ1_{3,6} ξ1_{6,7}),
  ξ2_{1,8} → e^{ξ1_{8,8}} ξ1_{1,8} + ξ1_{1,5} ξ1_{5,8} - e^{ξ1_{1,1}} ξ1_{1,6} ξ1_{6,8} +
    e^{ξ1_{1,1}-ξ1_{3,3}+ξ1_{4,4}} ξ1_{1,3} ξ1_{3,4} (ξ1_{4,8} + ξ1_{4,5} ξ1_{5,8} - ξ1_{4,6} ξ1_{6,8}) -
    e^{ξ1_{1,1}+ξ1_{4,4}} ξ1_{1,2} ξ1_{2,3} ξ1_{3,4} (ξ1_{4,8} + ξ1_{4,5} ξ1_{5,8} - ξ1_{4,6} ξ1_{6,8}) + e^{ξ1_{8,8}} ξ1_{1,7} ξ1_{7,8},
  ξ2_{1,9} → e^{-ξ1_{9,9}} ξ1_{1,9} - ξ1_{1,2} ξ1_{2,9} + e^{-ξ1_{1,1}+ξ1_{4,4}} ξ1_{1,4} ξ1_{4,9} - e^{-ξ1_{9,9}} ξ1_{1,3} ξ1_{3,5} ξ1_{5,9} -
    ξ1_{1,6} ξ1_{6,9} + ξ1_{1,2} ξ1_{2,6} ξ1_{6,9} - e^{-ξ1_{1,1}+ξ1_{4,4}} ξ1_{1,4} ξ1_{4,6} ξ1_{6,9} + e^{-ξ1_{1,1}-ξ1_{5,5}} ξ1_{1,5} ξ1_{5,6} ξ1_{6,9} +
    e^{-ξ1_{5,5}} ξ1_{1,3} ξ1_{3,5} ξ1_{5,6} ξ1_{6,9} + e^{-ξ1_{3,3}-ξ1_{9,9}} ξ1_{1,3} ξ1_{3,7} ξ1_{7,9} + e^{-ξ1_{3,3}-ξ1_{9,9}} ξ1_{1,3} ξ1_{3,4} ξ1_{4,7} ξ1_{7,9} +
    e^{-ξ1_{9,9}} ξ1_{1,3} ξ1_{3,5} ξ1_{5,7} ξ1_{7,9} + e^{-ξ1_{3,3}+ξ1_{4,4}-ξ1_{9,9}} ξ1_{1,3} ξ1_{3,4} ξ1_{4,5} ξ1_{5,7} ξ1_{7,9} -
    e^{-ξ1_{9,9}} ξ1_{1,3} ξ1_{3,6} ξ1_{6,7} ξ1_{7,9} - e^{-ξ1_{3,3}+ξ1_{4,4}-ξ1_{9,9}} ξ1_{1,3} ξ1_{3,4} ξ1_{4,6} ξ1_{6,7} ξ1_{7,9} - e^{-ξ1_{1,1}+ξ1_{4,4}-ξ1_{5,5}-ξ1_{9,9}}
     ξ1_{1,4} ξ1_{4,5} ξ1_{5,6} ξ1_{6,7} ξ1_{7,9} - e^{-ξ1_{1,1}+ξ1_{4,4}} ξ1_{1,4} ξ1_{4,8} ξ1_{8,9} + ξ1_{1,3} ξ1_{3,5} ξ1_{5,8} ξ1_{8,9} +
    ξ1_{1,6} ξ1_{6,8} ξ1_{8,9} + e^{-ξ1_{1,1}+ξ1_{4,4}} ξ1_{1,4} ξ1_{4,6} ξ1_{6,8} ξ1_{8,9} - e^{-ξ1_{5,5}-ξ1_{9,9}} ξ1_{1,2} ξ1_{2,3} (e^{ξ1_{3,3}+ξ1_{5,5}} ξ1_{3,9} -
      e^{ξ1_{3,3}} ξ1_{3,5} (e^{ξ1_{5,5}} ξ1_{5,9} - e^{ξ1_{9,9}} ξ1_{5,6} ξ1_{6,9} - e^{ξ1_{5,5}} (ξ1_{5,7} ξ1_{7,9} + e^{ξ1_{9,9}} ξ1_{5,8} ξ1_{8,9})) +
      e^{ξ1_{5,5}} (ξ1_{3,7} ξ1_{7,9} + ξ1_{3,4} ξ1_{4,7} ξ1_{7,9} + e^{ξ1_{4,4}} ξ1_{3,4} ξ1_{4,5} ξ1_{5,7} ξ1_{7,9} - e^{ξ1_{4,4}} ξ1_{3,4} ξ1_{4,6} ξ1_{6,7}
        ξ1_{7,9} - e^{ξ1_{3,3}+ξ1_{9,9}} ξ1_{3,8} ξ1_{8,9} - e^{ξ1_{3,3}} ξ1_{3,6} (e^{ξ1_{9,9}} ξ1_{6,9} + ξ1_{6,7} ξ1_{7,9} - e^{ξ1_{9,9}} ξ1_{6,8} ξ1_{8,9}))),
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$$\xi 2_{1,10} \to e^{-\xi 1_{10,10}} \left(\xi 1_{1,10} - e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,10} + e^{\xi 1_{1,1}} \xi 1_{1,6} \xi 1_{6,10} - e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,6} \xi 1_{6,10} + e^{\xi 1_{1,1}-\xi 1_{3,3}} \xi 1_{1,3} \xi 1_{3,7} \xi 1_{7,10} - \xi 1_{1,5} \xi 1_{5,7} \xi 1_{7,10} + e^{\xi 1_{1,1}} \xi 1_{1,6} \xi 1_{6,7} \xi 1_{7,10} - e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,6} \xi 1_{6,7} \xi 1_{7,10} + e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,8} \xi 1_{8,10} - \xi 1_{1,5} \xi 1_{5,8} \xi 1_{8,10} + e^{\xi 1_{1,1}} \xi 1_{1,6} \xi 1_{6,8} \xi 1_{8,10} - e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,6} \xi 1_{6,8} \xi 1_{8,10} - e^{\xi 1_{1,1}-\xi 1_{9,9}} \xi 1_{1,9} \xi 1_{9,10} + e^{\xi 1_{1,1}-\xi 1_{9,9}} \xi 1_{1,3} \xi 1_{3,9} \xi 1_{9,10} + e^{\xi 1_{1,1}} \xi 1_{1,6} \xi 1_{6,9} \xi 1_{9,10} - e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,6} \xi 1_{6,9} \xi 1_{9,10} - e^{-\xi 1_{5,5}} \xi 1_{1,5} \xi 1_{5,6} \xi 1_{6,9} \xi 1_{9,10} - e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{1,1}} \xi 1_{1,6} \xi 1_{6,8} \xi 1_{8,9} \xi 1_{9,10} + e^{\xi 1_{1,1}} \xi 1_{1,3} \xi 1_{3,6} \xi 1_{6,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{1,1}} \xi 1_{1,2} \left(\xi 1_{2,10} - \xi 1_{2,9} \xi 1_{9,10} + \xi 1_{2,6} \left(\xi 1_{6,10} + \xi 1_{6,9} \xi 1_{9,10}\right)\right)\right),$$

$$\xi 2_{2,3} \to e^{-\xi 1_{2,2}+\xi 1_{3,3}} \xi 1_{2,3},\ \xi 2_{2,4} \to \xi 1_{2,4},\ \xi 2_{2,5} \to e^{-\xi 1_{2,2}-\xi 1_{5,5}} \left(e^{\xi 1_{2,2}} \xi 1_{2,5} + e^{\xi 1_{3,3}} \xi 1_{2,3} \xi 1_{3,5}\right),$$

$$\xi 2_{2,6} \to e^{-\xi 1_{2,2}-\xi 1_{5,5}-\xi 1_{6,6}} \left(e^{\xi 1_{5,5}} \xi 1_{2,6} - e^{\xi 1_{2,2}} \xi 1_{2,5} \xi 1_{5,6} + e^{\xi 1_{3,3}} \xi 1_{2,3} \left(e^{\xi 1_{5,5}} \xi 1_{3,6} - \xi 1_{3,5} \xi 1_{5,6}\right)\right),$$

$$\xi 2_{2,7} \to \xi 1_{2,7} - \xi 1_{2,5} \xi 1_{5,7} + e^{-\xi 1_{2,2}} \xi 1_{2,6} \xi 1_{6,7} - e^{-\xi 1_{5,5}} \xi 1_{2,5} \xi 1_{5,6} \xi 1_{6,7} - e^{-\xi 1_{2,2}-\xi 1_{5,5}} \xi 1_{2,3} \left(e^{\xi 1_{5,5}} \xi 1_{3,4} \left(\xi 1_{4,7} + e^{\xi 1_{4,4}} \left(\xi 1_{4,5} \xi 1_{5,7} - \xi 1_{4,6} \xi 1_{6,7}\right)\right) + e^{\xi 1_{3,3}} \left(-e^{\xi 1_{5,5}} \xi 1_{3,6} \xi 1_{6,7} + \xi 1_{3,5} \left(e^{\xi 1_{5,5}} \xi 1_{5,7} + \xi 1_{5,6} \xi 1_{6,7}\right)\right)\right),$$

$$\xi 2_{2,8} \to \xi 1_{2,8} + e^{\xi 1_{3,3}-\xi 1_{8,8}} \xi 1_{2,3} \left(\xi 1_{3,8} - \xi 1_{3,6} \xi 1_{6,8}\right),\ \xi 2_{2,9} \to e^{-\xi 1_{2,2}-\xi 1_{9,9}} \left(e^{\xi 1_{9,9}} \xi 1_{2,9} + \xi 1_{2,3} \left(e^{\xi 1_{3,3}} \xi 1_{3,9} + \xi 1_{3,7} \xi 1_{7,9} + \xi 1_{3,4} \xi 1_{4,7} \xi 1_{7,9} + e^{\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,5} \xi 1_{5,7} \xi 1_{7,9} - e^{\xi 1_{3,3}} \xi 1_{3,6} \xi 1_{6,7} \xi 1_{7,9} - e^{\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,9} - e^{\xi 1_{3,3}+\xi 1_{9,9}} \xi 1_{3,8} \xi 1_{8,9} + e^{\xi 1_{3,3}+\xi 1_{9,9}} \xi 1_{3,6} \xi 1_{6,8} \xi 1_{8,9} - e^{\xi 1_{3,3}} \xi 1_{3,5} \left(\xi 1_{5,9} - \xi 1_{5,7} \xi 1_{7,9} - e^{\xi 1_{9,9}} \xi 1_{5,8} \xi 1_{8,9}\right)\right) + e^{\xi 1_{2,2}} \left(-\xi 1_{2,7} \xi 1_{7,9} + \xi 1_{2,5} \left(-\xi 1_{5,9} + \xi 1_{5,7} \xi 1_{7,9} + e^{\xi 1_{9,9}} \xi 1_{5,8} \xi 1_{8,9}\right)\right)\right),$$

$$\xi 2_{2,10} \to e^{-\xi 1_{2,2}} \xi 1_{2,10} + e^{-\xi 1_{2,2}} \xi 1_{2,6} \xi 1_{6,10} - \xi 1_{2,5} \xi 1_{5,7} \xi 1_{7,10} - e^{-\xi 1_{2,2}} \xi 1_{2,9} \xi 1_{9,10} + e^{-\xi 1_{9,9}} \xi 1_{2,5} \xi 1_{5,9} \xi 1_{9,10} - e^{-\xi 1_{2,2}-\xi 1_{9,9}} \xi 1_{2,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + e^{-\xi 1_{5,5}-\xi 1_{9,9}} \xi 1_{2,5} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} - \xi 1_{2,5} \xi 1_{5,8} \xi 1_{8,9} \xi 1_{9,10} - e^{-\xi 1_{2,2}-\xi 1_{5,5}-\xi 1_{9,9}} \xi 1_{2,3} \left(e^{\xi 1_{3,3}} \left(e^{\xi 1_{5,5}} \xi 1_{3,6} \left(e^{\xi 1_{9,9}} \xi 1_{6,9} + \xi 1_{6,7} \xi 1_{7,9}\right) \xi 1_{9,10} + \xi 1_{3,5} \left(-\xi 1_{5,6} \left(e^{\xi 1_{9,9}} \xi 1_{6,9} + \xi 1_{6,7} \xi 1_{7,9}\right) \xi 1_{9,10} + e^{\xi 1_{5,5}} \xi 1_{5,7} \left(e^{\xi 1_{9,9}} \xi 1_{7,10} - \xi 1_{7,9} \xi 1_{9,10}\right)\right)\right) + \xi 1_{3,4} \left(e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{4,10} - e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{4,8} \xi 1_{8,10} - e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{4,5} \xi 1_{5,8} \xi 1_{8,10} - e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{4,9} \xi 1_{9,10} - e^{\xi 1_{5,5}} \xi 1_{4,7} \xi 1_{7,9} \xi 1_{9,10} - e^{\xi 1_{4,4}+\xi 1_{5,5}} \xi 1_{4,5} \xi 1_{5,7} \xi 1_{7,9} \xi 1_{9,10} + e^{\xi 1_{4,4}} \xi 1_{4,5} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{4,8} \xi 1_{8,9} \xi 1_{9,10} + e^{\xi 1_{4,4}+\xi 1_{5,5}} \xi 1_{4,6} \left(e^{\xi 1_{9,9}} \xi 1_{6,10} + \left(e^{\xi 1_{9,9}} \xi 1_{6,9} + \xi 1_{6,7} \xi 1_{7,9}\right) \xi 1_{9,10} + e^{\xi 1_{9,9}} \xi 1_{6,8} \left(\xi 1_{8,10} - \xi 1_{8,9} \xi 1_{9,10}\right)\right)\right)\right),$$

$$\xi 2_{3,4} \to e^{-\xi 1_{3,3}} \xi 1_{3,4},\ \xi 2_{3,5} \to \xi 1_{3,5},\ \xi 2_{3,6} \to e^{-\xi 1_{6,6}} \left(\xi 1_{3,6} + e^{-\xi 1_{3,3}+\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,6} - e^{-\xi 1_{5,5}} \xi 1_{3,5} \xi 1_{5,6}\right),$$

$$\xi 2_{3,7} \to e^{-\xi 1_{3,3}} \left(\xi 1_{3,7} + e^{\xi 1_{3,3}} \left(\xi 1_{3,5} \xi 1_{5,7} - \xi 1_{3,6} \xi 1_{6,7}\right) + \xi 1_{3,4} \left(\xi 1_{4,7} + e^{\xi 1_{4,4}} \left(\xi 1_{4,5} \xi 1_{5,7} - \xi 1_{4,6} \xi 1_{6,7}\right)\right)\right),$$

$$\xi 2_{3,8} \to \xi 1_{3,8} - \xi 1_{3,6} \xi 1_{6,8} + e^{-\xi 1_{3,3}+\xi 1_{4,4}} \xi 1_{3,4} \left(\xi 1_{4,8} + \xi 1_{4,5} \xi 1_{5,8} - \xi 1_{4,6} \xi 1_{6,8}\right),$$

$$\xi 2_{3,9} \to e^{-\xi 1_{3,3}-\xi 1_{9,9}} \left(e^{\xi 1_{3,3}} \xi 1_{3,9} + e^{\xi 1_{4,4}+\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,9} + e^{\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,5} \xi 1_{5,9} + \left(\xi 1_{3,7} + \xi 1_{3,4} \xi 1_{4,7}\right) \xi 1_{7,9} - e^{-\xi 1_{5,5}} \left(e^{\xi 1_{3,3}+\xi 1_{5,5}} \xi 1_{3,6} + e^{\xi 1_{4,4}+\xi 1_{5,5}} \xi 1_{3,4} \xi 1_{4,6} - e^{\xi 1_{3,3}} \xi 1_{3,5} \xi 1_{5,6}\right) \left(e^{\xi 1_{9,9}} \xi 1_{6,9} + \xi 1_{6,7} \xi 1_{7,9}\right) - e^{\xi 1_{9,9}} \left(e^{\xi 1_{3,3}} \xi 1_{3,8} - e^{\xi 1_{3,3}} \xi 1_{3,6} \xi 1_{6,8} + e^{\xi 1_{4,4}} \xi 1_{3,4} \left(\xi 1_{4,8} + \xi 1_{4,5} \xi 1_{5,8} - \xi 1_{4,6} \xi 1_{6,8}\right)\right) \xi 1_{8,9} - e^{-\xi 1_{5,5}} \left(e^{\xi 1_{3,3}} \xi 1_{3,5} + e^{\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,5}\right) \left(e^{\xi 1_{5,5}} \xi 1_{5,9} - e^{\xi 1_{5,5}} \xi 1_{5,7} \xi 1_{7,9} + \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,9} - e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,8} \xi 1_{8,9}\right)\right),$$

$$\xi 2_{3,10} \to e^{-\xi 1_{3,3}} \left(e^{\xi 1_{3,3}} \xi 1_{3,10} + \xi 1_{3,4} \xi 1_{4,10} + \left(e^{\xi 1_{3,3}} \xi 1_{3,6} + e^{\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,6}\right) \xi 1_{6,10} - \left(e^{\xi 1_{3,3}} \xi 1_{3,8} - e^{\xi 1_{3,3}} \xi 1_{3,6} \xi 1_{6,8} + e^{\xi 1_{4,4}} \xi 1_{3,4} \left(\xi 1_{4,8} + \xi 1_{4,5} \xi 1_{5,8} - \xi 1_{4,6} \xi 1_{6,8}\right)\right) \xi 1_{8,10} + e^{-\xi 1_{9,9}} \left(-e^{\xi 1_{3,3}} \xi 1_{3,9} - e^{\xi 1_{4,4}+\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,9} - e^{\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,5} \xi 1_{5,9} - \left(\xi 1_{3,7} + \xi 1_{3,4} \xi 1_{4,7}\right) \xi 1_{7,9} + e^{-\xi 1_{5,5}} \left(e^{\xi 1_{3,3}+\xi 1_{5,5}} \xi 1_{3,6} + e^{\xi 1_{4,4}+\xi 1_{5,5}} \xi 1_{3,4} \xi 1_{4,6} - e^{\xi 1_{3,3}} \xi 1_{3,5} \xi 1_{5,6}\right) \left(e^{\xi 1_{9,9}} \xi 1_{6,9} + \xi 1_{6,7} \xi 1_{7,9}\right) + e^{\xi 1_{9,9}} \left(e^{\xi 1_{3,3}} \xi 1_{3,8} - e^{\xi 1_{3,3}} \xi 1_{3,6} \xi 1_{6,8} + e^{\xi 1_{4,4}} \xi 1_{3,4} \left(\xi 1_{4,8} + \xi 1_{4,5} \xi 1_{5,8} - \xi 1_{4,6} \xi 1_{6,8}\right)\right) \xi 1_{8,9} + e^{-\xi 1_{5,5}} \left(e^{\xi 1_{3,3}} \xi 1_{3,5} + e^{\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,5}\right)$$

$$\left(e^{\xi 1_{5,5}}\,\xi 1_{5,9}-e^{\xi 1_{5,5}}\,\xi 1_{5,7}\,\xi 1_{7,9}+\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{5,8}\,\xi 1_{8,9}\right)\Big)\,\xi 1_{9,10}\Big),$$

$$\xi 2_{4,5}\to \xi 1_{4,5},\ \xi 2_{4,6}\to e^{\xi 1_{4,4}-\xi 1_{6,6}}\,\xi 1_{4,6},\ \xi 2_{4,7}\to \xi 1_{4,7}+e^{\xi 1_{4,4}}\,(\xi 1_{4,5}\,\xi 1_{5,7}-\xi 1_{4,6}\,\xi 1_{6,7}),$$

$$\xi 2_{4,8}\to e^{\xi 1_{4,4}}\,(\xi 1_{4,8}+\xi 1_{4,5}\,\xi 1_{5,8}-\xi 1_{4,6}\,\xi 1_{6,8}),$$

$$\xi 2_{4,9}\to e^{\xi 1_{4,4}}\left(\xi 1_{4,9}-e^{-\xi 1_{5,5}-\xi 1_{9,9}}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-\xi 1_{4,8}\,\xi 1_{8,9}+\xi 1_{4,6}\,(-\xi 1_{6,9}+\xi 1_{6,8}\,\xi 1_{8,9})\right),$$

$$\xi 2_{4,10}\to e^{-\xi 1_{5,5}-\xi 1_{9,9}-\xi 1_{10,10}}\Big(e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,10}-e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,7}\,\xi 1_{7,10}-e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,10}-$$
$$e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,8}\,\xi 1_{8,10}-e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,10}-e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,9}\,\xi 1_{9,10}+$$
$$e^{\xi 1_{4,4}}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,8}\,\xi 1_{8,9}\,\xi 1_{9,10}+$$
$$e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{4,6}\,(\xi 1_{6,10}+\xi 1_{6,7}\,\xi 1_{7,10}+\xi 1_{6,8}\,\xi 1_{8,10}+\xi 1_{6,9}\,\xi 1_{9,10}-\xi 1_{6,8}\,\xi 1_{8,9}\,\xi 1_{9,10})\Big),$$

$$\xi 2_{5,6}\to e^{-\xi 1_{5,5}-\xi 1_{6,6}}\,\xi 1_{5,6},\ \xi 2_{5,7}\to \xi 1_{5,7},\ \xi 2_{5,8}\to e^{\xi 1_{5,5}-\xi 1_{8,8}}\,\xi 1_{5,8},$$

$$\xi 2_{5,9}\to \xi 1_{5,9}-\xi 1_{5,7}\,\xi 1_{7,9}+e^{-\xi 1_{5,5}}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}-e^{\xi 1_{9,9}}\,\xi 1_{5,8}\,\xi 1_{8,9},$$

$$\xi 2_{5,10}\to e^{-\xi 1_{10,10}}\left(e^{\xi 1_{5,5}}\,\xi 1_{5,10}+\xi 1_{5,6}\,\xi 1_{6,10}-e^{\xi 1_{5,5}}\,(\xi 1_{5,7}\,\xi 1_{7,10}+\xi 1_{5,8}\,\xi 1_{8,10})\right),$$

$$\xi 2_{6,7}\to e^{\xi 1_{6,6}}\,\xi 1_{6,7},$$

$$\xi 2_{6,8}\to \xi 1_{6,8},$$

$$\xi 2_{6,9}\to e^{\xi 1_{6,6}}\left(\xi 1_{6,9}+e^{-\xi 1_{9,9}}\,\xi 1_{6,7}\,\xi 1_{7,9}\right),$$

$$\xi 2_{6,10}\to e^{\xi 1_{6,6}-\xi 1_{10,10}}\,\xi 1_{6,10},$$

$$\xi 2_{7,8}\to e^{\xi 1_{8,8}}\,\xi 1_{7,8},$$

$$\xi 2_{7,9}\to e^{-\xi 1_{9,9}}\,\xi 1_{7,9},$$

$$\xi 2_{7,10}\to e^{-\xi 1_{9,9}-\xi 1_{10,10}}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}-\xi 1_{7,9}\,\xi 1_{9,10}\right),$$

$$\xi 2_{8,9}\to \xi 1_{8,9},$$

$$\xi 2_{8,10}\to \xi 1_{8,10},$$

$$\xi 2_{9,10}\to e^{-\xi 1_{10,10}}\,\xi 1_{9,10}\Big\}\Big\},$$

$$\Big\{BC_{\{x_{4,9},x_{4,6},x_{4,5},x_{1,7},x_{3,8},x_{1,2},x_{1,8},x_{5,9},x_{2,4},x_{8,9},x_{4,4},x_{7,8},x_{2,2},x_{1,1},x_{1,5},x_{3,9},x_{3,7},x_{6,8},x_{6,6},x_{5,5},x_{5,10},x_{4,10},x_{1,9},x_{5,7},x_{6,7},x_{4,7},x_{7,9},x_{2,6},x_2$$

$$,\ \Big\{\xi 2_{1,1}\to \xi 1_{1,1},\ \xi 2_{2,2}\to \xi 1_{2,2},\ \xi 2_{3,3}\to \xi 1_{3,3},\ \xi 2_{4,4}\to \xi 1_{4,4},\ \xi 2_{5,5}\to \xi 1_{5,5},\ \xi 2_{6,6}\to \xi 1_{6,6},$$
$$\xi 2_{7,7}\to \xi 1_{7,7},\ \xi 2_{8,8}\to \xi 1_{8,8},\ \xi 2_{9,9}\to \xi 1_{9,9},\ \xi 2_{10,10}\to \xi 1_{10,10},\ \xi 2_{1,2}\to e^{-\xi 1_{1,1}}\,\xi 1_{1,2},$$
$$\xi 2_{1,3}\to \xi 1_{1,3},\ \xi 2_{1,4}\to \xi 1_{1,4}+e^{-\xi 1_{1,1}+\xi 1_{4,4}}\,\xi 1_{1,2}\,\xi 1_{2,4},\ \xi 2_{1,5}\to \xi 1_{1,5}+e^{-\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,5},$$
$$\xi 2_{1,6}\to \xi 1_{1,6}+\xi 1_{1,3}\,\xi 1_{3,6}+e^{-\xi 1_{1,1}+\xi 1_{6,6}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,6}+e^{\xi 1_{5,5}}\,\xi 1_{1,5}\,\xi 1_{5,6},$$
$$\xi 2_{1,7}\to e^{-\xi 1_{1,1}+\xi 1_{7,7}}\left(\xi 1_{1,7}+e^{\xi 1_{4,4}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,7}-\right.$$
$$\left.e^{\xi 1_{1,1}}\,(\xi 1_{1,6}\,\xi 1_{6,7}+\xi 1_{1,3}\,(\xi 1_{3,6}\,\xi 1_{6,7}+\xi 1_{3,5}\,(\xi 1_{5,7}-\xi 1_{5,6}\,\xi 1_{6,7})))\right),\ \xi 2_{1,8}\to$$
$$e^{-\xi 1_{1,1}}\,\xi 1_{1,8}+e^{-\xi 1_{1,1}}\,\xi 1_{1,2}\,\xi 1_{2,4}\left(e^{\xi 1_{4,4}}\,\xi 1_{4,8}-e^{\xi 1_{4,4}}\,\xi 1_{4,7}\,\xi 1_{7,8}+\xi 1_{4,6}\left(\xi 1_{6,8}-e^{\xi 1_{6,6}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\right)+$$
$$e^{-\xi 1_{6,6}}\left(e^{\xi 1_{5,5}}\,\xi 1_{1,5}\,\xi 1_{5,6}\left(\xi 1_{6,8}-e^{\xi 1_{6,6}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)+\right.$$
$$\left.\xi 1_{1,3}\,\xi 1_{3,5}\left(e^{\xi 1_{6,6}}\,\xi 1_{5,7}\,\xi 1_{7,8}+\xi 1_{5,6}\left(\xi 1_{6,8}-e^{\xi 1_{6,6}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\right)\right),$$
$$\xi 2_{1,9}\to e^{\xi 1_{1,1}}\,\xi 1_{1,9}-e^{\xi 1_{1,1}}\,\xi 1_{1,5}\,\xi 1_{5,9}+\xi 1_{1,7}\,\xi 1_{7,9}+e^{\xi 1_{1,1}+\xi 1_{5,5}-\xi 1_{9,9}}\,\xi 1_{1,5}\,\xi 1_{5,6}$$
$$\left(\xi 1_{6,9}+e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,\xi 1_{7,9}\right)-e^{\xi 1_{1,1}-\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,5}\left(\xi 1_{5,9}+e^{\xi 1_{5,5}}\,(\xi 1_{5,7}-\xi 1_{5,6}\,\xi 1_{6,7})\,\xi 1_{7,9}\right)+$$
$$\left(\xi 1_{1,8}+\xi 1_{1,2}\,\xi 1_{2,4}\left(e^{\xi 1_{4,4}}\,\xi 1_{4,8}-e^{\xi 1_{4,4}}\,\xi 1_{4,7}\,\xi 1_{7,8}+\xi 1_{4,6}\left(\xi 1_{6,8}-e^{\xi 1_{6,6}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\right)\right)\xi 1_{8,9},$$
$$\xi 2_{1,10}\to -e^{-\xi 1_{1,1}-\xi 1_{10,10}}\Big(-\Big(\Big(e^{\xi 1_{7,7}}\,\xi 1_{1,7}+\xi 1_{1,2}\left(e^{\xi 1_{2,2}}\,\xi 1_{2,7}+e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{2,4}\,\xi 1_{4,7}\right)+$$
$$e^{\xi 1_{1,1}+\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{1,5}\,\xi 1_{5,7}\Big)\,\xi 1_{7,10}\Big)+e^{-\xi 1_{5,5}+\xi 1_{10,10}}\left(e^{\xi 1_{1,1}+\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{1,9}+e^{\xi 1_{1,1}+\xi 1_{5,5}}\,\xi 1_{1,5}\right.$$
$$\left(-e^{\xi 1_{9,9}}\,\xi 1_{5,9}+e^{\xi 1_{5,5}}\,\xi 1_{5,6}\left(\xi 1_{6,9}+e^{\xi 1_{9,9}}\,\xi 1_{6,7}\,\xi 1_{7,9}\right)\right)+e^{\xi 1_{9,9}}\left(-e^{\xi 1_{1,1}}\,\xi 1_{1,3}\,\xi 1_{3,5}\right.$$
$$\left(\xi 1_{5,9}+e^{\xi 1_{5,5}}\,(\xi 1_{5,7}-\xi 1_{5,6}\,\xi 1_{6,7})\,\xi 1_{7,9}\right)+e^{\xi 1_{5,5}}\left(\xi 1_{1,7}\,\xi 1_{7,9}+\left(\xi 1_{1,8}+\xi 1_{1,2}\,\xi 1_{2,4}\right.\right.$$
$$\left.\left.\left.\left.\left(e^{\xi 1_{4,4}}\,\xi 1_{4,8}-e^{\xi 1_{4,4}}\,\xi 1_{4,7}\,\xi 1_{7,8}+\xi 1_{4,6}\left(\xi 1_{6,8}-e^{\xi 1_{6,6}}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\right)\right)\xi 1_{8,9}\right)\right)\right)$$
$$\xi 1_{9,10}-e^{\xi 1_{10,10}}\left(e^{\xi 1_{1,1}}\,\xi 1_{1,10}+e^{\xi 1_{2,2}}\,\xi 1_{1,2}\,\xi 1_{2,10}+e^{\xi 1_{2,2}+\xi 1_{3,3}}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,10}+\right.$$
$$e^{\xi 1_{4,4}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,10}+e^{\xi 1_{1,1}+\xi 1_{5,5}}\,\xi 1_{1,5}\,\xi 1_{5,10}+$$
$$\left(e^{\xi 1_{2,2}}\,\xi 1_{1,2}\left(\xi 1_{2,6}+e^{\xi 1_{3,3}}\,\xi 1_{2,3}\,\xi 1_{3,6}\right)+e^{\xi 1_{1,1}}\left(\xi 1_{1,3}\,\xi 1_{3,6}+e^{\xi 1_{5,5}}\,\xi 1_{1,5}\,\xi 1_{5,6}\right)\right)\xi 1_{6,10}+$$
$$\left(\xi 1_{1,8}+\xi 1_{1,2}\left(e^{\xi 1_{2,2}}\,\xi 1_{2,8}+e^{\xi 1_{4,4}}\,\xi 1_{2,4}\,\xi 1_{4,8}\right)+\xi 1_{1,7}\,\xi 1_{7,8}\right)\xi 1_{8,10}+$$

$$
\begin{aligned}
&e^{\xi 1_{9,9}} \left(e^{\xi 1_{1,1}} \xi 1_{1,9} + \xi 1_{1,7} \xi 1_{7,9} + e^{\xi 1_{4,4}} \xi 1_{1,2} \xi 1_{2,4} \xi 1_{4,7} \xi 1_{7,9} + e^{\xi 1_{1,1}+\xi 1_{5,5}} \xi 1_{1,5} \xi 1_{5,7} \xi 1_{7,9} + \right.\\
&\qquad \left. \xi 1_{1,8} \xi 1_{8,9}\right) \xi 1_{9,10}\Big) + e^{\xi 1_{1,1}-\xi 1_{5,5}-\xi 1_{6,6}} \left(e^{\xi 1_{5,5}} \xi 1_{1,5} + \xi 1_{1,3} \xi 1_{3,5}\right)\\
&\left(e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{10,10}} \xi 1_{5,10} - e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{7,7}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,10} - e^{\xi 1_{5,5}+\xi 1_{10,10}} \xi 1_{5,6} \xi 1_{6,8} \xi 1_{8,10} + \right.\\
&\quad e^{\xi 1_{6,6}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,9} \xi 1_{9,10} - e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + \\
&\quad \left. e^{\xi 1_{5,5}+\xi 1_{6,6}} \xi 1_{5,7} \left(e^{\xi 1_{7,7}} \xi 1_{7,10} + e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\right)\right) + e^{-\xi 1_{6,6}}\\
&\left(e^{\xi 1_{1,1}} \xi 1_{1,6} + e^{\xi 1_{2,2}} \xi 1_{1,2} \left(\xi 1_{2,6} + e^{\xi 1_{3,3}} \xi 1_{2,3} \xi 1_{3,6}\right) + e^{\xi 1_{1,1}} \left(\xi 1_{1,3} \xi 1_{3,6} + e^{\xi 1_{5,5}} \xi 1_{1,5} \xi 1_{5,6}\right)\right)\\
&\left(e^{\xi 1_{6,6}+\xi 1_{10,10}} \xi 1_{6,10} - e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{6,8} \xi 1_{8,9} \xi 1_{9,10} + \right.\\
&\quad \left. e^{\xi 1_{6,6}} \xi 1_{6,7} \left(e^{\xi 1_{7,7}} \xi 1_{7,10} + e^{\xi 1_{10,10}} \left(e^{\xi 1_{9,9}} \xi 1_{7,9} \xi 1_{9,10} + \xi 1_{7,8} \left(\xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{8,9} \xi 1_{9,10}\right)\right)\right)\right)\Big),\\
&\xi 2_{2,3} \to e^{\xi 1_{2,2}} \xi 1_{2,3},\ \xi 2_{2,4} \to \xi 1_{2,4},\ \xi 2_{2,5} \to e^{\xi 1_{2,2}} \left(\xi 1_{2,5} + e^{\xi 1_{3,3}} \xi 1_{2,3} \xi 1_{3,5}\right),\\
&\xi 2_{2,6} \to\\
&\quad e^{\xi 1_{2,2}} \xi 1_{2,6} - e^{\xi 1_{6,6}} \xi 1_{2,4} \xi 1_{4,6},\\
&\xi 2_{2,7} \to e^{\xi 1_{2,2}} \left(\xi 1_{2,7} - e^{\xi 1_{7,7}} \left(\xi 1_{2,3} \xi 1_{3,7} + \xi 1_{2,6} \xi 1_{6,7}\right)\right),\\
&\xi 2_{2,8} \to\\
&\quad e^{\xi 1_{2,2}} \xi 1_{2,8} - e^{\xi 1_{2,2}-\xi 1_{8,8}} \xi 1_{2,5} \xi 1_{5,8} - \\
&\qquad e^{\xi 1_{2,2}-\xi 1_{7,7}} \xi 1_{2,7} \xi 1_{7,8} + e^{\xi 1_{2,2}} \xi 1_{2,5} \xi 1_{5,7} \xi 1_{7,8} + \\
&\qquad e^{\xi 1_{2,2}-\xi 1_{6,6}} \xi 1_{2,5} \xi 1_{5,6} \left(\xi 1_{6,8} - e^{\xi 1_{6,6}} \xi 1_{6,7} \xi 1_{7,8}\right) + \\
&\qquad \xi 1_{2,4} \xi 1_{4,6} \left(-\xi 1_{6,8} + e^{\xi 1_{6,6}} \xi 1_{6,7} \xi 1_{7,8}\right) + \\
&\qquad e^{\xi 1_{2,2}+\xi 1_{3,3}-\xi 1_{6,6}} \xi 1_{2,3} \xi 1_{3,5} \left(e^{\xi 1_{6,6}} \xi 1_{5,7} \xi 1_{7,8} + \xi 1_{5,6} \left(\xi 1_{6,8} - e^{\xi 1_{6,6}} \xi 1_{6,7} \xi 1_{7,8}\right)\right),\\
&\xi 2_{2,9} \to e^{\xi 1_{2,2}-\xi 1_{9,9}} \xi 1_{2,9} - e^{\xi 1_{2,2}} \xi 1_{2,3} \xi 1_{3,9} + e^{\xi 1_{2,2}-\xi 1_{9,9}} \xi 1_{2,6} \xi 1_{6,9} - \\
&\qquad e^{\xi 1_{2,2}-\xi 1_{5,5}} \xi 1_{2,5} \left(\xi 1_{5,9} + e^{\xi 1_{5,5}} \left(\xi 1_{5,7} - \xi 1_{5,6} \xi 1_{6,7}\right) \xi 1_{7,9}\right) + \\
&\qquad e^{\xi 1_{2,2}+\xi 1_{3,3}-\xi 1_{6,6}} \xi 1_{2,3} \xi 1_{3,5} \left(e^{\xi 1_{6,6}} \xi 1_{5,7} \xi 1_{7,8} + \xi 1_{5,6} \left(\xi 1_{6,8} - e^{\xi 1_{6,6}} \xi 1_{6,7} \xi 1_{7,8}\right)\right) \xi 1_{8,9} - \\
&\qquad e^{\xi 1_{2,2}} \xi 1_{2,3} \xi 1_{3,7} \left(\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}\right) + \\
&\qquad \xi 1_{2,4} \left(-\left(\left(e^{\xi 1_{4,4}} \xi 1_{4,8} + \xi 1_{4,6} \left(\xi 1_{6,8} - e^{\xi 1_{6,6}} \xi 1_{6,7} \xi 1_{7,8}\right)\right) \xi 1_{8,9}\right) + e^{\xi 1_{4,4}} \xi 1_{4,7} \left(\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}\right)\right),\\
&\xi 2_{2,10} \to e^{\xi 1_{2,2}} \xi 1_{2,10} + e^{\xi 1_{2,2}-\xi 1_{10,10}} \xi 1_{2,7} \xi 1_{7,10} - e^{\xi 1_{2,2}+\xi 1_{7,7}-\xi 1_{10,10}} \xi 1_{2,6} \xi 1_{6,7} \xi 1_{7,10} + \\
&\qquad e^{\xi 1_{2,2}} \xi 1_{2,8} \xi 1_{8,10} - \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,8} \xi 1_{8,10} - e^{\xi 1_{2,2}} \xi 1_{2,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} + \\
&\qquad e^{\xi 1_{6,6}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} + e^{\xi 1_{6,6}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,9} \xi 1_{9,10} + \\
&\qquad e^{\xi 1_{4,4}+\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,7} \xi 1_{7,9} \xi 1_{9,10} - e^{\xi 1_{2,2}+\xi 1_{9,9}} \xi 1_{2,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + \\
&\qquad e^{\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} - e^{\xi 1_{4,4}+\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,8} \xi 1_{8,9} \xi 1_{9,10} + \\
&\qquad e^{\xi 1_{2,2}-\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{2,6} \xi 1_{6,8} \xi 1_{8,9} \xi 1_{9,10} - 2\, e^{\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,8} \xi 1_{8,9} \xi 1_{9,10} + \\
&\qquad e^{\xi 1_{4,4}+\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{2,2}+\xi 1_{9,9}} \xi 1_{2,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + \\
&\qquad 2\, e^{\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + \\
&\qquad e^{\xi 1_{2,2}+\xi 1_{3,3}} \xi 1_{2,3} \left(\xi 1_{3,10} + \xi 1_{3,6} \left(e^{-\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{6,8} \xi 1_{8,9} \xi 1_{9,10} + \right.\right.\\
&\qquad\qquad \left.\left. \xi 1_{6,7} \left(-e^{\xi 1_{7,7}-\xi 1_{10,10}} \xi 1_{7,10} - e^{\xi 1_{9,9}} \xi 1_{7,9} \xi 1_{9,10} - \xi 1_{7,8} \left(\xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{8,9} \xi 1_{9,10}\right)\right)\right)\right),\\
&\xi 2_{3,4} \to \xi 1_{3,4},\ \xi 2_{3,5} \to e^{\xi 1_{3,3}} \xi 1_{3,5},\ \xi 2_{3,6} \to e^{\xi 1_{3,3}} \xi 1_{3,6},\ \xi 2_{3,7} \to\\
&\quad e^{\xi 1_{7,7}} \left(\xi 1_{3,7} - \xi 1_{3,4} \xi 1_{4,7} - e^{\xi 1_{3,3}} \xi 1_{3,6} \xi 1_{6,7}\right),\\
&\xi 2_{3,8} \to \xi 1_{3,8} - \xi 1_{3,7} \xi 1_{7,8} + e^{\xi 1_{3,3}} \xi 1_{3,5} \left(\xi 1_{5,7} \xi 1_{7,8} + \xi 1_{5,6} \left(e^{-\xi 1_{6,6}} \xi 1_{6,8} - \xi 1_{6,7} \xi 1_{7,8}\right)\right),\\
&\xi 2_{3,9} \to \xi 1_{3,9} + \xi 1_{3,7} \left(\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}\right) + e^{\xi 1_{3,3}} \xi 1_{3,5} \left(-e^{-\xi 1_{5,5}} \xi 1_{5,9} - \right.\\
&\qquad \left. e^{-\xi 1_{6,6}} \xi 1_{5,6} \xi 1_{6,8} \xi 1_{8,9} - \xi 1_{5,7} \left(\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}\right) + \xi 1_{5,6} \xi 1_{6,7} \left(\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}\right)\right),\\
&\xi 2_{3,10} \to e^{\xi 1_{3,3}} \xi 1_{3,10} - e^{\xi 1_{3,3}+\xi 1_{7,7}-\xi 1_{10,10}} \xi 1_{3,6} \xi 1_{6,7} \xi 1_{7,10} + \xi 1_{3,8} \xi 1_{8,10} - \\
&\qquad e^{\xi 1_{3,3}} \xi 1_{3,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{3,9} \xi 1_{9,10} - e^{\xi 1_{3,3}+\xi 1_{9,9}} \xi 1_{3,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + \\
&\qquad e^{\xi 1_{9,9}} \xi 1_{3,8} \xi 1_{8,9} \xi 1_{9,10} + e^{\xi 1_{3,3}-\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{3,6} \xi 1_{6,8} \xi 1_{8,9} \xi 1_{9,10} - \\
&\qquad e^{\xi 1_{3,3}+\xi 1_{9,9}} \xi 1_{3,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + \xi 1_{3,7} \left(e^{\xi 1_{7,7}-\xi 1_{10,10}} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{7,9} \xi 1_{9,10}\right),\\
&\xi 2_{4,5} \to \xi 1_{4,5},\ \xi 2_{4,6} \to e^{\xi 1_{6,6}} \xi 1_{4,6},\ \xi 2_{4,7} \to e^{\xi 1_{7,7}} \xi 1_{4,7},
\end{aligned}
$$

$$\xi 2_{4,8} \to e^{\xi 1_{4,4}}\, \xi 1_{4,8} - e^{\xi 1_{4,4}}\, \xi 1_{4,7}\, \xi 1_{7,8} + \xi 1_{4,6}\, \left(\xi 1_{6,8} - e^{\xi 1_{6,6}}\, \xi 1_{6,7}\, \xi 1_{7,8}\right),$$

$$\xi 2_{4,9} \to \xi 1_{4,9} + e^{\xi 1_{6,6}-\xi 1_{9,9}}\, \xi 1_{4,6}\, \xi 1_{6,9} - e^{\xi 1_{4,4}}\, \xi 1_{4,8}\, \xi 1_{8,9} +$$
$$e^{\xi 1_{4,4}}\, \xi 1_{4,7}\, (\xi 1_{7,9} + \xi 1_{7,8}\, \xi 1_{8,9}) + \xi 1_{4,6}\, \left(-\xi 1_{6,8}\, \xi 1_{8,9} + e^{\xi 1_{6,6}}\, \xi 1_{6,7}\, (\xi 1_{7,9} + \xi 1_{7,8}\, \xi 1_{8,9})\right),$$

$$\xi 2_{4,10} \to e^{\xi 1_{4,4}}\, \xi 1_{4,10} + e^{\xi 1_{4,4}}\, \xi 1_{4,8}\, \left(\xi 1_{8,10} + e^{\xi 1_{9,9}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right) +$$
$$e^{\xi 1_{4,4}}\, \xi 1_{4,7}\, \left(e^{\xi 1_{7,7}-\xi 1_{10,10}}\, \xi 1_{7,10} - e^{\xi 1_{9,9}}\, \xi 1_{7,8}\, \xi 1_{8,9}\, \xi 1_{9,10}\right) +$$
$$\xi 1_{4,6}\, \left(\xi 1_{6,8}\, \left(\xi 1_{8,10} + 2\, e^{\xi 1_{9,9}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right) -\right.$$
$$\left. e^{\xi 1_{6,6}}\, \left(\xi 1_{6,9}\, \xi 1_{9,10} + \xi 1_{6,7}\, \left(e^{\xi 1_{9,9}}\, \xi 1_{7,9}\, \xi 1_{9,10} + \xi 1_{7,8}\, \left(\xi 1_{8,10} + 2\, e^{\xi 1_{9,9}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right)\right)\right)\right),$$

$$\xi 2_{5,6} \to e^{\xi 1_{5,5}-\xi 1_{6,6}}\, \xi 1_{5,6},\ \xi 2_{5,7} \to e^{\xi 1_{7,7}}\, (\xi 1_{5,7} - \xi 1_{5,6}\, \xi 1_{6,7}),$$

$$\xi 2_{5,8} \to e^{-\xi 1_{8,8}}\, \xi 1_{5,8} - \xi 1_{5,7}\, \xi 1_{7,8} + \xi 1_{5,6}\, \left(-e^{-\xi 1_{6,6}}\, \xi 1_{6,8} + \xi 1_{6,7}\, \xi 1_{7,8}\right),$$

$$\xi 2_{5,9} \to e^{-\xi 1_{5,5}}\, \xi 1_{5,9} + (\xi 1_{5,7} - \xi 1_{5,6}\, \xi 1_{6,7})\, \xi 1_{7,9},$$

$$\xi 2_{5,10} \to \xi 1_{5,10} - e^{\xi 1_{7,7}-\xi 1_{10,10}}\, \xi 1_{5,6}\, \xi 1_{6,7}\, \xi 1_{7,10} - e^{-\xi 1_{6,6}}\, \xi 1_{5,6}\, \xi 1_{6,8}\, \xi 1_{8,10} + e^{-\xi 1_{5,5}+\xi 1_{9,9}}\, \xi 1_{5,9}\, \xi 1_{9,10} -$$
$$e^{\xi 1_{9,9}}\, \xi 1_{5,6}\, \xi 1_{6,7}\, \xi 1_{7,9}\, \xi 1_{9,10} + \xi 1_{5,7}\, \left(e^{\xi 1_{7,7}-\xi 1_{10,10}}\, \xi 1_{7,10} + e^{\xi 1_{9,9}}\, \xi 1_{7,9}\, \xi 1_{9,10}\right),$$

$$\xi 2_{6,7} \to e^{\xi 1_{7,7}}\, \xi 1_{6,7},\ \xi 2_{6,8} \to e^{-\xi 1_{6,6}}\, \xi 1_{6,8} - \xi 1_{6,7}\, \xi 1_{7,8},$$

$$\xi 2_{6,9} \to e^{-\xi 1_{9,9}}\, \xi 1_{6,9} - e^{-\xi 1_{6,6}}\, \xi 1_{6,8}\, \xi 1_{8,9} + \xi 1_{6,7}\, (\xi 1_{7,9} + \xi 1_{7,8}\, \xi 1_{8,9}),$$

$$\xi 2_{6,10} \to e^{\xi 1_{10,10}}\, \xi 1_{6,10} - e^{-\xi 1_{6,6}+\xi 1_{9,9}+\xi 1_{10,10}}\, \xi 1_{6,8}\, \xi 1_{8,9}\, \xi 1_{9,10} +$$
$$\xi 1_{6,7}\, \left(e^{\xi 1_{7,7}}\, \xi 1_{7,10} + e^{\xi 1_{10,10}}\, \left(e^{\xi 1_{9,9}}\, \xi 1_{7,9}\, \xi 1_{9,10} + \xi 1_{7,8}\, \left(\xi 1_{8,10} + e^{\xi 1_{9,9}}\, \xi 1_{8,9}\, \xi 1_{9,10}\right)\right)\right),$$

$$\xi 2_{7,8} \to e^{-\xi 1_{7,7}+\xi 1_{8,8}}\, \xi 1_{7,8},\ \xi 2_{7,9} \to e^{-\xi 1_{7,7}}\, \xi 1_{7,9},$$

$$\xi 2_{7,10} \to e^{\xi 1_{7,7}-\xi 1_{10,10}}\, \xi 1_{7,10} + \xi 1_{7,8}\, \xi 1_{8,10} + e^{\xi 1_{9,9}}\, \xi 1_{7,9}\, \xi 1_{9,10},$$

$$\xi 2_{8,9} \to \xi 1_{8,9},$$

$$\xi 2_{8,10} \to \xi 1_{8,10} + e^{\xi 1_{9,9}}\, \xi 1_{8,9}\, \xi 1_{9,10},$$

$$\xi 2_{9,10} \to e^{\xi 1_{9,9}}\, \xi 1_{9,10}\Big\}\Big\},$$

$$\Big\{\mathrm{BC}_{\{x_{6,10},x_{8,8},x_{2,3},x_{6,8},x_{2,4},x_{1,2},x_{8,9},x_{2,6},x_{3,3},x_{3,8},x_{5,9},x_{9,9},x_{4,9},x_{3,9},x_{4,8},x_{4,5},x_{2,5},x_{7,9},x_{5,7},x_{1,1},x_{3,10},x_{3,5},x_{6,7},x_{1,9},x_{1,3},x_{5,10},x_{2,8},x_{6,6},x}$$
$$, \Big\{\xi 2_{1,1} \to \xi 1_{1,1},\ \xi 2_{2,2} \to \xi 1_{2,2},\ \xi 2_{3,3} \to \xi 1_{3,3},\ \xi 2_{4,4} \to \xi 1_{4,4},\ \xi 2_{5,5} \to \xi 1_{5,5},\ \xi 2_{6,6} \to \xi 1_{6,6},$$
$$\xi 2_{7,7} \to \xi 1_{7,7},\ \xi 2_{8,8} \to \xi 1_{8,8},\ \xi 2_{9,9} \to \xi 1_{9,9},\ \xi 2_{10,10} \to \xi 1_{10,10},\ \xi 2_{1,2} \to e^{\xi 1_{2,2}}\, \xi 1_{1,2},$$
$$\xi 2_{1,3} \to e^{\xi 1_{1,1}-\xi 1_{3,3}}\, \xi 1_{1,3},\ \xi 2_{1,4} \to e^{\xi 1_{1,1}}\, \xi 1_{1,4} - e^{\xi 1_{4,4}}\, \xi 1_{1,2}\, \xi 1_{2,4} + e^{\xi 1_{1,1}}\, \xi 1_{1,3}\, \xi 1_{3,4},$$
$$\xi 2_{1,5} \to e^{\xi 1_{5,5}}\, \left(\xi 1_{1,5} + e^{-\xi 1_{1,1}}\, \xi 1_{1,2}\, \xi 1_{2,5} - \xi 1_{1,3}\, \xi 1_{3,5} - e^{-\xi 1_{4,4}}\, \xi 1_{1,4}\, \xi 1_{4,5}\right),$$
$$\xi 2_{1,6} \to e^{-\xi 1_{4,4}-\xi 1_{6,6}}\, \left(e^{\xi 1_{1,1}+\xi 1_{4,4}}\, \xi 1_{1,6} +\right.$$
$$e^{\xi 1_{1,1}}\, \left(e^{\xi 1_{4,4}+\xi 1_{5,5}}\, (\xi 1_{1,5} - \xi 1_{1,3}\, \xi 1_{3,5})\, \xi 1_{5,6} - \xi 1_{1,4}\, \left(e^{\xi 1_{4,4}}\, \xi 1_{4,6} + e^{\xi 1_{5,5}}\, \xi 1_{4,5}\, \xi 1_{5,6}\right)\right) +$$
$$\left. e^{\xi 1_{4,4}}\, \xi 1_{1,2}\, \left(e^{\xi 1_{6,6}}\, \xi 1_{2,6} + e^{\xi 1_{5,5}}\, \xi 1_{2,5}\, \xi 1_{5,6} + \xi 1_{2,4}\, \left(e^{\xi 1_{4,4}}\, \xi 1_{4,6} + e^{\xi 1_{5,5}}\, \xi 1_{4,5}\, \xi 1_{5,6}\right)\right)\right),$$
$$\xi 2_{1,7} \to e^{\xi 1_{7,7}}\, \left(\xi 1_{1,7} + e^{-\xi 1_{6,6}}\, \left(\left(-\xi 1_{1,6} - e^{\xi 1_{5,5}}\, (\xi 1_{1,5} - \xi 1_{1,3}\, \xi 1_{3,5})\, \xi 1_{5,6} +\right.\right.\right.$$
$$\xi 1_{1,4}\, \left(\xi 1_{4,6} + e^{-\xi 1_{4,4}+\xi 1_{5,5}}\, \xi 1_{4,5}\, \xi 1_{5,6}\right)\Big)\, \xi 1_{6,7} + e^{-\xi 1_{1,1}}\, \xi 1_{1,2}\, \left(e^{\xi 1_{6,6}}\, \xi 1_{2,7} -\right.$$
$$\left.\left.\left. \xi 1_{2,4}\, \left(e^{\xi 1_{4,4}}\, \xi 1_{4,6} + e^{\xi 1_{5,5}}\, \xi 1_{4,5}\, \xi 1_{5,6}\right)\, \xi 1_{6,7} + \xi 1_{2,5}\, \left(e^{\xi 1_{6,6}}\, \xi 1_{5,7} - e^{\xi 1_{5,5}}\, \xi 1_{5,6}\, \xi 1_{6,7}\right)\right)\right)\right),$$
$$\xi 2_{1,8} \to e^{-\xi 1_{8,8}}\, \left(e^{\xi 1_{1,1}}\, \xi 1_{1,8} + \xi 1_{1,2}\, \xi 1_{2,8} + \left(e^{\xi 1_{1,1}}\, \xi 1_{1,5} + \xi 1_{1,2}\, \xi 1_{2,5}\right)\, \xi 1_{5,8} +\right.$$
$$\xi 1_{1,2}\, (\xi 1_{2,7} + \xi 1_{2,5}\, \xi 1_{5,7} + \xi 1_{2,6}\, \xi 1_{6,7})\, \xi 1_{7,8} - e^{-\xi 1_{4,4}-\xi 1_{6,6}}$$
$$\left(e^{\xi 1_{1,1}+\xi 1_{4,4}}\, \xi 1_{1,6} + e^{\xi 1_{4,4}}\, \xi 1_{1,2}\, \left(e^{\xi 1_{6,6}}\, \xi 1_{2,6} + e^{\xi 1_{5,5}}\, \xi 1_{2,5}\, \xi 1_{5,6}\right) + e^{\xi 1_{1,1}}\, \left(e^{\xi 1_{4,4}+\xi 1_{5,5}}\, \xi 1_{1,5}\, \xi 1_{5,6} +\right.\right.$$
$$\left.\left. \xi 1_{1,3}\, \left(-e^{\xi 1_{4,4}+\xi 1_{5,5}}\, \xi 1_{3,5}\, \xi 1_{5,6} + \xi 1_{3,4}\, \left(e^{\xi 1_{4,4}}\, \xi 1_{4,6} + e^{\xi 1_{5,5}}\, \xi 1_{4,5}\, \xi 1_{5,6}\right)\right)\right)\right)$$
$$(\xi 1_{6,8} + \xi 1_{6,7}\, \xi 1_{7,8}) - e^{\xi 1_{1,1}}\, \xi 1_{1,3}\, \left(\xi 1_{3,8} + \xi 1_{3,5}\, \xi 1_{5,8} - e^{-\xi 1_{4,4}-\xi 1_{6,6}}\, \xi 1_{3,4}\right.$$
$$\left.\left(e^{\xi 1_{4,4}}\, \xi 1_{4,6} + e^{\xi 1_{5,5}}\, \xi 1_{4,5}\, \xi 1_{5,6}\right)\, (\xi 1_{6,8} + \xi 1_{6,7}\, \xi 1_{7,8})\right) -$$
$$\xi 1_{1,2}\, (\xi 1_{2,8} + (\xi 1_{2,7} + \xi 1_{2,6}\, \xi 1_{6,7})\, \xi 1_{7,8} + \xi 1_{2,4}\, (\xi 1_{4,8} + \xi 1_{4,5}\, (\xi 1_{5,8} + \xi 1_{5,7}\, \xi 1_{7,8}))) +$$
$$e^{-\xi 1_{4,4}-\xi 1_{6,6}-\xi 1_{7,7}}\, \left(e^{\xi 1_{1,1}}\, \xi 1_{1,4} - e^{\xi 1_{4,4}}\, \xi 1_{1,2}\, \xi 1_{2,4} + e^{\xi 1_{1,1}}\, \xi 1_{1,3}\, \xi 1_{3,4}\right)$$
$$\left(-e^{\xi 1_{6,6}+\xi 1_{7,7}}\, \xi 1_{4,8} + e^{\xi 1_{4,4}}\, \left(e^{\xi 1_{6,6}}\, \xi 1_{4,7}\, \xi 1_{7,8} + e^{\xi 1_{7,7}}\, \xi 1_{4,6}\, (\xi 1_{6,8} + \xi 1_{6,7}\, \xi 1_{7,8})\right) -\right.$$
$$\left.\left. e^{\xi 1_{7,7}}\, \xi 1_{4,5}\, \left(e^{\xi 1_{6,6}}\, \xi 1_{5,8} - e^{\xi 1_{5,5}}\, \xi 1_{5,6}\, (\xi 1_{6,8} + \xi 1_{6,7}\, \xi 1_{7,8})\right)\right)\right),$$

$$\xi 2_{1,9} \to \xi 1_{1,9} - \xi 1_{1,3}\,\xi 1_{3,9} - e^{-\xi 1_{4,4}}\,\xi 1_{1,4}\,\xi 1_{4,9} + e^{-\xi 1_{1,1}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,9} -$$
$$e^{-\xi 1_{1,1}+\xi 1_{6,6}}\,\xi 1_{1,2}\,\xi 1_{2,6}\,\xi 1_{6,9} - e^{-\xi 1_{1,1}+\xi 1_{4,4}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,9} -$$
$$e^{-\xi 1_{1,1}+\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,9} - e^{\xi 1_{9,9}}\,\xi 1_{1,8}\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{4,4}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,8}\,\xi 1_{8,9} - e^{\xi 1_{9,9}}\,\xi 1_{1,5}\,\xi 1_{5,8}\,\xi 1_{8,9} -$$
$$e^{-\xi 1_{1,1}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,8}\,\xi 1_{8,9} + e^{-\xi 1_{4,4}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,9} -$$
$$e^{-\xi 1_{1,1}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{4,4}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,9} + e^{-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{1,1}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} - e^{-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{1,1}+\xi 1_{4,4}-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} +$$
$$e^{\xi 1_{5,5}-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{1,1}+\xi 1_{5,5}-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} -$$
$$e^{-\xi 1_{4,4}+\xi 1_{5,5}-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{1,1}+\xi 1_{5,5}-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9} +$$
$$e^{-\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{1,3}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{3,8} + \xi 1_{3,5}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{5,8} - e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\right)\right)\,\xi 1_{8,9} -$$
$$e^{-\xi 1_{4,4}-\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,4}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{4,9} - e^{\xi 1_{9,9}}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{4,8} - e^{\xi 1_{4,4}}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8} +\right.\right.$$
$$\left.\left.\xi 1_{4,5}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{5,8} + \left(e^{\xi 1_{6,6}}\,\xi 1_{5,7} - e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\xi 1_{6,7}\right)\,\xi 1_{7,8}\right)\right)\,\xi 1_{8,9}\right),$$
$$\xi 2_{1,10} \to e^{\xi 1_{1,1}}\,\xi 1_{1,10} - e^{-\xi 1_{6,6}}\,\xi 1_{1,2}\,\left(-e^{\xi 1_{6,6}}\,\xi 1_{2,10} + e^{\xi 1_{6,6}}\,\xi 1_{2,6}\,\xi 1_{6,10} - e^{\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{2,7}\,\xi 1_{7,10} +\right.$$
$$e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,10} + e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,10} + e^{\xi 1_{6,6}}\,\xi 1_{2,7}\,\xi 1_{7,8}$$
$$\xi 1_{8,10} - e^{\xi 1_{4,4}}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} - e^{\xi 1_{5,5}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} -$$
$$e^{\xi 1_{2,2}+\xi 1_{6,6}}\,\xi 1_{2,9}\,\xi 1_{9,10} - e^{\xi 1_{6,6}}\,\xi 1_{2,4}\,\xi 1_{4,9}\,\xi 1_{9,10} + e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,8}\,\xi 1_{8,9}\,\xi 1_{9,10} + e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,4}$$
$$\xi 1_{4,8}\,\xi 1_{8,9}\,\xi 1_{9,10} + e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10} + e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} +$$
$$e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} - e^{\xi 1_{4,4}+\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} -$$
$$e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{2,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} + \xi 1_{2,5}\,\left(-e^{\xi 1_{6,6}}\,\xi 1_{5,10} +\right.$$
$$\left.e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\left(\xi 1_{6,10} + \xi 1_{6,7}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{7,10} - \xi 1_{7,8}\,\left(\xi 1_{8,10} + e^{\xi 1_{9,9}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right) + e^{\xi 1_{6,6}}\right.$$
$$\left.\left.\left(e^{\xi 1_{9,9}}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10} + \xi 1_{5,7}\,\left(-e^{\xi 1_{7,7}}\,\xi 1_{7,10} + \xi 1_{7,8}\,\left(\xi 1_{8,10} + e^{\xi 1_{9,9}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right)\right)\right) +$$
$$e^{\xi 1_{1,1}-\xi 1_{4,4}-\xi 1_{6,6}-\xi 1_{7,7}}\,\left(-e^{\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,10} - e^{\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,10} -\right.$$
$$e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{1,6}\,\xi 1_{6,10} + e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,10} - e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,10} +$$
$$e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,10} + e^{\xi 1_{4,4}+\xi 1_{6,6}+2\,\xi 1_{7,7}}\,\xi 1_{1,7}\,\xi 1_{7,10} - e^{\xi 1_{4,4}+2\,\xi 1_{7,7}}\,\xi 1_{1,6}\,\xi 1_{6,7}\,\xi 1_{7,10} +$$
$$e^{\xi 1_{4,4}+2\,\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,10} - e^{\xi 1_{4,4}+\xi 1_{5,5}+2\,\xi 1_{7,7}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,10} +$$
$$e^{\xi 1_{5,5}+2\,\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,10} - e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{1,4}\,\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10} +$$
$$e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{1,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} - e^{\xi 1_{4,4}+\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} +$$
$$e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} - e^{\xi 1_{5,5}+\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10} +$$
$$e^{\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{1,9}\,\xi 1_{9,10} - e^{\xi 1_{6,6}+\xi 1_{7,7}}\,\xi 1_{1,4}\,\xi 1_{4,9}\,\xi 1_{9,10} - e^{\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,8}\,\xi 1_{8,9}\,\xi 1_{9,10} +$$
$$e^{\xi 1_{6,6}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,8}\,\xi 1_{8,9}\,\xi 1_{9,10} - e^{\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,5}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10} +$$
$$e^{\xi 1_{6,6}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10} + e^{\xi 1_{6,6}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} +$$
$$e^{\xi 1_{4,4}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} - e^{\xi 1_{4,4}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} +$$
$$e^{\xi 1_{4,4}+\xi 1_{5,5}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} -$$
$$e^{\xi 1_{5,5}+\xi 1_{7,7}+\xi 1_{9,9}}\,\xi 1_{1,4}\,\xi 1_{4,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,9}\,\xi 1_{9,10} + e^{\xi 1_{7,7}}\,\xi 1_{1,3}\,\left(-e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{3,10} -\right.$$
$$\left(e^{\xi 1_{4,4}+\xi 1_{6,6}}\,\xi 1_{3,9} - e^{\xi 1_{4,4}+\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{3,8}\,\xi 1_{8,9} + \xi 1_{3,4}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{4,9} - e^{\xi 1_{9,9}}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{4,8} - e^{\xi 1_{4,4}}\right.\right.\right.$$
$$\left.\left.\left.\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8} + \xi 1_{4,5}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{5,8} + \left(e^{\xi 1_{6,6}}\,\xi 1_{5,7} - e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\xi 1_{6,7}\right)\,\xi 1_{7,8}\right)\right)\right.\right.$$
$$\left.\left.\left.\xi 1_{8,9}\right)\right)\,\xi 1_{9,10} - e^{\xi 1_{4,4}}\,\xi 1_{3,5}\,\left(e^{\xi 1_{6,6}}\,\xi 1_{5,10} - e^{\xi 1_{6,6}+\xi 1_{9,9}}\,\xi 1_{5,8}\,\xi 1_{8,9}\,\xi 1_{9,10} -\right.\right.$$
$$\left.\left.\left.\left.e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\left(\xi 1_{6,10} + \xi 1_{6,7}\,\left(e^{\xi 1_{7,7}}\,\xi 1_{7,10} - \xi 1_{7,8}\,\left(\xi 1_{8,10} + e^{\xi 1_{9,9}}\,\xi 1_{8,9}\,\xi 1_{9,10}\right)\right)\right)\right)\right)\right)\right),$$
$$\xi 2_{2,3} \to \xi 1_{2,3},\ \xi 2_{2,4} \to e^{-\xi 1_{2,2}+\xi 1_{4,4}}\,\xi 1_{2,4},\ \xi 2_{2,5} \to \xi 1_{2,5},\ \xi 2_{2,6} \to e^{-\xi 1_{2,2}-\xi 1_{6,6}}$$
$$\left(e^{\xi 1_{6,6}}\,\xi 1_{2,6} + \xi 1_{2,4}\,\left(e^{\xi 1_{4,4}}\,\xi 1_{4,6} + e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,6}\right)\right),$$

$$\xi 2_{2,7} \to \xi 1_{2,7} + \xi 1_{2,4} \left(e^{\xi 1_{4,4}-\xi 1_{7,7}} \xi 1_{4,7} + \xi 1_{4,5} \xi 1_{5,7}\right) + \xi 1_{2,6} \xi 1_{6,7},$$

$$\xi 2_{2,8} \to e^{-\xi 1_{2,2}} \left(\xi 1_{2,8} + \left(\xi 1_{2,7} + \xi 1_{2,6} \xi 1_{6,7}\right) \xi 1_{7,8} + \xi 1_{2,4} \left(\xi 1_{4,8} + \xi 1_{4,5} \left(\xi 1_{5,8} + \xi 1_{5,7} \xi 1_{7,8}\right)\right)\right),$$

$$\xi 2_{2,9} \to e^{-\xi 1_{2,2}} \left(e^{\xi 1_{2,2}} \xi 1_{2,9} - e^{\xi 1_{9,9}} \xi 1_{2,5} \xi 1_{5,9} + e^{\xi 1_{6,6}} \xi 1_{2,6} \xi 1_{6,9} + \xi 1_{2,4} \left(\xi 1_{4,9} + \left(e^{\xi 1_{4,4}} \xi 1_{4,6} + e^{\xi 1_{5,5}} \xi 1_{4,5} \xi 1_{5,6}\right) \xi 1_{6,9}\right)\right),$$

$$\xi 2_{2,10} \to \xi 1_{2,10} - \xi 1_{2,6} \xi 1_{6,10} + e^{\xi 1_{2,2}} \xi 1_{2,9} \xi 1_{9,10} + \xi 1_{2,4} \xi 1_{4,9} \xi 1_{9,10} - e^{\xi 1_{9,9}} \xi 1_{2,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,5} \xi 1_{5,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{9,9}} \xi 1_{2,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,5} \xi 1_{5,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + e^{\xi 1_{4,4}-\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + e^{\xi 1_{5,5}-\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,5} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + \xi 1_{2,5} \left(\xi 1_{5,10} - e^{\xi 1_{9,9}} \xi 1_{5,8} \xi 1_{8,9} \xi 1_{9,10} - e^{\xi 1_{5,5}-\xi 1_{6,6}} \xi 1_{5,6} \left(\xi 1_{6,10} - e^{\xi 1_{9,9}} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10}\right) + \xi 1_{5,7} \left(e^{\xi 1_{7,7}} \xi 1_{7,10} - \xi 1_{7,8} \left(\xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{8,9} \xi 1_{9,10}\right)\right)\right),$$

$$\xi 2_{3,4} \to e^{\xi 1_{3,3}} \xi 1_{3,4}, \xi 2_{3,5} \to e^{\xi 1_{5,5}} \left(\xi 1_{3,5} - e^{-\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,5}\right),$$

$$\xi 2_{3,6} \to e^{\xi 1_{3,3}} \left(\xi 1_{3,6} + e^{\xi 1_{5,5}} \xi 1_{3,5} \xi 1_{5,6} + \xi 1_{3,4} \left(-\xi 1_{4,6} - e^{-\xi 1_{4,4}+\xi 1_{5,5}} \xi 1_{4,5} \xi 1_{5,6}\right)\right),$$

$$\xi 2_{3,7} \to e^{\xi 1_{3,3}} \left(e^{\xi 1_{7,7}} \xi 1_{3,7} + \xi 1_{3,4} \xi 1_{4,7}\right),$$

$$\xi 2_{3,8} \to e^{\xi 1_{3,3}} \left(\xi 1_{3,8} + \xi 1_{3,5} \xi 1_{5,8} - e^{-\xi 1_{4,4}-\xi 1_{6,6}} \xi 1_{3,4} \left(e^{\xi 1_{4,4}} \xi 1_{4,6} + e^{\xi 1_{5,5}} \xi 1_{4,5} \xi 1_{5,6}\right) \left(\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}\right)\right),$$

$$\xi 2_{3,9} \to e^{\xi 1_{3,3}} \left(\xi 1_{3,9} + e^{\xi 1_{5,5}} \xi 1_{3,5} \xi 1_{5,6} \xi 1_{6,9} - e^{-\xi 1_{4,4}-\xi 1_{6,6}} \xi 1_{3,4} \left(e^{\xi 1_{4,4}} \xi 1_{4,6} + e^{\xi 1_{5,5}} \xi 1_{4,5} \xi 1_{5,6}\right) \left(e^{\xi 1_{6,6}} \xi 1_{6,9} + e^{\xi 1_{9,9}} \xi 1_{6,8} \xi 1_{8,9}\right)\right),$$

$$\xi 2_{3,10} \to e^{\xi 1_{3,3}} \left(\xi 1_{3,10} - e^{-\xi 1_{4,4}} \xi 1_{3,4} \xi 1_{4,5} \xi 1_{5,10} + e^{\xi 1_{7,7}} \xi 1_{3,7} \xi 1_{7,10} + \xi 1_{3,4} \xi 1_{4,7} \xi 1_{7,10} - e^{-\xi 1_{7,7}} \xi 1_{3,4} \xi 1_{4,7} \xi 1_{7,8} \xi 1_{8,10} + \xi 1_{3,9} \xi 1_{9,10} - \xi 1_{3,4} \xi 1_{4,6} \xi 1_{6,9} \xi 1_{9,10} - e^{-\xi 1_{4,4}+\xi 1_{5,5}} \xi 1_{3,4} \xi 1_{4,5} \xi 1_{5,6} \xi 1_{6,9} \xi 1_{9,10} - e^{\xi 1_{9,9}} \xi 1_{3,8} \xi 1_{8,9} \xi 1_{9,10} + e^{-\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + e^{-\xi 1_{4,4}+\xi 1_{5,5}-\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,5} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10} + \xi 1_{3,5} \left(\xi 1_{5,10} + \left(e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,9} - e^{\xi 1_{9,9}} \xi 1_{5,8} \xi 1_{8,9}\right) \xi 1_{9,10}\right)\right),$$

$$\xi 2_{4,5} \to e^{-\xi 1_{4,4}+\xi 1_{5,5}} \xi 1_{4,5}, \xi 2_{4,6} \to e^{-\xi 1_{4,4}-\xi 1_{6,6}} \left(e^{\xi 1_{4,4}} \xi 1_{4,6} + e^{\xi 1_{5,5}} \xi 1_{4,5} \xi 1_{5,6}\right),$$

$$\xi 2_{4,7} \to e^{-\xi 1_{7,7}} \xi 1_{4,7} + e^{-\xi 1_{4,4}} \xi 1_{4,5} \xi 1_{5,7}, \xi 2_{4,8} \to e^{-\xi 1_{4,4}-\xi 1_{6,6}-\xi 1_{7,7}-\xi 1_{8,8}} \left(e^{\xi 1_{6,6}+\xi 1_{7,7}} \xi 1_{4,8} - e^{\xi 1_{4,4}} \left(e^{\xi 1_{6,6}} \xi 1_{4,7} \xi 1_{7,8} + e^{\xi 1_{7,7}} \xi 1_{4,6} \left(\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}\right)\right) + e^{\xi 1_{7,7}} \xi 1_{4,5} \left(e^{\xi 1_{6,6}} \xi 1_{5,8} - e^{\xi 1_{5,5}} \xi 1_{5,6} \left(\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}\right)\right)\right),$$

$$\xi 2_{4,9} \to e^{-\xi 1_{4,4}-\xi 1_{6,6}} \left(e^{\xi 1_{6,6}} \xi 1_{4,9} - e^{\xi 1_{9,9}} \left(e^{\xi 1_{6,6}} \xi 1_{4,8} - e^{\xi 1_{4,4}} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} + \xi 1_{4,5} \left(e^{\xi 1_{6,6}} \xi 1_{5,8} + \left(e^{\xi 1_{6,6}} \xi 1_{5,7} - e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,7}\right) \xi 1_{7,8}\right) \xi 1_{8,9}\right)\right),$$

$$\xi 2_{4,10} \to e^{\xi 1_{10,10}} \left(\xi 1_{4,10} - e^{-\xi 1_{6,6}} \xi 1_{4,6} \xi 1_{6,10} + e^{-\xi 1_{4,4}-\xi 1_{6,6}} \xi 1_{4,5} \left(e^{\xi 1_{6,6}} \xi 1_{5,10} - e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,10}\right) + e^{-\xi 1_{7,7}} \xi 1_{4,7} \xi 1_{7,8} \xi 1_{8,10}\right), \xi 2_{5,6} \to e^{\xi 1_{5,5}-\xi 1_{6,6}} \xi 1_{5,6}, \xi 2_{5,7} \to e^{-\xi 1_{5,5}+\xi 1_{7,7}} \xi 1_{5,7},$$

$$\xi 2_{5,8} \to e^{-\xi 1_{5,5}} \xi 1_{5,8} + e^{-\xi 1_{5,5}} \xi 1_{5,7} \xi 1_{7,8} - e^{-\xi 1_{6,6}} \xi 1_{5,6} \left(\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}\right),$$

$$\xi 2_{5,9} \to e^{-\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,9} + \xi 1_{5,6} \left(\xi 1_{6,9} - e^{-\xi 1_{6,6}+\xi 1_{9,9}} \left(\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}\right) \xi 1_{8,9}\right),$$

$$\xi 2_{5,10} \to \xi 1_{5,10} + e^{\xi 1_{9,9}} \left(\xi 1_{5,9} - \xi 1_{5,8} \xi 1_{8,9}\right) \xi 1_{9,10} - e^{\xi 1_{5,5}-\xi 1_{6,6}} \xi 1_{5,6} \left(\xi 1_{6,10} - e^{\xi 1_{9,9}} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9} \xi 1_{9,10}\right) + \xi 1_{5,7} \left(e^{\xi 1_{7,7}} \xi 1_{7,10} - \xi 1_{7,8} \left(\xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{8,9} \xi 1_{9,10}\right)\right),$$

$$\xi 2_{6,7} \to \xi 1_{6,7}, \xi 2_{6,8} \to e^{-\xi 1_{8,8}} \left(\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}\right),$$

$$\xi 2_{6,9} \to e^{\xi 1_{6,6}} \xi 1_{6,9} - e^{\xi 1_{9,9}} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9},$$

$$\xi 2_{6,10} \to e^{-\xi 1_{6,6}+\xi 1_{10,10}} \left(\xi 1_{6,10} + \left(e^{\xi 1_{6,6}} \xi 1_{6,9} - e^{\xi 1_{9,9}} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,9}\right) \xi 1_{9,10}\right),$$
$$\xi 2_{7,8} \to e^{-\xi 1_{8,8}} \xi 1_{7,8},\ \xi 2_{7,9} \to e^{-\xi 1_{9,9}} \xi 1_{7,9} - \xi 1_{7,8} \xi 1_{8,9},$$
$$\xi 2_{7,10} \to e^{\xi 1_{7,7}} \xi 1_{7,10} - \xi 1_{7,8} \xi 1_{8,10},$$
$$\xi 2_{8,9} \to e^{\xi 1_{8,8}+\xi 1_{9,9}} \xi 1_{8,9},$$
$$\xi 2_{8,10} \to e^{\xi 1_{10,10}} \left(\xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{8,9} \xi 1_{9,10}\right),$$
$$\xi 2_{9,10} \to \xi 1_{9,10}\Big\}\Big\},$$

$$\Big\{\mathrm{BC}_{\{x_{8,10},x_{2,5},x_{7,8},x_{7,9},x_{4,7},x_{2,6},x_{4,6},x_{5,8},x_{2,2},x_{4,5},x_{5,5},x_{3,5},x_{2,3},x_{3,4},x_{3,10},x_{6,7},x_{6,9},x_{1,9},x_{5,9},x_{5,10},x_{6,10},x_{2,9},x_{4,8},x_{5,7},x_{7,10},x_{10,10},x_{8,9},x_{5,}$$
$$, \Big\{\xi 2_{1,1} \to \xi 1_{1,1}, \xi 2_{2,2} \to \xi 1_{2,2}, \xi 2_{3,3} \to \xi 1_{3,3}, \xi 2_{4,4} \to \xi 1_{4,4}, \xi 2_{5,5} \to \xi 1_{5,5}, \xi 2_{6,6} \to \xi 1_{6,6},$$
$$\xi 2_{7,7} \to \xi 1_{7,7}, \xi 2_{8,8} \to \xi 1_{8,8}, \xi 2_{9,9} \to \xi 1_{9,9}, \xi 2_{10,10} \to \xi 1_{10,10}, \xi 2_{1,2} \to e^{-\xi 1_{2,2}} \xi 1_{1,2},$$
$$\xi 2_{1,3} \to \xi 1_{1,3} - \xi 1_{1,2} \xi 1_{2,3}, \xi 2_{1,4} \to \xi 1_{1,4} - e^{-\xi 1_{1,1}+\xi 1_{4,4}} (\xi 1_{1,3} - \xi 1_{1,2} \xi 1_{2,3}) \xi 1_{3,4},$$
$$\xi 2_{1,5} \to e^{-\xi 1_{1,1}-\xi 1_{2,2}} \left(e^{\xi 1_{2,2}} \xi 1_{1,5} - e^{\xi 1_{2,2}} \xi 1_{1,3} \xi 1_{3,5} + \xi 1_{1,2} \left(-e^{\xi 1_{5,5}} \xi 1_{2,5} + e^{\xi 1_{2,2}} \xi 1_{2,3} \xi 1_{3,5}\right)\right),$$
$$\xi 2_{1,6} \to e^{-\xi 1_{6,6}} \left(\xi 1_{1,6} - e^{\xi 1_{6,6}} \xi 1_{1,3} \xi 1_{3,5} \xi 1_{5,6} + \xi 1_{1,2} \xi 1_{2,3} \left(e^{\xi 1_{3,3}} \xi 1_{3,6} + e^{\xi 1_{6,6}} \xi 1_{3,5} \xi 1_{5,6}\right)\right),$$
$$\xi 2_{1,7} \to e^{-\xi 1_{7,7}} \xi 1_{1,7} + \xi 1_{1,2} \left(e^{-\xi 1_{4,4}} \xi 1_{2,4} + \xi 1_{2,3} \xi 1_{3,4}\right) \xi 1_{4,7} - \xi 1_{1,5} \xi 1_{5,7} - e^{-\xi 1_{6,6}} \xi 1_{1,6} \xi 1_{6,7} +$$
$$\xi 1_{1,5} \xi 1_{5,6} \xi 1_{6,7}, \xi 2_{1,8} \to \xi 1_{1,8} - \xi 1_{1,3} \xi 1_{3,4} \xi 1_{4,8} - e^{-\xi 1_{5,5}} \xi 1_{1,5} \xi 1_{5,8} + e^{-\xi 1_{5,5}} \xi 1_{1,3} \xi 1_{3,5} \xi 1_{5,8} -$$
$$e^{-\xi 1_{8,8}} \xi 1_{1,6} \xi 1_{6,8} - e^{-\xi 1_{7,7}} \xi 1_{1,7} \xi 1_{7,8} + \xi 1_{1,5} \xi 1_{5,7} \xi 1_{7,8} + e^{-\xi 1_{6,6}} \xi 1_{1,6} \xi 1_{6,7} \xi 1_{7,8} -$$
$$\xi 1_{1,5} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,8} + \xi 1_{1,2} \left(e^{-\xi 1_{4,4}} \xi 1_{2,4} (\xi 1_{4,8} - \xi 1_{4,5} \xi 1_{5,8} - \xi 1_{4,7} \xi 1_{7,8}) +\right.$$
$$\left.\xi 1_{2,3} \left(-e^{-\xi 1_{5,5}} \xi 1_{3,5} \xi 1_{5,8} + \xi 1_{3,4} (\xi 1_{4,8} - \xi 1_{4,5} \xi 1_{5,8} - \xi 1_{4,7} \xi 1_{7,8})\right)\right),$$
$$\xi 2_{1,9} \to \xi 1_{1,9} + e^{\xi 1_{3,3}-\xi 1_{9,9}} \xi 1_{1,2} \xi 1_{2,3} \xi 1_{3,9} - \xi 1_{1,3} \xi 1_{3,5} (\xi 1_{5,9} - \xi 1_{5,6} \xi 1_{6,9}) -$$
$$e^{-\xi 1_{9,9}} \xi 1_{1,3} \xi 1_{3,4} \left(e^{\xi 1_{4,4}} \xi 1_{4,9} + e^{\xi 1_{9,9}} \xi 1_{4,8} \xi 1_{8,9}\right) - e^{-\xi 1_{4,4}} \xi 1_{1,2} \xi 1_{2,4} \xi 1_{4,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}) -$$
$$e^{-\xi 1_{7,7}} \left(\xi 1_{1,7} - e^{\xi 1_{7,7}} \xi 1_{1,5} (\xi 1_{5,7} - \xi 1_{5,6} \xi 1_{6,7})\right) (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}) -$$
$$e^{-\xi 1_{6,6}} \xi 1_{1,6} (\xi 1_{6,9} - \xi 1_{6,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9})) -$$
$$e^{-\xi 1_{2,2}} \xi 1_{1,2} \xi 1_{2,5} \left(e^{\xi 1_{5,5}} \xi 1_{5,9} + \xi 1_{5,8} \xi 1_{8,9} - e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9})\right) +$$
$$\xi 1_{1,2} \xi 1_{2,3} \left(2 \xi 1_{3,5} \xi 1_{5,9} - e^{\xi 1_{3,3}-\xi 1_{6,6}} \xi 1_{3,6} \xi 1_{6,9} +\right.$$
$$\left.e^{-\xi 1_{5,5}} \xi 1_{3,5} \xi 1_{5,8} \xi 1_{8,9} - \xi 1_{3,5} \xi 1_{5,6} (\xi 1_{6,9} + \xi 1_{6,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9}))\right) +$$
$$e^{-\xi 1_{9,9}} \xi 1_{1,2} \xi 1_{2,3} \xi 1_{3,4} \left(e^{\xi 1_{4,4}} \xi 1_{4,9} - e^{\xi 1_{9,9}} \left(\xi 1_{4,7} \xi 1_{7,9} - \xi 1_{4,8} \xi 1_{8,9} + \xi 1_{4,7} \xi 1_{7,8} \xi 1_{8,9} +\right.\right.$$
$$\left.\left.\xi 1_{4,5} \left(e^{\xi 1_{5,5}} \xi 1_{5,9} + \xi 1_{5,8} \xi 1_{8,9} - e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9})\right)\right)\right),$$
$$\xi 2_{1,10} \to e^{-\xi 1_{10,10}} \xi 1_{1,10} - \xi 1_{1,3} \xi 1_{3,10} - e^{\xi 1_{4,4}-\xi 1_{10,10}} \xi 1_{1,3} \xi 1_{3,4} \xi 1_{4,10} - \xi 1_{1,5} \xi 1_{5,10} -$$
$$e^{-\xi 1_{6,6}} \xi 1_{1,6} \xi 1_{6,10} + \xi 1_{1,3} \xi 1_{3,5} \xi 1_{5,6} \xi 1_{6,10} - e^{-\xi 1_{7,7}} \xi 1_{1,7} \xi 1_{7,10} - \xi 1_{1,5} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,10} +$$
$$\xi 1_{1,3} \xi 1_{3,5} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,10} + \xi 1_{1,2} \left(-e^{-\xi 1_{10,10}} \xi 1_{2,10} + e^{\xi 1_{4,4}-\xi 1_{10,10}} \xi 1_{2,3} \xi 1_{3,4} \xi 1_{4,10} +\right.$$
$$\left.e^{-\xi 1_{2,2}+\xi 1_{5,5}} \xi 1_{2,5} \xi 1_{5,6} (\xi 1_{6,10} + \xi 1_{6,7} \xi 1_{7,10}) - \xi 1_{2,3} \xi 1_{3,5} \xi 1_{5,6} (\xi 1_{6,10} + \xi 1_{6,7} \xi 1_{7,10})\right),$$
$$\xi 2_{2,3} \to e^{\xi 1_{2,2}+\xi 1_{3,3}} \xi 1_{2,3}, \xi 2_{2,4} \to e^{\xi 1_{2,2}-\xi 1_{4,4}} \left(\xi 1_{2,4} + e^{\xi 1_{4,4}} \xi 1_{2,3} \xi 1_{3,4}\right),$$
$$\xi 2_{2,5} \to e^{\xi 1_{5,5}} \xi 1_{2,5} - e^{\xi 1_{2,2}} \xi 1_{2,3} \left(\xi 1_{3,5} - e^{\xi 1_{5,5}} \xi 1_{3,4} \xi 1_{4,5}\right),$$
$$\xi 2_{2,6} \to \xi 1_{2,6} - e^{\xi 1_{2,2}-\xi 1_{4,4}} \xi 1_{2,4} \xi 1_{4,6} + e^{\xi 1_{2,2}} \xi 1_{2,3} \left(e^{\xi 1_{3,3}-\xi 1_{6,6}} \xi 1_{3,6} - \xi 1_{3,4} \xi 1_{4,6}\right) + e^{\xi 1_{5,5}} \xi 1_{2,5} \xi 1_{5,6},$$
$$\xi 2_{2,7} \to e^{\xi 1_{2,2}} \left(\xi 1_{2,7} + e^{\xi 1_{7,7}} \left(-e^{-\xi 1_{4,4}} \xi 1_{2,4} \xi 1_{4,7} + \xi 1_{2,3} \left(\xi 1_{3,7} + \xi 1_{3,5} \xi 1_{5,7} - e^{\xi 1_{3,3}-\xi 1_{6,6}} \xi 1_{3,6} \xi 1_{6,7} -\right.\right.\right.$$
$$\left.\left.\left.\xi 1_{3,5} \xi 1_{5,6} \xi 1_{6,7} - \xi 1_{3,4} \left(\xi 1_{4,7} + e^{\xi 1_{5,5}} \xi 1_{4,5} (\xi 1_{5,7} - \xi 1_{5,6} \xi 1_{6,7})\right)\right)\right)\right),$$
$$\xi 2_{2,8} \to e^{\xi 1_{2,2}} \left(e^{-\xi 1_{8,8}} \xi 1_{2,8} - e^{-\xi 1_{4,4}} \xi 1_{2,4} (\xi 1_{4,8} - \xi 1_{4,5} \xi 1_{5,8}) +\right.$$
$$\left.\xi 1_{2,3} \left(e^{\xi 1_{3,3}-\xi 1_{8,8}} \xi 1_{3,8} + e^{-\xi 1_{5,5}} \xi 1_{3,5} \xi 1_{5,8} - e^{\xi 1_{3,3}-\xi 1_{8,8}} \xi 1_{3,6} \xi 1_{6,8}\right)\right),$$
$$\xi 2_{2,9} \to e^{\xi 1_{2,2}} \xi 1_{2,9} + e^{\xi 1_{2,2}+\xi 1_{3,3}-\xi 1_{9,9}} \xi 1_{2,3} \xi 1_{3,9} - e^{\xi 1_{2,2}-\xi 1_{4,4}} \xi 1_{2,4} (\xi 1_{4,8} - \xi 1_{4,5} \xi 1_{5,8}) \xi 1_{8,9} -$$
$$e^{\xi 1_{5,5}} \xi 1_{2,5} \xi 1_{5,6} (\xi 1_{6,9} - \xi 1_{6,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9})) +$$
$$e^{\xi 1_{2,2}} \xi 1_{2,3} \left(-e^{\xi 1_{3,3}-\xi 1_{6,6}} \xi 1_{3,6} \xi 1_{6,9} - e^{\xi 1_{5,5}} \xi 1_{3,4} \xi 1_{4,5} (\xi 1_{5,9} - \xi 1_{5,6} \xi 1_{6,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9})) +\right.$$
$$\left.\xi 1_{3,5} \left(\xi 1_{5,9} + e^{-\xi 1_{5,5}} \xi 1_{5,8} \xi 1_{8,9} - \xi 1_{5,6} \xi 1_{6,7} (\xi 1_{7,9} + \xi 1_{7,8} \xi 1_{8,9})\right)\right),$$

$$\xi 2_{2,10} \to e^{\xi 1_{2,2}-\xi 1_{10,10}}\,\xi 1_{2,10} - e^{\xi 1_{5,5}}\,\xi 1_{2,5}\,\xi 1_{5,6}\,(\xi 1_{6,10} + \xi 1_{6,7}\,\xi 1_{7,10}) +$$
$$e^{\xi 1_{2,2}}\Big(-e^{-\xi 1_{4,4}}\,\xi 1_{2,4}\,\xi 1_{4,7}\,\xi 1_{7,10} + \xi 1_{2,3}\Big(\Big(\xi 1_{3,7} - e^{\xi 1_{3,3}-\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,7}\Big)\,\xi 1_{7,10} + \xi 1_{3,5}\,(\xi 1_{5,6}\,\xi 1_{6,10} +$$
$$\xi 1_{5,7}\,\xi 1_{7,10}) - \xi 1_{3,4}\,\Big(\xi 1_{4,7}\,\xi 1_{7,10} + e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,(\xi 1_{5,6}\,\xi 1_{6,10} + \xi 1_{5,7}\,\xi 1_{7,10})\Big)\Big)\Big),$$
$$\xi 2_{3,4} \to \xi 1_{3,4},\ \xi 2_{3,5} \to e^{-\xi 1_{3,3}}\,\Big(\xi 1_{3,5} - e^{\xi 1_{5,5}}\,\xi 1_{3,4}\,\xi 1_{4,5}\Big),\ \xi 2_{3,6} \to e^{\xi 1_{3,3}-\xi 1_{6,6}}\,\xi 1_{3,6} +$$
$$\xi 1_{3,5}\,\xi 1_{5,6} - \xi 1_{3,4}\,\Big(\xi 1_{4,6} + e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,\xi 1_{5,6}\Big),$$
$$\xi 2_{3,7} \to \xi 1_{3,7} + \xi 1_{3,5}\,\xi 1_{5,7} - e^{\xi 1_{3,3}-\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,7} - \xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7} -$$
$$\xi 1_{3,4}\,\Big(\xi 1_{4,7} + e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,(\xi 1_{5,7} - \xi 1_{5,6}\,\xi 1_{6,7})\Big),\ \xi 2_{3,8} \to e^{\xi 1_{3,3}}\,\xi 1_{3,8} -$$
$$e^{\xi 1_{8,8}}\,\Big(\xi 1_{3,7} + \xi 1_{3,5}\,(\xi 1_{5,7} - \xi 1_{5,6}\,\xi 1_{6,7}) - \xi 1_{3,4}\,\Big(\xi 1_{4,7} + e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,(\xi 1_{5,7} - \xi 1_{5,6}\,\xi 1_{6,7})\Big)\Big)\,\xi 1_{7,8} +$$
$$e^{\xi 1_{3,3}}\,\xi 1_{3,6}\,\Big(-\xi 1_{6,8} + e^{-\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{6,7}\,\xi 1_{7,8}\Big),$$
$$\xi 2_{3,9} \to e^{\xi 1_{3,3}-\xi 1_{9,9}}\,\xi 1_{3,9} - \xi 1_{3,7}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9}) + \xi 1_{3,5}\,(\xi 1_{5,9} - \xi 1_{5,7}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9})) +$$
$$\xi 1_{3,4}\,\Big(\xi 1_{4,7}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9}) - e^{\xi 1_{5,5}}\,\xi 1_{4,5}\,(\xi 1_{5,9} - \xi 1_{5,7}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9})) +$$
$$\xi 1_{4,6}\,(-\xi 1_{6,9} + \xi 1_{6,7}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9}))\Big),$$
$$\xi 2_{3,10} \to e^{-\xi 1_{3,3}}\,\xi 1_{3,10} - e^{-\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,10} + e^{-\xi 1_{3,3}}\,\Big(-\xi 1_{3,7}\,\xi 1_{7,10} -$$
$$\xi 1_{3,5}\,(\xi 1_{5,6}\,\xi 1_{6,10} + \xi 1_{5,7}\,\xi 1_{7,10}) + e^{\xi 1_{5,5}}\,\xi 1_{3,4}\,\xi 1_{4,5}\,(\xi 1_{5,6}\,\xi 1_{6,10} + \xi 1_{5,7}\,\xi 1_{7,10})\Big),$$
$$\xi 2_{4,5} \to e^{\xi 1_{5,5}}\,\xi 1_{4,5},\ \xi 2_{4,6} \to \xi 1_{4,6},\ \xi 2_{4,7} \to e^{-\xi 1_{4,4}+\xi 1_{7,7}}\,(\xi 1_{4,7} + \xi 1_{4,6}\,\xi 1_{6,7}),$$
$$\xi 2_{4,8} \to \xi 1_{4,8} - \xi 1_{4,5}\,\xi 1_{5,8},$$
$$\xi 2_{4,9} \to e^{\xi 1_{4,4}-\xi 1_{9,9}}\,\xi 1_{4,9} + \xi 1_{4,6}\,\xi 1_{6,9} + (\xi 1_{4,8} - \xi 1_{4,5}\,\xi 1_{5,8})\,\xi 1_{8,9},$$
$$\xi 2_{4,10} \to e^{\xi 1_{4,4}-\xi 1_{10,10}}\,\xi 1_{4,10} + \xi 1_{4,7}\,\xi 1_{7,10} + \xi 1_{4,6}\,(\xi 1_{6,10} + \xi 1_{6,7}\,\xi 1_{7,10}),$$
$$\xi 2_{5,6} \to \xi 1_{5,6},\ \xi 2_{5,7} \to e^{\xi 1_{7,7}}\,(\xi 1_{5,7} - \xi 1_{5,6}\,\xi 1_{6,7}),$$
$$\xi 2_{5,8} \to e^{-\xi 1_{5,5}+\xi 1_{8,8}}\,\xi 1_{5,8},$$
$$\xi 2_{5,9} \to \xi 1_{5,9} + e^{-\xi 1_{5,5}}\,\xi 1_{5,8}\,\xi 1_{8,9} - \xi 1_{5,6}\,\xi 1_{6,7}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9}),$$
$$\xi 2_{5,10} \to \xi 1_{5,10} + \xi 1_{5,7}\,\xi 1_{7,10},\ \xi 2_{6,7} \to e^{\xi 1_{7,7}}\,\xi 1_{6,7},$$
$$\xi 2_{6,8} \to \xi 1_{6,8},\ \xi 2_{6,9} \to \xi 1_{6,9} - \xi 1_{6,7}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9}),$$
$$\xi 2_{6,10} \to \xi 1_{6,10} + \xi 1_{6,7}\,\xi 1_{7,10},\ \xi 2_{7,8} \to e^{-\xi 1_{7,7}}\,\xi 1_{7,8},$$
$$\xi 2_{7,9} \to e^{-\xi 1_{7,7}}\,(\xi 1_{7,9} + \xi 1_{7,8}\,\xi 1_{8,9}),$$
$$\xi 2_{7,10} \to e^{-\xi 1_{7,7}}\,(\xi 1_{7,10} - \xi 1_{7,8}\,\xi 1_{8,10}),\ \xi 2_{8,9} \to \xi 1_{8,9},$$
$$\xi 2_{8,10} \to \xi 1_{8,10},\ \xi 2_{9,10} \to e^{\xi 1_{9,9}-\xi 1_{10,10}}\,\xi 1_{9,10}\Big\}\Big\},$$
$$\Big\{\mathrm{BC}_{\{x_{1,1},x_{3,4},x_{3,10},x_{7,7},x_{2,5},x_{4,5},x_{5,9},x_{9,10},x_{1,2},x_{5,7},x_{6,7},x_{4,9},x_{7,8},x_{3,3},x_{1,8},x_{1,5},x_{3,7},x_{6,9},x_{2,9},x_{2,6},x_{1,4},x_{1,9},x_{1,6},x_{4,7},x_{5,5},x_{3,9},x_{1,10},x_{5,6},x}$$
$$,\ \Big\{\xi 2_{1,1} \to \xi 1_{1,1},\ \xi 2_{2,2} \to \xi 1_{2,2},\ \xi 2_{3,3} \to \xi 1_{3,3},\ \xi 2_{4,4} \to \xi 1_{4,4},\ \xi 2_{5,5} \to \xi 1_{5,5},\ \xi 2_{6,6} \to \xi 1_{6,6},$$
$$\xi 2_{7,7} \to \xi 1_{7,7},\ \xi 2_{8,8} \to \xi 1_{8,8},\ \xi 2_{9,9} \to \xi 1_{9,9},\ \xi 2_{10,10} \to \xi 1_{10,10},\ \xi 2_{1,2} \to e^{\xi 1_{1,1}}\,\xi 1_{1,2},\ \xi 2_{1,3} \to \xi 1_{1,3},$$
$$\xi 2_{1,4} \to e^{\xi 1_{1,1}}\,\Big(\xi 1_{1,4} - e^{-\xi 1_{3,3}}\,\xi 1_{1,3}\,\xi 1_{3,4}\Big),\ \xi 2_{1,5} \to \xi 1_{1,5} - \xi 1_{1,2}\,\xi 1_{2,5} + e^{-\xi 1_{5,5}}\,\xi 1_{1,3}\,\xi 1_{3,5},$$
$$\xi 2_{1,6} \to e^{\xi 1_{1,1}}\,\Big(\xi 1_{1,6} + \xi 1_{1,3}\,\Big(e^{-\xi 1_{6,6}}\,\xi 1_{3,6} + e^{-\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,6}\Big) + e^{\xi 1_{5,5}}\,(\xi 1_{1,5} - \xi 1_{1,2}\,\xi 1_{2,5})\,\xi 1_{5,6}\Big),$$
$$\xi 2_{1,7} \to \xi 1_{1,7} - \xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,7} - \xi 1_{1,6}\,\xi 1_{6,7} - e^{-\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,6}\,\xi 1_{6,7} -$$
$$e^{\xi 1_{5,5}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7} + e^{\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,7} + \xi 1_{1,4}\,(\xi 1_{4,7} - \xi 1_{4,6}\,\xi 1_{6,7}),\ \xi 2_{1,8} \to$$
$$e^{\xi 1_{1,1}-\xi 1_{6,6}}\,\Big(e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,8} + e^{\xi 1_{6,6}}\,\xi 1_{1,3}\,\xi 1_{3,8} + e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,4}\,\xi 1_{4,8} - e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,3}\,\xi 1_{3,5}\,\xi 1_{5,8} -$$
$$e^{\xi 1_{8,8}}\,\xi 1_{1,3}\,\xi 1_{3,6}\,\xi 1_{6,8} - e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,8} - e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,6}\,\xi 1_{6,7}\,\xi 1_{7,8} - e^{\xi 1_{8,8}}\,\xi 1_{1,3}$$
$$\xi 1_{3,6}\,\xi 1_{6,7}\,\xi 1_{7,8} - e^{\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,8} - e^{\xi 1_{5,5}+\xi 1_{6,6}+\xi 1_{8,8}}\,\xi 1_{1,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8} +$$
$$e^{\xi 1_{6,6}}\,\xi 1_{1,2}\,\Big(e^{\xi 1_{8,8}}\,\xi 1_{2,8} + e^{\xi 1_{8,8}}\,(\xi 1_{2,6}\,\xi 1_{6,8} + \xi 1_{2,4}\,(\xi 1_{4,8} - \xi 1_{4,6}\,(\xi 1_{6,8} + \xi 1_{6,7}\,\xi 1_{7,8}))) +$$
$$\xi 1_{2,3}\,\Big(\xi 1_{3,8} - e^{\xi 1_{8,8}}\,\xi 1_{3,5}\,(\xi 1_{5,8} + \xi 1_{5,6}\,(\xi 1_{6,8} + \xi 1_{6,7}\,\xi 1_{7,8}))\Big)\Big)\Big),$$
$$\xi 2_{1,9} \to \xi 1_{1,9} + \xi 1_{1,3}\,\Big(-\xi 1_{3,9} - e^{-\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,9} - e^{-\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{3,6}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{6,9} + \xi 1_{6,7}\,\xi 1_{7,9}\Big)\Big) -$$
$$e^{-\xi 1_{9,9}}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{1,6}\,\xi 1_{6,9} - e^{\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,9} + \xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,7}\,\xi 1_{7,9} + \xi 1_{1,6}\,\xi 1_{6,7}$$
$$\xi 1_{7,9} - e^{\xi 1_{5,5}}\,\xi 1_{1,2}\,\xi 1_{2,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9} + \xi 1_{1,4}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{4,9} + (-\xi 1_{4,7} + \xi 1_{4,6}\,\xi 1_{6,7})\,\xi 1_{7,9}\Big) +$$
$$\xi 1_{1,5}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{5,9} + e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\Big(e^{\xi 1_{9,9}}\,\xi 1_{6,9} + \xi 1_{6,7}\,\xi 1_{7,9}\Big)\Big),\ \xi 2_{1,10} \to$$

$$\xi 1_{1,10} + e^{-\xi 1_{3,3}-\xi 1_{5,5}-\xi 1_{9,9}-\xi 1_{10,10}} \Big(\xi 1_{1,3} \Big(-e^{\xi 1_{5,5}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{3,10} + e^{\xi 1_{3,3}} \xi 1_{3,5} \Big(e^{\xi 1_{5,5}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,10} - e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,10} + e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,8} \xi 1_{8,10} - e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} + e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,9} \xi 1_{9,10} + e^{\xi 1_{5,5}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,6} \xi 1_{6,9} \xi 1_{9,10} + e^{\xi 1_{5,5}+\xi 1_{10,10}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + \xi 1_{5,7} \Big(e^{\xi 1_{9,9}} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\Big)\Big) + e^{\xi 1_{5,5}} \Big(e^{\xi 1_{3,3}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{3,9} \xi 1_{9,10} - e^{\xi 1_{3,3}} \xi 1_{3,7} \Big(e^{\xi 1_{9,9}} \xi 1_{7,10} - e^{\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\Big) - \xi 1_{3,4} (\xi 1_{4,7} - \xi 1_{4,6} \xi 1_{6,7}) \Big(e^{\xi 1_{9,9}} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\Big)\Big)\Big) + e^{\xi 1_{3,3}+\xi 1_{5,5}} \Big(e^{\xi 1_{9,9}} \xi 1_{1,4} \xi 1_{4,7} \xi 1_{7,10} - e^{\xi 1_{9,9}} \xi 1_{1,6} \xi 1_{6,7} \xi 1_{7,10} - e^{\xi 1_{9,9}} \xi 1_{1,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{1,8} \xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{1,4} \xi 1_{4,7} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{9,9}} \xi 1_{1,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{9,9}} \xi 1_{1,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{1,9} \xi 1_{9,10} + e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{1,4} \xi 1_{4,9} \xi 1_{9,10} + e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{1,6} \xi 1_{6,9} \xi 1_{9,10} - e^{\xi 1_{10,10}} \xi 1_{1,4} \xi 1_{4,7} \xi 1_{7,9} \xi 1_{9,10} + e^{\xi 1_{10,10}} \xi 1_{1,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + e^{\xi 1_{10,10}} \xi 1_{1,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + \xi 1_{1,5} \Big(e^{\xi 1_{5,5}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,10} + e^{\xi 1_{9,9}} \Big(e^{\xi 1_{5,5}} \xi 1_{5,8} \xi 1_{8,10} + e^{\xi 1_{10,10}} \xi 1_{5,9} \xi 1_{9,10}\Big) - e^{\xi 1_{5,5}} \xi 1_{5,6} \Big(-e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{6,9} \xi 1_{9,10} + \xi 1_{6,7} \Big(e^{\xi 1_{9,9}} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\Big)\Big)\Big)\Big) + e^{-\xi 1_{3,3}-\xi 1_{6,6}-\xi 1_{9,9}-\xi 1_{10,10}} \xi 1_{1,2} \Big(e^{\xi 1_{3,3}+\xi 1_{6,6}+\xi 1_{9,9}} \xi 1_{2,10} + e^{\xi 1_{3,3}+\xi 1_{6,6}} \Big(-e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,10} + e^{\xi 1_{9,9}} \xi 1_{2,7} \xi 1_{7,10} - e^{\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{2,8} \xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,7} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{9,9}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{2,6} \Big(e^{\xi 1_{10,10}} \xi 1_{6,10} + \xi 1_{6,8} \xi 1_{8,10}\Big) - e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{2,9} \xi 1_{9,10} + e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{2,4} \xi 1_{4,9} \xi 1_{9,10} + e^{\xi 1_{10,10}} \xi 1_{2,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} - \xi 1_{2,5} \Big(e^{\xi 1_{5,5}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,10} - e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,10} + e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,8} \xi 1_{8,10} - e^{\xi 1_{5,5}+\xi 1_{9,9}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} + e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,9} \xi 1_{9,10} + e^{\xi 1_{5,5}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{5,6} \xi 1_{6,9} \xi 1_{9,10} + e^{\xi 1_{5,5}+\xi 1_{10,10}} \xi 1_{5,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} + \xi 1_{5,7} \Big(e^{\xi 1_{9,9}} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\Big)\Big) + \xi 1_{2,3} \Big(-e^{\xi 1_{6,6}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{3,10} + e^{\xi 1_{3,3}} \xi 1_{3,6} \Big(e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{6,10} + e^{\xi 1_{9,9}} \Big(\xi 1_{6,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{6,9} \xi 1_{9,10}\Big) + \xi 1_{6,7} \Big(e^{\xi 1_{9,9}} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\Big)\Big) + e^{\xi 1_{6,6}} \Big(-e^{\xi 1_{3,3}+\xi 1_{9,9}} \xi 1_{3,7} \xi 1_{7,10} - e^{\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,7} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,10} - e^{\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,7} \xi 1_{7,8} \xi 1_{8,10} + e^{\xi 1_{9,9}} \xi 1_{3,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,8} \xi 1_{8,10} + e^{\xi 1_{3,3}+\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{3,9} \xi 1_{9,10} + e^{\xi 1_{3,3}+\xi 1_{10,10}} \xi 1_{3,7} \xi 1_{7,9} \xi 1_{9,10} + e^{\xi 1_{10,10}} \xi 1_{3,4} \xi 1_{4,7} \xi 1_{7,9} \xi 1_{9,10} - e^{\xi 1_{10,10}} \xi 1_{3,4} \xi 1_{4,6} \xi 1_{6,7} \xi 1_{7,9} \xi 1_{9,10} - e^{\xi 1_{3,3}} \xi 1_{3,5} \xi 1_{5,6} \Big(e^{\xi 1_{9,9}+\xi 1_{10,10}} \xi 1_{6,10} + e^{\xi 1_{9,9}} \Big(\xi 1_{6,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{6,9} \xi 1_{9,10}\Big) + \xi 1_{6,7} \Big(e^{\xi 1_{9,9}} \xi 1_{7,10} + e^{\xi 1_{9,9}} \xi 1_{7,8} \xi 1_{8,10} - e^{\xi 1_{10,10}} \xi 1_{7,9} \xi 1_{9,10}\Big)\Big)\Big)\Big),$$

$$\xi 2_{2,3} \to e^{-\xi 1_{2,2}} \xi 1_{2,3},\ \xi 2_{2,4} \to \xi 1_{2,4},\ \xi 2_{2,5} \to \xi 1_{2,5} + e^{-\xi 1_{5,5}} \xi 1_{2,3} \xi 1_{3,5},$$

$$\xi 2_{2,6} \to \xi 1_{2,6} - \xi 1_{2,4} \xi 1_{4,6} + \xi 1_{2,3} \Big(e^{-\xi 1_{6,6}} \xi 1_{3,6} - \xi 1_{3,5} \xi 1_{5,6}\Big),$$

$$\xi 2_{2,7} \to e^{-\xi 1_{2,2}-\xi 1_{6,6}} \Big(e^{\xi 1_{6,6}} \xi 1_{2,7} - \Big(e^{\xi 1_{6,6}} \xi 1_{2,6} + \xi 1_{2,3} \xi 1_{3,6}\Big) \xi 1_{6,7} + e^{\xi 1_{6,6}} \xi 1_{2,5} \Big(\xi 1_{5,7} - e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,7}\Big)\Big),$$

$$\xi 2_{2,8} \to e^{\xi 1_{8,8}} \xi 1_{2,8} + e^{\xi 1_{8,8}} \Big(\xi 1_{2,6} \xi 1_{6,8} + \xi 1_{2,5} \Big(\xi 1_{5,7} - e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,7}\Big) \xi 1_{7,8} + \xi 1_{2,4} (\xi 1_{4,8} - \xi 1_{4,6} (\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}))\Big) + \xi 1_{2,3} \Big(\xi 1_{3,8} - e^{\xi 1_{8,8}} \xi 1_{3,5} (\xi 1_{5,8} + \xi 1_{5,6} (\xi 1_{6,8} + \xi 1_{6,7} \xi 1_{7,8}))\Big),$$

$$\xi 2_{2,9} \to e^{-\xi 1_{2,2}} \Big(\xi 1_{2,9} - \xi 1_{2,4} \xi 1_{4,9} + e^{-\xi 1_{9,9}} \Big(-\xi 1_{2,6} \xi 1_{6,7} + \xi 1_{2,5} \Big(\xi 1_{5,7} - e^{\xi 1_{5,5}} \xi 1_{5,6} \xi 1_{6,7}\Big)\Big) \xi 1_{7,9} + \xi 1_{2,3} \Big(-\xi 1_{3,9} - e^{-\xi 1_{3,3}} \xi 1_{3,4} \xi 1_{4,9} - e^{-\xi 1_{6,6}-\xi 1_{9,9}} \xi 1_{3,6} \xi 1_{6,7} \xi 1_{7,9}\Big)\Big),$$

$$\xi 2_{2,10} \to e^{-\xi 1_{10,10}} \Big(\xi 1_{2,10} - e^{-\xi 1_{3,3}+\xi 1_{10,10}} \xi 1_{2,3} \xi 1_{3,10} + e^{\xi 1_{10,10}} \xi 1_{2,6} \xi 1_{6,10} + \xi 1_{2,7} \xi 1_{7,10} -$$

$$
\begin{aligned}
&\xi 1_{2,5}\left(\xi 1_{5,7}-e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\xi 1_{6,7}\right)\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{2,9}\,\xi 1_{9,10}+\\
&e^{-\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{2,3}\,\xi 1_{3,6}\left(e^{\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{6,10}+e^{\xi 1_{9,9}}\left(\xi 1_{6,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{6,9}\,\xi 1_{9,10}\right)+\right.\\
&\quad\left.\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}+e^{\xi 1_{9,9}}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)\right)+\\
&\xi 1_{2,4}\left(-\xi 1_{4,8}\,\xi 1_{8,10}+\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10}+e^{\xi 1_{10,10}}\,\xi 1_{4,9}\,\xi 1_{9,10}+\right.\\
&\quad\left.\xi 1_{4,6}\left(-e^{\xi 1_{10,10}}\,\xi 1_{6,10}+\xi 1_{6,8}\,\xi 1_{8,10}+\xi 1_{6,7}\left(-\xi 1_{7,10}+e^{-\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)\right)\right)-\\
&e^{-\xi 1_{3,3}-\xi 1_{8,8}-\xi 1_{9,9}}\,\xi 1_{2,3}\left(e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,10}-e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,10}+\right.\\
&\quad e^{\xi 1_{3,3}+\xi 1_{9,9}}\,\xi 1_{3,8}\,\xi 1_{8,10}+e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{8,8}+\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\\
&\quad\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{3,3}+\xi 1_{8,8}+\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{3,9}\,\xi 1_{9,10}-e^{\xi 1_{8,8}+\xi 1_{10,10}}\,\xi 1_{3,4}\,\xi 1_{4,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+\\
&\quad e^{\xi 1_{8,8}+\xi 1_{10,10}}\,\xi 1_{3,4}\,\xi 1_{4,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}+e^{\xi 1_{3,3}+\xi 1_{8,8}}\,\xi 1_{3,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)+\\
&\quad e^{\xi 1_{3,3}+\xi 1_{8,8}}\,\xi 1_{3,5}\left(-e^{\xi 1_{9,9}}\,\xi 1_{5,8}\,\xi 1_{8,10}+\xi 1_{5,6}\left(e^{\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{6,10}-\right.\right.\\
&\qquad\left.\left.\left.\left.e^{\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{6,9}\,\xi 1_{9,10}+\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)\right)\right)\right)\right),\\
&\xi 2_{3,4}\to e^{-\xi 1_{3,3}+\xi 1_{4,4}}\,\xi 1_{3,4},\ \xi 2_{3,5}\to e^{-\xi 1_{5,5}}\,\xi 1_{3,5}+e^{-\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,5},\\
&\xi 2_{3,6}\to\\
&\quad e^{-\xi 1_{6,6}}\,\xi 1_{3,6}+\\
&\quad e^{-\xi 1_{3,3}}\,\xi 1_{3,4}\,\xi 1_{4,6}-\\
&\quad\xi 1_{3,5}\,\xi 1_{5,6},\\
&\xi 2_{3,7}\to e^{-\xi 1_{7,7}}\left(\xi 1_{3,7}-e^{-\xi 1_{5,5}}\,\xi 1_{3,5}\,\xi 1_{5,7}-e^{-\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,7}+\right.\\
&\quad\left.\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}+e^{-\xi 1_{3,3}}\,\xi 1_{3,4}\,(\xi 1_{4,7}-\xi 1_{4,6}\,\xi 1_{6,7})\right),\\
&\xi 2_{3,8}\to\xi 1_{3,8}+e^{\xi 1_{8,8}}\left(-\xi 1_{3,5}\,\xi 1_{5,8}-e^{-\xi 1_{6,6}}\,\xi 1_{3,6}\,\xi 1_{6,8}-\xi 1_{3,7}\,\xi 1_{7,8}+\right.\\
&\quad\left.e^{-\xi 1_{3,3}}\,\xi 1_{3,4}\,(\xi 1_{4,8}-\xi 1_{4,6}\,\xi 1_{6,8}-\xi 1_{4,7}\,\xi 1_{7,8})\right),\\
&\xi 2_{3,9}\to e^{\xi 1_{9,9}}\,\xi 1_{3,9}+e^{-\xi 1_{3,3}+\xi 1_{9,9}}\,\xi 1_{3,4}\,\xi 1_{4,9}-e^{-\xi 1_{5,5}+\xi 1_{9,9}}\,\xi 1_{3,5}\,\xi 1_{5,9}-\\
&\quad\xi 1_{3,8}\,\xi 1_{8,9},\\
&\xi 2_{3,10}\to e^{-\xi 1_{3,3}+\xi 1_{10,10}}\,\xi 1_{3,10}-e^{\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,10}+\\
&\quad\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,10}-\\
&\quad\xi 1_{3,5}\,\xi 1_{5,8}\,\xi 1_{8,10}+\\
&\quad\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-\\
&\quad e^{-\xi 1_{5,5}+\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,9}\,\xi 1_{9,10}-\\
&\quad e^{\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,9}\,\xi 1_{9,10}-\\
&\quad e^{-\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{3,5}\,\xi 1_{5,6}\,\xi 1_{6,7}\,\xi 1_{7,9}\,\xi 1_{9,10}-\\
&\quad e^{-\xi 1_{5,5}-\xi 1_{9,9}}\,\xi 1_{3,5}\,\xi 1_{5,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}+e^{\xi 1_{9,9}}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)-\\
&\quad e^{-\xi 1_{6,6}-\xi 1_{9,9}}\,\xi 1_{3,6}\left(e^{\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{6,10}+e^{\xi 1_{9,9}}\left(\xi 1_{6,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{6,9}\,\xi 1_{9,10}\right)+\right.\\
&\qquad\left.\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}+e^{\xi 1_{9,9}}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)\right)+\\
&\quad e^{-\xi 1_{3,3}-\xi 1_{9,9}}\left(e^{\xi 1_{3,3}}\,\xi 1_{3,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)+\right.\\
&\qquad\xi 1_{3,4}\left(e^{\xi 1_{9,9}+\xi 1_{10,10}}\,\xi 1_{4,9}\,\xi 1_{9,10}+\xi 1_{4,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}+e^{\xi 1_{9,9}}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)-\right.\\
&\qquad\left.\left.\xi 1_{4,6}\,\xi 1_{6,7}\left(e^{\xi 1_{9,9}}\,\xi 1_{7,10}+e^{\xi 1_{9,9}}\,\xi 1_{7,8}\,\xi 1_{8,10}-e^{\xi 1_{10,10}}\,\xi 1_{7,9}\,\xi 1_{9,10}\right)\right)\right),\\
&\xi 2_{4,5}\to\xi 1_{4,5},\ \xi 2_{4,6}\to\xi 1_{4,6},\ \xi 2_{4,7}\to e^{-\xi 1_{7,7}}\,(\xi 1_{4,7}-\xi 1_{4,6}\,\xi 1_{6,7}),\\
&\xi 2_{4,8}\to\\
&\quad e^{\xi 1_{8,8}}\\
&\quad(\xi 1_{4,8}-\xi 1_{4,6}\,\xi 1_{6,8}-\xi 1_{4,7}\,\xi 1_{7,8}),\ \xi 2_{4,9}\to e^{-\xi 1_{4,4}}\\
&\quad\xi 1_{4,9},\\
&\xi 2_{4,10}\to e^{-\xi 1_{4,4}}\left(e^{\xi 1_{4,4}}\,\xi 1_{4,10}+\xi 1_{4,8}\,\xi 1_{8,10}-\xi 1_{4,6}\,\xi 1_{6,8}\,\xi 1_{8,10}-\xi 1_{4,7}\,\xi 1_{7,8}\,\xi 1_{8,10}-\right.\\
&\quad\left.e^{\xi 1_{10,10}}\,\xi 1_{4,9}\,\xi 1_{9,10}+e^{\xi 1_{10,10}}\,\xi 1_{4,6}\,\xi 1_{6,9}\,\xi 1_{9,10}\right),\\
&\xi 2_{5,6}\to e^{\xi 1_{5,5}}\,\xi 1_{5,6},\ \xi 2_{5,7}\to e^{-\xi 1_{7,7}}\left(\xi 1_{5,7}-e^{\xi 1_{5,5}}\,\xi 1_{5,6}\,\xi 1_{6,7}\right),
\end{aligned}
$$

$$\xi 2_{5,8} \to$$
$$e^{\xi 1_{8,8}}\, \xi 1_{5,8},$$
$$\xi 2_{5,9} \to e^{-\xi 1_{5,5}+\xi 1_{9,9}}\, \xi 1_{5,9} + e^{\xi 1_{8,8}}\, \xi 1_{5,8}\, \xi 1_{8,9},$$
$$\xi 2_{5,10} \to$$
$$e^{\xi 1_{5,5}}\, \xi 1_{5,10} - e^{\xi 1_{5,5}-\xi 1_{10,10}}\, \xi 1_{5,6}\, \xi 1_{6,7}\, \xi 1_{7,10} +$$
$$e^{\xi 1_{5,5}-\xi 1_{10,10}}\, \xi 1_{5,8}\, \xi 1_{8,10} -$$
$$e^{\xi 1_{5,5}-\xi 1_{10,10}}\, \xi 1_{5,6}\, \xi 1_{6,7}\, \xi 1_{7,8}\, \xi 1_{8,10} +$$
$$\xi 1_{5,9}\, \xi 1_{9,10} + e^{\xi 1_{5,5}}\, \xi 1_{5,6}\, \xi 1_{6,9}\, \xi 1_{9,10} +$$
$$e^{\xi 1_{5,5}-\xi 1_{9,9}}\, \xi 1_{5,6}\, \xi 1_{6,7}\, \xi 1_{7,9}\, \xi 1_{9,10} +$$
$$\xi 1_{5,7} \left(e^{-\xi 1_{10,10}}\, \xi 1_{7,10} + e^{-\xi 1_{10,10}}\, \xi 1_{7,8}\, \xi 1_{8,10} - e^{-\xi 1_{9,9}}\, \xi 1_{7,9}\, \xi 1_{9,10}\right),$$
$$\xi 2_{6,7} \to \xi 1_{6,7},\ \xi 2_{6,8} \to e^{\xi 1_{8,8}}\, (\xi 1_{6,8} + \xi 1_{6,7}\, \xi 1_{7,8}),$$
$$\xi 2_{6,9} \to$$
$$\xi 1_{6,9},$$
$$\xi 2_{6,10} \to \xi 1_{6,10} + e^{-\xi 1_{10,10}}\, \xi 1_{6,8}\, \xi 1_{8,10} - \xi 1_{6,9}\, \xi 1_{9,10} +$$
$$\xi 1_{6,7} \left(e^{-\xi 1_{10,10}}\, \xi 1_{7,10} + e^{-\xi 1_{10,10}}\, \xi 1_{7,8}\, \xi 1_{8,10} - e^{-\xi 1_{9,9}}\, \xi 1_{7,9}\, \xi 1_{9,10}\right),$$
$$\xi 2_{7,8} \to e^{\xi 1_{7,7}+\xi 1_{8,8}}\, \xi 1_{7,8},\ \xi 2_{7,9} \to e^{-\xi 1_{9,9}}\, \xi 1_{7,9},$$
$$\xi 2_{7,10} \to$$
$$e^{\xi 1_{7,7}} \left(e^{-\xi 1_{10,10}}\, \xi 1_{7,10} + e^{-\xi 1_{10,10}}\, \xi 1_{7,8}\, \xi 1_{8,10} - e^{-\xi 1_{9,9}}\, \xi 1_{7,9}\, \xi 1_{9,10}\right),\ \xi 2_{8,9} \to$$
$$\xi 1_{8,9},$$
$$\xi 2_{8,10} \to e^{-\xi 1_{8,8}-\xi 1_{10,10}}\, \xi 1_{8,10},\ \xi 2_{9,10} \to$$
$$e^{\xi 1_{10,10}}\, \xi 1_{9,10}\}\}\}$$