

Startup

Engine

<http://drorbn.net/AcademicPensieve/Projects/FullDoPeGDO/#MathematicaNotebooks>

Upper to lower and lower to Upper:

```
(Alt) In[ ]:=
U21[ $\mathcal{E}$ _] :=  $\mathcal{E}$  /. { $B_{i-}^{p-} \mapsto e^{-p\hbar b_i}$ ,  $B_{-}^{p-} \mapsto e^{-p\hbar b}$ ,  $T_{i-}^{p-} \mapsto e^{p\hbar t_i}$ ,  $T_{-}^{p-} \mapsto e^{p\hbar t}$ ,  $\mathcal{A}_{i-}^{p-} \mapsto e^{p\alpha_i}$ ,  $\mathcal{A}_{-}^{p-} \mapsto e^{p\alpha}$ };
12U[ $\mathcal{E}$ _] :=  $\mathcal{E}$  //. { $e^{c-} b_i + d_- \mapsto B_i^{-c/\hbar} e^d$ ,  $e^{c-} b + d_- \mapsto B^{-c/\hbar} e^d$ ,  $e^{c-} t_i + d_- \mapsto T_i^{c/\hbar} e^d$ ,  $e^{c-} t + d_- \mapsto T^{c/\hbar} e^d$ ,
 $e^{c-} \alpha_i + d_- \mapsto \mathcal{A}_i^c e^d$ ,  $e^{c-} \alpha + d_- \mapsto \mathcal{A}^c e^d$ ,  $e^{\mathcal{A}'} \mapsto e^{\text{Expand@}\mathcal{A}'}$ };
12U[r_Rule] := Module[{U = r[[1]] /. {b → B, t → T, α → A}}, U → 12U[U21[U] /. r]];
AlsoUpper[rs_List] := rs ∪ (12U/@rs);
```

Derivatives in the presence of exponentiated variables:

```
(Alt) In[ ]:=
D_b[f_] :=  $\partial_b f - \hbar B \partial_B f$ ; D_b_i[f_] :=  $\partial_{b_i} f - \hbar B_i \partial_{B_i} f$ ;
D_t[f_] :=  $\partial_t f + \hbar T \partial_T f$ ; D_t_i[f_] :=  $\partial_{t_i} f + \hbar T_i \partial_{T_i} f$ ;
D_alpha[f_] :=  $\partial_\alpha f + \mathcal{A} \partial_{\mathcal{A}} f$ ; D_alpha_i[f_] :=  $\partial_{\alpha_i} f + \mathcal{A}_i \partial_{\mathcal{A}_i} f$ ;
D_v[f_] :=  $\partial_v f$ ;
```

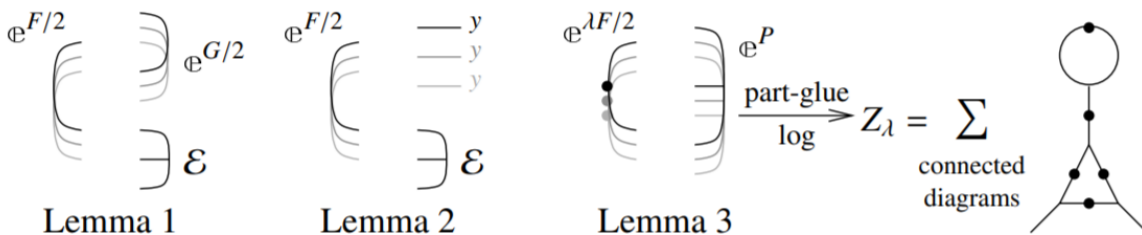
E operations:

```
(Alt) In[ ]:=
 $\mathcal{E}_{-E}[\$] := \text{Length}[\mathcal{E}] - 1$ ;  $E_{-}[\mathcal{ES}\_\_\_] [\$] := E[\mathcal{ES}][\$]$ ;
 $\mathcal{E}_{-E}[k\_Integer] := \mathcal{E}[[k+1]]$ ;  $E_{-}[\mathcal{ES}\_\_\_] [k\_Integer] := \{\mathcal{ES}\}[[k+1]]$ ;
 $E /: \mathcal{E1\_E} \equiv \mathcal{E2\_E} := \text{Inner}[\text{CF}\@\#1 == \text{CF}\@ \#2 \ \&, \mathcal{E1}, \mathcal{E2}, \text{And}]$ ;
 $E_{d1 \rightarrow r1}[\mathcal{E1s}\_\_\_] \equiv E_{d2 \rightarrow r2}[\mathcal{E2s}\_\_\_] \wedge := (d1 == d2) \wedge (r1 == r2) \wedge (E[\mathcal{E1s}] \equiv E[\mathcal{E2s}])$ ;
 $E /: \mathcal{E1\_E} * \mathcal{E2\_E} := E @@ \text{Table}[\text{CF}[\mathcal{E1}[\text{kk}] + \mathcal{E2}[\text{kk}]], \{\text{kk}, 0, \text{Min}[\mathcal{E1}[\$], \mathcal{E2}[\$]]\}]$ ;
 $E_{d1 \rightarrow r1}[\mathcal{E1s}\_\_\_] E_{d2 \rightarrow r2}[\mathcal{E2s}\_\_\_] \wedge := E_{(d1 \cup d2) \rightarrow (r1 \cup r2)} @@ (E[\mathcal{E1s}] \times E[\mathcal{E2s}])$ ;
```

```
(Alt) In[ ]:=
E_{d1 \rightarrow r1}[\mathcal{E1s}\_\_\_] // E_{d2 \rightarrow r2}[\mathcal{E2s}\_\_\_] := Module[{is = r1 ∩ d2, lvs},
  lvs = Flatten@Table[{y$ei, b$ei, t$ei, a$ei, x$ei}, {i, is}];
  E_{(d1 ∪ Complement[d2, is]) → (r2 ∪ Complement[r1, is])} @@ (Zip_{lvs ∪ lvs*} [{lvs*.lvs, Times[
    E[\mathcal{E1s}] /. Table[(v : b | B | t | T | a | x | y)_i → v$ei, {i, is}],
    E[\mathcal{E2s}] /. Table[(v : β | τ | α | A | ξ | η)_i → v$ei, {i, is}]
  ]}])
]
```

```
(Alt) In[ ]:=
 $\Lambda 2E_{d \rightarrow r}[\mathcal{A}_-] := \text{Module}[\{k\}, E_{d \rightarrow r} @@ 12U @ \text{Table}[\text{SeriesCoefficient}[\mathcal{A}, \{e, 0, k\}], \{k, 0, \$k\}]]$ ;
```

Zippping! 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.



```
(Alt) In[ ]:=
Zip_{vs\_}[\{\mathcal{F}_-, \mathcal{E}_-\}] := {\mathcal{F}, \mathcal{E}} // Zip1_{vs} // Zip2_{Select[vs, (0 < Wt[#] < $n) \&]} // EZip3_{Select[vs, (0 < Wt[#] < $n) \&]} //
Zip2_{Select[vs, (Wt[#] == 0 ∨ Wt[#] == $n) \&]} // Zip3_{Select[vs, (Wt[#] == 0 ∨ Wt[#] == $n) \&]} // Last;
```

Getting rid of the quadratic.

Lemma 1. With convergences left to the reader,

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

(Alt) In[]:=

```

Zip1_{ } = Identity;
Zip1_{vs_} @ {f_, E[Q_, P___]} := PPZip1@Module[{I, F, G, u, v},
  I = IdentityMatrix@Length@vs;
  F = Table[If[Wt[u] + Wt[v] == $n, D[u^*, v^*, f, 0], {u, vs}, {v, vs}];
  G = Table[If[Wt[u] + Wt[v] == $n, D[u, v, Q, 0], {u, vs}, {v, vs}];
  {CF[vs^*.(F.Inverse[I - G.F]).vs^* / 2], E[CF[Q - Log[Det[I - G.F]] / 2 - vs.G.vs / 2], P]}
]

```

Getting rid of linear terms.

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

(Alt) In[]:=

```

Zip2_{ } = Identity;
Zip2_{vs_} @ {f_, E[Q_, P___]} := PPZip2@Module[{F, Y, u, v},
  F = Table[If[Wt[u] + Wt[v] == $n, D[u^*, v^*, f, 0], {u, vs}, {v, vs}];
  Y = Table[D_v, Q, {v, vs}] /. AlsoUpper@Table[v -> 0, {v, vs}];
  CF /@ ({f_, E[Q - Y.vs + Y.F.Y / 2, P]} /. AlsoUpper@Thread[vs -> vs + F.Y])
]

```

Dealing with Feynman diagrams.

Lemma 3. With an extra variable λ , $Z_\lambda := \log[\lambda F: \mathbb{C}^P]_B$ 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 $Z_\lambda = \sum Z[m] \lambda^m$.

```

(Alt) In[ ]:= Zip3vs@{ $\mathcal{F}$ _,  $\mathcal{E}$ _E} := PPZip3@Module[
  {F, u, v, Z, $k, kk, jj, $m = 0, m, n},
  $k = Length[ $\mathcal{E}$ ] - 1;
  Do[Z[0, kk] =  $\mathcal{E}$ [[kk + 1]], {kk, 0, $k}];
  F[u_, v_] := F[u, v] = CF@If[Wt[u] + Wt[v] == $n,  $\partial_{u^*, v^*} \mathcal{F}$ , 0];
  Z[m_, kk_, u_] := Z[m, kk, u] = Du[Z[m, kk]];
  Z[m_, kk_, u_, v_] := Z[m, kk, u, v] = Dv[Z[m, kk, u]];
  For[m = 0, m ≤ 2 $m, ++m, For[kk = 0, kk ≤ $k, ++kk,
    Z[m + 1, kk] = CF@Sum[
      If[F[u, v] == 0, 0,  $\frac{F[u, v]}{2 (m + 1)}$ 
        (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 /@ ({
     $\mathcal{F}$  - Sum[F[u, v] u* v* / 2, {u, vs}, {v, vs}],
    E@@Table[Sum[Z[m, kk], {m, 0, $m}], {kk, 0, $k}]
  } /. AlsoUpper@Table[v → 0, {v, vs}])
]

```

Encapsulation.

```

(Alt) In[ ]:= EZip3vs@{ $\mathcal{F}$ _,  $\mathcal{E}$ _E} := PPEZip3@Module[
  {nE, nF, rc, ps, rr = {(*release rules*)}},
  rc = 0; nE = Total[
    CoefficientRules[#, vs] /. (ps_ → c_) ⇒ (AppendTo[rr, cE[++rc] → c]; cE[rc] (Times@@vsps))
  ] & /@  $\mathcal{E}$ ;
  rc = 0; nF = Total[CoefficientRules[ $\mathcal{F}$ , vs*] /.
    (ps_ → c_) ⇒ (AppendTo[rr, cF[++rc] → c]; cF[rc] (Times@@(vs*)ps))];
  CF[Expand[{nF, nE} // Zip3vs] /. rr]
]

```

Profiling

```
(Alt) In[ ]:= BeginProfile[];
```

```
(Alt) In[ ]:= Timing@Block[{$k = 1}, Z[Knot[3, 1]]]
```

KnotTheory: Loading precomputed data in PD4Knots`.

- » With LeafCount==7, nE is $\frac{\alpha_{j\$}}{\hbar}$
- » With LeafCount==8, nE is $\frac{\alpha_{\$[2]}}{\hbar}$
- » With LeafCount==11, nE is $\hbar b_{\$[1]} + \alpha_{\$[2]}$
- » With LeafCount==16, nE is $\hbar b_{\$[1]} + 2 \alpha_{j\$} + \alpha_{\$[2]}$

- » With LeafCount==21, nE is
$$\frac{2 \hbar b_{\$[1]} + 3 \alpha_{j\$} + \alpha_{\$[2]}}{\hbar}$$
- » With LeafCount==26, nE is
$$\frac{3 \hbar (-1 + B_{\$[i\$]} \mathcal{A}_{\$[2]})}{B_{\$[i\$]} \mathcal{A}_{\$[2]}}$$
- » With LeafCount==40, nE is
$$-\frac{-1 + 4 B_{\$[-3]} B_{\$[-2]} \mathcal{A}_i + B_{\$[-3]}^2 B_{\$[-2]}^2 \mathcal{A}_i^2}{4 \hbar}$$
- » With LeafCount==51, nE is
$$-\frac{\hbar^3 (3 + 4 \mathcal{A}_{\$[k\$1348]} + 3 \mathcal{A}_{\$[k\$1348]}^2 - 4 T \mathcal{A}_{\$[k\$1348]}^2 + T^2 \mathcal{A}_{\$[k\$1348]}^2)}{4 T^2 \mathcal{A}_{\$[k\$1348]}^2}$$
- » With LeafCount==56, nE is
$$-\frac{\hbar^3 (3 T^2 + 4 T \mathcal{A}_{\$[k\$1348]} + 3 \mathcal{A}_{\$[k\$1348]}^2 - 4 T \mathcal{A}_{\$[k\$1348]}^2 + T^2 \mathcal{A}_{\$[k\$1348]}^2)}{4 T^2 \mathcal{A}_{\$[k\$1348]}^2}$$
- » With LeafCount==64, nE is
$$-\frac{\hbar^3 (T^2 + 4 T \mathcal{A}_{\$[4]} - 4 T^2 \mathcal{A}_{\$[4]} + 5 \mathcal{A}_{\$[4]}^2 - 8 T \mathcal{A}_{\$[4]}^2 + 3 T^2 \mathcal{A}_{\$[4]}^2)}{4 T^4 \mathcal{A}_{\$[4]}^2}$$
- » With LeafCount==81, nE is
$$\frac{\hbar^3 (-3 T^4 - 4 T^2 \mathcal{A}_{\$[4]} - 7 \mathcal{A}_{\$[4]}^2 + 12 T \mathcal{A}_{\$[4]}^2 - T^2 \mathcal{A}_{\$[4]}^2 - 8 T^3 \mathcal{A}_{\$[4]}^2 + 4 T^4 \mathcal{A}_{\$[4]}^2)}{4 T^6 \mathcal{A}_{\$[4]}^2}$$
- » With LeafCount==100, nE is
$$\frac{T \hbar (3 T^4 - 6 T^5 + 6 T^6 - 4 T^7 - \mathcal{A}_{\$[3]} + 5 T \mathcal{A}_{\$[3]} - 12 T^2 \mathcal{A}_{\$[3]} + 15 T^3 \mathcal{A}_{\$[3]} - 9 T^4 \mathcal{A}_{\$[3]} - 2 T^6 \mathcal{A}_{\$[3]} + 4 T^7 \mathcal{A}_{\$[3]})}{(1 - 2 T + 2 T^2)^3 \mathcal{A}_{\$[3]}}$$
- » With LeafCount==103, nE is
$$-\frac{\hbar (3 T^3 - 9 T^4 + 12 T^5 - 10 T^6 + 4 T^7 + \mathcal{A}_{\$[4]} - 5 T \mathcal{A}_{\$[4]} + 12 T^2 \mathcal{A}_{\$[4]} - 15 T^3 \mathcal{A}_{\$[4]} + 6 T^4 \mathcal{A}_{\$[4]} + 6 T^5 \mathcal{A}_{\$[4]} - 4 T^6 \mathcal{A}_{\$[4]})}{(1 - 2 T + 2 T^2)^3 \mathcal{A}_{\$[4]}}$$
- » With LeafCount==213, nE is
$$\frac{1}{(1 - 2 T + 2 T^2)^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}}$$

$$\hbar (T^3 - 3 T^4 + 5 T^5 - 8 T^6 + 6 T^7 - 4 T^8 - T^5 \mathcal{A}_{\$[3]} + 2 T^6 \mathcal{A}_{\$[3]} - 2 T^7 \mathcal{A}_{\$[3]} + 4 T^8 \mathcal{A}_{\$[3]} - T^4 \mathcal{A}_{\$[4]} + 2 T^5 \mathcal{A}_{\$[4]} - 2 T^6 \mathcal{A}_{\$[4]} + 4 T^7 \mathcal{A}_{\$[4]} + 3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 15 T \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 36 T^2 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 45 T^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 27 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 2 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 4 T^7 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]})$$
- » With LeafCount==231, nE is
$$-\frac{1}{(1 - 2 T + 2 T^2)^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}}$$

$$T^2 \hbar^3 (4 T - 14 T^2 + 28 T^3 - 34 T^4 + 22 T^5 - 8 T^6 + 2 \mathcal{A}_{\$[3]} - 8 T \mathcal{A}_{\$[3]} + 16 T^2 \mathcal{A}_{\$[3]} - 22 T^3 \mathcal{A}_{\$[3]} + 18 T^4 \mathcal{A}_{\$[3]} - 10 T^5 \mathcal{A}_{\$[3]} + 4 T^6 \mathcal{A}_{\$[3]} - \mathcal{A}_{\$[4]} + 6 T \mathcal{A}_{\$[4]} - 18 T^2 \mathcal{A}_{\$[4]} + 28 T^3 \mathcal{A}_{\$[4]} - 26 T^4 \mathcal{A}_{\$[4]} + 16 T^5 \mathcal{A}_{\$[4]} - 2 T \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 8 T^2 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 16 T^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 22 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 12 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]})$$
- » With LeafCount==298, nE is
$$\frac{1}{(1 - 2 T + 2 T^2)^4 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}}$$

$$T^3 \hbar^3 (2 - 8 T + 20 T^2 - 29 T^3 + 28 T^4 - 17 T^5 + 6 T^6 + T \mathcal{A}_{\$[3]} - 6 T^2 \mathcal{A}_{\$[3]} + 10 T^3 \mathcal{A}_{\$[3]} - 16 T^4 \mathcal{A}_{\$[3]} + 14 T^5 \mathcal{A}_{\$[3]} - 8 T^6 \mathcal{A}_{\$[3]} - 2 T^2 \mathcal{A}_{\$[3]}^2 + 4 T^3 \mathcal{A}_{\$[3]}^2 - 2 T^4 \mathcal{A}_{\$[3]}^2 - T^5 \mathcal{A}_{\$[3]}^2 + 2 T^6 \mathcal{A}_{\$[3]}^2 + \mathcal{A}_{\$[4]} - 5 T \mathcal{A}_{\$[4]} + 11 T^2 \mathcal{A}_{\$[4]} - 15 T^3 \mathcal{A}_{\$[4]} + 11 T^4 \mathcal{A}_{\$[4]} - 2 T^5 \mathcal{A}_{\$[4]} - 2 T^2 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 6 T^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 2 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 3 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 5 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 2 T^5 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]})$$
- » With LeafCount==421, nE is
$$-\frac{1}{(1 - 2 T + 2 T^2)^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2}$$

$$T \hbar^3 (2 - 10 T + 27 T^2 - 46 T^3 + 52 T^4 - 41 T^5 + 21 T^6 - 6 T^7 + T \mathcal{A}_{\$[3]} - 7 T^2 \mathcal{A}_{\$[3]} + 18 T^3 \mathcal{A}_{\$[3]} - 28 T^4 \mathcal{A}_{\$[3]} + 27 T^5 \mathcal{A}_{\$[3]} - 15 T^6 \mathcal{A}_{\$[3]} + 4 T^7 \mathcal{A}_{\$[3]} - 2 T \mathcal{A}_{\$[4]} + 10 T^2 \mathcal{A}_{\$[4]} - 26 T^3 \mathcal{A}_{\$[4]} + 40 T^4 \mathcal{A}_{\$[4]} - 30 T^5 \mathcal{A}_{\$[4]} + 12 T^6 \mathcal{A}_{\$[4]} + T \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 6 T^2 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 18 T^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 24 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 18 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 8 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + \mathcal{A}_{\$[4]}^2 - 3 T \mathcal{A}_{\$[4]}^2 + T^2 \mathcal{A}_{\$[4]}^2 + 11 T^3 \mathcal{A}_{\$[4]}^2 - 23 T^4 \mathcal{A}_{\$[4]}^2 + 18 T^5 \mathcal{A}_{\$[4]}^2 - 8 T^6 \mathcal{A}_{\$[4]}^2 + 2 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 13 T \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 37 T^2 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 59 T^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 53 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 28 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 8 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2)$$

» With LeafCount==720, nE is

$$\begin{aligned}
& \frac{1}{4 \left(1 - 2 T + 2 T^2\right)^4 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2} \hbar^3 \left(1 - 11 T^2 + 48 T^3 - 103 T^4 + 152 T^5 - 156 T^6 + 116 T^7 - 54 T^8 + 16 T^9 - 8 T^3 \mathcal{A}_{\$[3]} + 32 T^4 \mathcal{A}_{\$[3]} - \right. \\
& 84 T^5 \mathcal{A}_{\$[3]} + 124 T^6 \mathcal{A}_{\$[3]} - 120 T^7 \mathcal{A}_{\$[3]} + 68 T^8 \mathcal{A}_{\$[3]} - 24 T^9 \mathcal{A}_{\$[3]} - 5 T^4 \mathcal{A}_{\$[3]}^2 + 20 T^5 \mathcal{A}_{\$[3]}^2 - 34 T^6 \mathcal{A}_{\$[3]}^2 + 36 T^7 \mathcal{A}_{\$[3]}^2 - \\
& 22 T^8 \mathcal{A}_{\$[3]}^2 + 8 T^9 \mathcal{A}_{\$[3]}^2 - 8 T^2 \mathcal{A}_{\$[4]} + 32 T^3 \mathcal{A}_{\$[4]} - 76 T^4 \mathcal{A}_{\$[4]} + 104 T^5 \mathcal{A}_{\$[4]} - 100 T^6 \mathcal{A}_{\$[4]} + 68 T^7 \mathcal{A}_{\$[4]} - 32 T^8 \mathcal{A}_{\$[4]} + \\
& 8 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 24 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 72 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 88 T^7 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 48 T^8 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 12 T^5 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - \\
& 36 T^6 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} + 36 T^7 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - 16 T^8 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - T^2 \mathcal{A}_{\$[4]}^2 + 8 T^3 \mathcal{A}_{\$[4]}^2 - 22 T^4 \mathcal{A}_{\$[4]}^2 + 32 T^5 \mathcal{A}_{\$[4]}^2 - \\
& 14 T^6 \mathcal{A}_{\$[4]}^2 - 16 T^7 \mathcal{A}_{\$[4]}^2 + 16 T^8 \mathcal{A}_{\$[4]}^2 + 4 T^2 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 20 T^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 40 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 24 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - \\
& 44 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 72 T^7 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 32 T^8 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 8 T \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - 29 T^2 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + \\
& \left. 56 T^3 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - 52 T^4 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - 8 T^5 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 66 T^6 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - 56 T^7 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 16 T^8 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 \right) \\
& (Alt) Out[*] = \left\{ 10.5781, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{1}{2} \left(-4 t \hbar - \text{Log} \left[\left(\frac{1}{T^3} - \frac{2}{T^2} + \frac{2}{T} \right)^2 \right] - \text{Log} \left[\left(1 + \frac{T}{1 - 2 T + 2 T^2} - \frac{T^2}{1 - 2 T + 2 T^2} \right)^2 \right] \right) \right], \right. \\
& \left. \frac{2 a (-1 + T) (1 + T) \hbar}{1 - T + T^2} + \frac{(-1 + T) (2 - T + T^2) \hbar}{(1 - T + T^2)^2} - \frac{2 (1 + T) x y \hbar^2}{1 - T + T^2} \right\}
\end{aligned}$$

```
(Alt) In[ ]:= PrintProfile[]
```

```
(Alt) Out[ ]:= ProfileRoot is root. Profiled time: 10.516
( 1) 0.079/ 10.520 above Z
( 1) 0/ 0 above RVK
CF: called 13065 times, time in 3.774/6.895
( 84) 0.139/ 0.202 under Z
( 76) 0.063/ 0.063 under Boot
( 135) 0.172/ 0.391 under EZip3
( 90) 0.110/ 0.140 under Zip1
( 270) 0.963/ 3.540 under Zip2
( 12410) 2.327/ 2.559 under Zip3
( 8889) 3.121/ 3.121 above CCF
CCF: called 8889 times, time in 3.121/3.121
( 8889) 3.121/ 3.121 under CF
Zip3: called 90 times, time in 1.534/4.093
( 22) 0.503/ 1.376 under Z
( 23) 0.439/ 1.424 under Boot
( 45) 0.592/ 1.293 under EZip3
( 12410) 2.327/ 2.559 above CF
Zip1: called 45 times, time in 0.735/0.875
( 22) 0.298/ 0.360 under Z
( 23) 0.437/ 0.515 under Boot
( 90) 0.110/ 0.140 above CF
Zip2: called 90 times, time in 0.665/4.205
( 44) 0.335/ 3.721 under Z
( 46) 0.330/ 0.484 under Boot
( 270) 0.963/ 3.540 above CF
EZip3: called 45 times, time in 0.515/2.199
( 22) 0.406/ 1.356 under Z
( 23) 0.109/ 0.843 under Boot
( 135) 0.172/ 0.391 above CF
( 45) 0.592/ 1.293 above Zip3
Boot: called 23 times, time in 0.093/9.11
( 5) 0.046/ 3.422 under Z
( 18) 0.047/ 5.688 under Boot
( 18) 0.047/ 5.688 above Boot
( 76) 0.063/ 0.063 above CF
( 23) 0.109/ 0.843 above EZip3
( 23) 0.437/ 0.515 above Zip1
( 46) 0.330/ 0.484 above Zip2
( 23) 0.439/ 1.424 above Zip3
Z: called 1 times, time in 0.079/10.516
( 1) 0.079/ 10.520 under ProfileRoot
( 5) 0.046/ 3.422 above Boot
( 84) 0.139/ 0.202 above CF
( 22) 0.406/ 1.356 above EZip3
( 22) 0.298/ 0.360 above Zip1
( 44) 0.335/ 3.721 above Zip2
( 22) 0.503/ 1.376 above Zip3
RVK: called 1 times, time in 0./0.
( 1) 0/ 0 under ProfileRoot
```

```
(Alt) In[ ]:= Timing@Block[{$k = 1}, Z[Knot[8, 17]]]
```

» With LeafCount==1246, nC is

$$\frac{1}{4 \left(1 - 4 T + 6 T^2 - 5 T^3 + T^4 \right)^4 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2} \hbar^3 \left(1 - 8 T + 13 T^2 + 100 T^3 - 699 T^4 + 2340 T^5 - 5241 T^6 + 8616 T^7 - 10802 T^8 + 10468 T^9 - \right. \\
7802 T^{10} + 4368 T^{11} - 1735 T^{12} + 436 T^{13} - 46 T^{14} + 8 T^{14} \mathcal{A}_{\$[4]} - 80 T^5 \mathcal{A}_{\$[4]} + 360 T^6 \mathcal{A}_{\$[4]} - 1000 T^7 \mathcal{A}_{\$[4]} + 1936 T^8 \mathcal{A}_{\$[4]} - \\
2712 T^9 \mathcal{A}_{\$[4]} + 2764 T^{10} \mathcal{A}_{\$[4]} - 2024 T^{11} \mathcal{A}_{\$[4]} + 1008 T^{12} \mathcal{A}_{\$[4]} - 308 T^{13} \mathcal{A}_{\$[4]} + 36 T^{14} \mathcal{A}_{\$[4]} - 7 T^6 \mathcal{A}_{\$[4]}^2 + 52 T^7 \mathcal{A}_{\$[4]}^2 - \\
168 T^8 \mathcal{A}_{\$[4]}^2 + 316 T^9 \mathcal{A}_{\$[4]}^2 - 390 T^{10} \mathcal{A}_{\$[4]}^2 + 328 T^{11} \mathcal{A}_{\$[4]}^2 - 181 T^{12} \mathcal{A}_{\$[4]}^2 + 60 T^{13} \mathcal{A}_{\$[4]}^2 - 7 T^{14} \mathcal{A}_{\$[4]}^2 - 8 T^2 \mathcal{A}_{\$[5]} + \\
96 T^3 \mathcal{A}_{\$[5]} - 528 T^4 \mathcal{A}_{\$[5]} + 1788 T^5 \mathcal{A}_{\$[5]} - 4200 T^6 \mathcal{A}_{\$[5]} + 7248 T^7 \mathcal{A}_{\$[5]} - 9436 T^8 \mathcal{A}_{\$[5]} + 9352 T^9 \mathcal{A}_{\$[5]} - 7016 T^{10} \mathcal{A}_{\$[5]} + \\
3880 T^{11} \mathcal{A}_{\$[5]} - 1484 T^{12} \mathcal{A}_{\$[5]} + 340 T^{13} \mathcal{A}_{\$[5]} - 32 T^{14} \mathcal{A}_{\$[5]} - 8 T^5 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 72 T^6 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 280 T^7 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + \\
672 T^8 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 1136 T^9 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 1360 T^{10} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 1104 T^{11} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 568 T^{12} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - \\
160 T^{13} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 16 T^{14} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 4 T^6 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 16 T^7 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 12 T^8 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 36 T^9 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - \\
84 T^{10} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 76 T^{11} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 36 T^{12} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 8 T^{13} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - T^2 \mathcal{A}_{\$[5]}^2 + 16 T^3 \mathcal{A}_{\$[5]}^2 - 110 T^4 \mathcal{A}_{\$[5]}^2 + \\
444 T^5 \mathcal{A}_{\$[5]}^2 - 1195 T^6 \mathcal{A}_{\$[5]}^2 + 2280 T^7 \mathcal{A}_{\$[5]}^2 - 3167 T^8 \mathcal{A}_{\$[5]}^2 + 3208 T^9 \mathcal{A}_{\$[5]}^2 - 2325 T^{10} \mathcal{A}_{\$[5]}^2 + 1160 T^{11} \mathcal{A}_{\$[5]}^2 - \\
373 T^{12} \mathcal{A}_{\$[5]}^2 + 68 T^{13} \mathcal{A}_{\$[5]}^2 - 5 T^{14} \mathcal{A}_{\$[5]}^2 + 4 T^2 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 - 48 T^3 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 + 268 T^4 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 - 920 T^5 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 + \\
2152 T^6 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 - 3588 T^7 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 + 4316 T^8 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 - 3700 T^9 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 + 2188 T^{10} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 - \\
844 T^{11} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 + 192 T^{12} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 - 20 T^{13} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]}^2 - \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + 16 T \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 - 117 T^2 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + \\
524 T^3 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 - 1613 T^4 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + 3608 T^5 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 - 6024 T^6 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + 7568 T^7 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 - 7098 T^8 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + \\
4852 T^9 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 - 2312 T^{10} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + 708 T^{11} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 - 116 T^{12} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + 4 T^{13} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 + T^{14} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^2 \Big) \\$$

» With LeafCount==1416, nC is

$$\frac{1}{4 \left(1 - 3 T + 4 T^2 - 4 T^3 + T^4 \right)^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2} \hbar^3 \left(5 T^2 - 44 T^3 + 184 T^4 - 484 T^5 + 875 T^6 - 1124 T^7 + 1036 T^8 - 672 T^9 + 285 T^{10} - 68 T^{11} + \right. \\
7 T^{12} + 4 T \mathcal{A}_{\$[0]} - 40 T^2 \mathcal{A}_{\$[0]} + 188 T^3 \mathcal{A}_{\$[0]} - 552 T^4 \mathcal{A}_{\$[0]} + 1132 T^5 \mathcal{A}_{\$[0]} - 1692 T^6 \mathcal{A}_{\$[0]} + 1832 T^7 \mathcal{A}_{\$[0]} - 1380 T^8 \mathcal{A}_{\$[0]} + \\
644 T^9 \mathcal{A}_{\$[0]} - 108 T^{10} \mathcal{A}_{\$[0]} - 52 T^{11} \mathcal{A}_{\$[0]} + 28 T^{12} \mathcal{A}_{\$[0]} - 4 T^{13} \mathcal{A}_{\$[0]} + 4 \mathcal{A}_{\$[0]}^2 - 48 T \mathcal{A}_{\$[0]}^2 + 280 T^2 \mathcal{A}_{\$[0]}^2 - 1048 T^3 \mathcal{A}_{\$[0]}^2 + \\
2801 T^4 \mathcal{A}_{\$[0]}^2 - 5640 T^5 \mathcal{A}_{\$[0]}^2 + 8793 T^6 \mathcal{A}_{\$[0]}^2 - 10724 T^7 \mathcal{A}_{\$[0]}^2 + 10200 T^8 \mathcal{A}_{\$[0]}^2 - 7452 T^9 \mathcal{A}_{\$[0]}^2 + 4056 T^{10} \mathcal{A}_{\$[0]}^2 - \\
1568 T^{11} \mathcal{A}_{\$[0]}^2 + 401 T^{12} \mathcal{A}_{\$[0]}^2 - 60 T^{13} \mathcal{A}_{\$[0]}^2 + 4 T^{14} \mathcal{A}_{\$[0]}^2 + 4 T \mathcal{A}_{\$[4]} - 36 T^2 \mathcal{A}_{\$[4]} + 144 T^3 \mathcal{A}_{\$[4]} - 344 T^4 \mathcal{A}_{\$[4]} + \\
540 T^5 \mathcal{A}_{\$[4]} - 532 T^6 \mathcal{A}_{\$[4]} + 188 T^7 \mathcal{A}_{\$[4]} + 332 T^8 \mathcal{A}_{\$[4]} - 640 T^9 \mathcal{A}_{\$[4]} + 556 T^{10} \mathcal{A}_{\$[4]} - 280 T^{11} \mathcal{A}_{\$[4]} + 76 T^{12} \mathcal{A}_{\$[4]} - \\
8 T^{13} \mathcal{A}_{\$[4]} + 16 T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 140 T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 544 T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 1272 T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 1992 T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - \\
2092 T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 1304 T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 184 T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 416 T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 348 T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 112 T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + \\
12 T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 8 T \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 92 T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 500 T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 1720 T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 4176 T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - \\
7528 T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 10328 T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 10840 T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 8612 T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 5056 T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + \\
2116 T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 600 T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 104 T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 8 T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 8 T \mathcal{A}_{\$[4]}^2 + 83 T^2 \mathcal{A}_{\$[4]}^2 - 392 T^3 \mathcal{A}_{\$[4]}^2 + \\
1133 T^4 \mathcal{A}_{\$[4]}^2 - 2252 T^5 \mathcal{A}_{\$[4]}^2 + 3225 T^6 \mathcal{A}_{\$[4]}^2 - 3328 T^7 \mathcal{A}_{\$[4]}^2 + 2347 T^8 \mathcal{A}_{\$[4]}^2 - 924 T^9 \mathcal{A}_{\$[4]}^2 - 53 T^{10} \mathcal{A}_{\$[4]}^2 + \\
304 T^{11} \mathcal{A}_{\$[4]}^2 - 178 T^{12} \mathcal{A}_{\$[4]}^2 + 48 T^{13} \mathcal{A}_{\$[4]}^2 - 5 T^{14} \mathcal{A}_{\$[4]}^2 - 12 T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 124 T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 568 T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
1560 T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 2904 T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 3848 T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 3624 T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 2308 T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
868 T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 96 T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 68 T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 32 T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 4 T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 4 T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - \\
44 T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 231 T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 748 T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 1652 T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 2628 T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 3077 T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - \\
2628 T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 1584 T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 640 T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 159 T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 20 T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 \Big) \\$$

» With LeafCount==1641, nE is

$$\begin{aligned}
& - \left(\hbar^3 \left(-3 T^2 + 28 T^3 - 119 T^4 + 303 T^5 - 500 T^6 + 507 T^7 - 162 T^8 - 456 T^9 + 998 T^{10} - 1149 T^{11} + 892 T^{12} - 489 T^{13} + 185 T^{14} - 44 T^{15} + \right. \right. \\
& \quad 5 T^{16} + 4 T \mathcal{A}_{\$[0]} - 28 T^2 \mathcal{A}_{\$[0]} + 84 T^3 \mathcal{A}_{\$[0]} - 124 T^4 \mathcal{A}_{\$[0]} + 68 T^5 \mathcal{A}_{\$[0]} + 36 T^6 \mathcal{A}_{\$[0]} + 40 T^7 \mathcal{A}_{\$[0]} - 532 T^8 \mathcal{A}_{\$[0]} + \\
& \quad 1340 T^9 \mathcal{A}_{\$[0]} - 1980 T^{10} \mathcal{A}_{\$[0]} + 2036 T^{11} \mathcal{A}_{\$[0]} - 1524 T^{12} \mathcal{A}_{\$[0]} + 824 T^{13} \mathcal{A}_{\$[0]} - 308 T^{14} \mathcal{A}_{\$[0]} + 72 T^{15} \mathcal{A}_{\$[0]} - \\
& \quad 8 T^{16} \mathcal{A}_{\$[0]} - 8 T \mathcal{A}_{\$[0]}^2 + 63 T^2 \mathcal{A}_{\$[0]}^2 - 244 T^3 \mathcal{A}_{\$[0]}^2 + 623 T^4 \mathcal{A}_{\$[0]}^2 - 1207 T^5 \mathcal{A}_{\$[0]}^2 + 1944 T^6 \mathcal{A}_{\$[0]}^2 - 2723 T^7 \mathcal{A}_{\$[0]}^2 + \\
& \quad 3378 T^8 \mathcal{A}_{\$[0]}^2 - 3680 T^9 \mathcal{A}_{\$[0]}^2 + 3422 T^{10} \mathcal{A}_{\$[0]}^2 - 2651 T^{11} \mathcal{A}_{\$[0]}^2 + 1664 T^{12} \mathcal{A}_{\$[0]}^2 - 807 T^{13} \mathcal{A}_{\$[0]}^2 + 283 T^{14} \mathcal{A}_{\$[0]}^2 - \\
& \quad 64 T^{15} \mathcal{A}_{\$[0]}^2 + 7 T^{16} \mathcal{A}_{\$[0]}^2 + 4 T \mathcal{A}_{\$[11]} - 36 T^2 \mathcal{A}_{\$[11]} + 144 T^3 \mathcal{A}_{\$[11]} - 324 T^4 \mathcal{A}_{\$[11]} + 412 T^5 \mathcal{A}_{\$[11]} - 124 T^6 \mathcal{A}_{\$[11]} - \\
& \quad 668 T^7 \mathcal{A}_{\$[11]} + 1692 T^8 \mathcal{A}_{\$[11]} - 2380 T^9 \mathcal{A}_{\$[11]} + 2328 T^{10} \mathcal{A}_{\$[11]} - 1660 T^{11} \mathcal{A}_{\$[11]} + 860 T^{12} \mathcal{A}_{\$[11]} - 312 T^{13} \mathcal{A}_{\$[11]} + \\
& \quad 72 T^{14} \mathcal{A}_{\$[11]} - 8 T^{15} \mathcal{A}_{\$[11]} - 8 T \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 88 T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} - 432 T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 1208 T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} - \\
& \quad 2232 T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 2920 T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} - 2664 T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 1440 T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 88 T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} - \\
& \quad 1072 T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 1192 T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} - 760 T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 304 T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} - 72 T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + \\
& \quad 8 T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]} + 4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 24 T \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} + 52 T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 4 T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 192 T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} + \\
& \quad 364 T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 96 T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 928 T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} + 2460 T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 3696 T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} + \\
& \quad 3924 T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 3100 T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} + 1824 T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - 780 T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} + 232 T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - \\
& \quad 44 T^{15} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} + 4 T^{16} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]} - \mathcal{A}_{\$[11]}^2 + 43 T^2 \mathcal{A}_{\$[11]}^2 - 267 T^3 \mathcal{A}_{\$[11]}^2 + 900 T^4 \mathcal{A}_{\$[11]}^2 - 2055 T^5 \mathcal{A}_{\$[11]}^2 + \\
& \quad 3458 T^6 \mathcal{A}_{\$[11]}^2 - 4464 T^7 \mathcal{A}_{\$[11]}^2 + 4498 T^8 \mathcal{A}_{\$[11]}^2 - 3543 T^9 \mathcal{A}_{\$[11]}^2 + 2156 T^{10} \mathcal{A}_{\$[11]}^2 - 987 T^{11} \mathcal{A}_{\$[11]}^2 + 323 T^{12} \mathcal{A}_{\$[11]}^2 - \\
& \quad 68 T^{13} \mathcal{A}_{\$[11]}^2 + 7 T^{14} \mathcal{A}_{\$[11]}^2 + 4 T \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - 48 T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 + 280 T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - 932 T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 + \\
& \quad 2036 T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - 3168 T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 + 3676 T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - 3232 T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 + 2112 T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - \\
& \quad 940 T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 + 188 T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 + 80 T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - 80 T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 + 28 T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - \\
& \quad 4 T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[11]}^2 - 3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + 24 T \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 - 83 T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + 131 T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + 8 T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 - \\
& \quad 505 T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + 1286 T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 - 2008 T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + 2282 T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 - 1985 T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + \\
& \quad 1320 T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 - 653 T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + 225 T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 - 48 T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 + 5 T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 \left. \right) \Big) / \\
& \quad \left(4 \left(1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6 \right)^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[11]}^2 \right) \Big)
\end{aligned}$$

$$\text{(Alt) Out[=]} = \left\{ 35.1563, \mathbb{E}_{\{\} \rightarrow \{\}} \left[\frac{1}{2} \left(-2 t \hbar - \text{Log} \left[\left(-1 - \frac{1}{T^4} + \frac{4}{T^3} - \frac{6}{T^2} + \frac{5}{T} \right)^2 \right] - \right. \right.$$

$$\left. \text{Log} \left[\left(1 + \frac{T}{1 - 4 T + 6 T^2 - 5 T^3 + T^4} - \frac{2 T^2}{1 - 4 T + 6 T^2 - 5 T^3 + T^4} + \frac{T^3}{1 - 4 T + 6 T^2 - 5 T^3 + T^4} \right)^2 \right] - \right.$$

$$\left. \text{Log} \left[\left(1 - \frac{T}{1 - 3 T + 4 T^2 - 4 T^3 + T^4} + \frac{4 T^2}{1 - 3 T + 4 T^2 - 4 T^3 + T^4} - \frac{7 T^3}{1 - 3 T + 4 T^2 - 4 T^3 + T^4} + \right. \right. \right.$$

$$\left. \left. \frac{7 T^4}{1 - 3 T + 4 T^2 - 4 T^3 + T^4} - \frac{4 T^5}{1 - 3 T + 4 T^2 - 4 T^3 + T^4} + \frac{T^6}{1 - 3 T + 4 T^2 - 4 T^3 + T^4} \right)^2 \right] \Big),$$

$$\begin{aligned}
& \frac{(-1 + T) (1 + T) (1 - T + T^2) (3 - 5 T + 3 T^2) \hbar}{1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6} + \frac{2 a (-1 + T) (1 + T) (1 - T + T^2) (3 - 5 T + 3 T^2) \hbar}{1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6} - \\
& \left. \frac{2 (1 + T) (1 - T + T^2) (3 - 5 T + 3 T^2) x y \hbar^2}{1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6} \right\}
\end{aligned}$$

```
(Alt) In[ ]:= PrintProfile[]
```

```
(Alt) Out[ ]:= ProfileRoot is root. Profiled time: 45.673
(  2)  0.236/ 45.657 above Z
(  2)  0.016/  0.016 above RVK
CCF: called 26186 times, time in 17.549/17.549
(26186) 17.549/ 17.549 under CF
CF: called 27296 times, time in 16.765/34.314
( 298)  0.701/  1.139 under Z
(   88)  0.063/  0.063 under Boot
(  318)  1.185/  3.045 under EZip3
(  212)  0.312/  0.374 under Zip1
(  636)  8.178/ 22.264 under Zip2
(25744)  6.326/  7.429 under Zip3
(26186) 17.549/ 17.549 above CCF
Zip3: called 212 times, time in 3.919/11.348
(   79)  1.994/  6.549 under Z
(   27)  0.501/  1.611 under Boot
(  106)  1.424/  3.188 under EZip3
(25744)  6.326/  7.429 above CF
EZip3: called 106 times, time in 3.549/9.782
(   79)  3.408/  8.798 under Z
(   27)  0.141/  0.984 under Boot
(  318)  1.185/  3.045 above CF
(  106)  1.424/  3.188 above Zip3
Zip2: called 212 times, time in 1.857/24.121
(  158)  1.449/ 23.527 under Z
(   54)  0.408/  0.594 under Boot
(  636)  8.178/ 22.264 above CF
Zip1: called 106 times, time in 1.673/2.047
(   79)  1.159/  1.455 under Z
(   27)  0.514/  0.592 under Boot
(  212)  0.312/  0.374 above CF
Z: called 2 times, time in 0.236/45.657
(   2)  0.236/ 45.657 under ProfileRoot
(   7)  0.046/  3.953 above Boot
( 298)  0.701/  1.139 above CF
(   79)  3.408/  8.798 above EZip3
(   79)  1.159/  1.455 above Zip1
(  158)  1.449/ 23.527 above Zip2
(   79)  1.994/  6.549 above Zip3
Boot: called 27 times, time in 0.109/9.938
(   7)  0.046/  3.953 under Z
(  20)  0.063/  5.985 under Boot
(  20)  0.063/  5.985 above Boot
(   88)  0.063/  0.063 above CF
(   27)  0.141/  0.984 above EZip3
(   27)  0.514/  0.592 above Zip1
(   54)  0.408/  0.594 above Zip2
(   27)  0.501/  1.611 above Zip3
RVK: called 2 times, time in 0.016/0.016
(   2)  0.016/  0.016 under ProfileRoot
```

```
(Alt) In[ ]:= Timing@Block[{$k = 2}, Z[Knot[3, 1]]]
```

» With LeafCount==2256, nE is

$$\begin{aligned}
& \frac{1}{36} (1 - 2T + 2T^2)^6 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 \mathfrak{h}^5 \left(-4 - 60T + 540T^2 - 2340T^3 + 6432T^4 - 12696T^5 + 18529T^6 - 20301T^7 + 15990T^8 - 8282T^9 + \right. \\
& 1395T^{10} + 1569T^{11} - 1550T^{12} + 486T^{13} + 9T^{14} - 81T^{15} + 144T^3 \mathcal{A}_{\mathfrak{f}[3]} - 864T^4 \mathcal{A}_{\mathfrak{f}[3]} + 2889T^5 \mathcal{A}_{\mathfrak{f}[3]} - 6030T^6 \mathcal{A}_{\mathfrak{f}[3]} + \\
& 8631T^7 \mathcal{A}_{\mathfrak{f}[3]} - 8316T^8 \mathcal{A}_{\mathfrak{f}[3]} + 5049T^9 \mathcal{A}_{\mathfrak{f}[3]} - 342T^{10} \mathcal{A}_{\mathfrak{f}[3]} - 2097T^{11} \mathcal{A}_{\mathfrak{f}[3]} + 2124T^{12} \mathcal{A}_{\mathfrak{f}[3]} - 567T^{13} \mathcal{A}_{\mathfrak{f}[3]} - \\
& 126T^{14} \mathcal{A}_{\mathfrak{f}[3]} + 243T^{15} \mathcal{A}_{\mathfrak{f}[3]} - 36T^5 \mathcal{A}_{\mathfrak{f}[3]}^2 + 108T^6 \mathcal{A}_{\mathfrak{f}[3]}^2 - 540T^7 \mathcal{A}_{\mathfrak{f}[3]}^2 + 1404T^8 \mathcal{A}_{\mathfrak{f}[3]}^2 - 1908T^9 \mathcal{A}_{\mathfrak{f}[3]}^2 + 1233T^{10} \mathcal{A}_{\mathfrak{f}[3]}^2 - \\
& 315T^{11} \mathcal{A}_{\mathfrak{f}[3]}^2 - 279T^{12} \mathcal{A}_{\mathfrak{f}[3]}^2 - 99T^{13} \mathcal{A}_{\mathfrak{f}[3]}^2 + 225T^{14} \mathcal{A}_{\mathfrak{f}[3]}^2 - 243T^{15} \mathcal{A}_{\mathfrak{f}[3]}^2 - 104T^6 \mathcal{A}_{\mathfrak{f}[3]}^3 + 528T^7 \mathcal{A}_{\mathfrak{f}[3]}^3 - 1152T^8 \mathcal{A}_{\mathfrak{f}[3]}^3 + \\
& 1507T^9 \mathcal{A}_{\mathfrak{f}[3]}^3 - 1332T^{10} \mathcal{A}_{\mathfrak{f}[3]}^3 + 816T^{11} \mathcal{A}_{\mathfrak{f}[3]}^3 - 340T^{12} \mathcal{A}_{\mathfrak{f}[3]}^3 + 180T^{13} \mathcal{A}_{\mathfrak{f}[3]}^3 - 108T^{14} \mathcal{A}_{\mathfrak{f}[3]}^3 + 81T^{15} \mathcal{A}_{\mathfrak{f}[3]}^3 + 144T^2 \mathcal{A}_{\mathfrak{f}[4]} - \\
& 864T^3 \mathcal{A}_{\mathfrak{f}[4]} + 2889T^4 \mathcal{A}_{\mathfrak{f}[4]} - 6030T^5 \mathcal{A}_{\mathfrak{f}[4]} + 8631T^6 \mathcal{A}_{\mathfrak{f}[4]} - 7920T^7 \mathcal{A}_{\mathfrak{f}[4]} + 3753T^8 \mathcal{A}_{\mathfrak{f}[4]} + 1602T^9 \mathcal{A}_{\mathfrak{f}[4]} - 3321T^{10} \mathcal{A}_{\mathfrak{f}[4]} + \\
& 2160T^{11} \mathcal{A}_{\mathfrak{f}[4]} - 207T^{12} \mathcal{A}_{\mathfrak{f}[4]} - 342T^{13} \mathcal{A}_{\mathfrak{f}[4]} + 243T^{14} \mathcal{A}_{\mathfrak{f}[4]} + 9T^3 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} - 207T^4 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} + 765T^5 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} - \\
& 1791T^6 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} + 2061T^7 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} - 459T^8 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} - 1341T^9 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} + 135T^{10} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} + 819T^{11} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} - \\
& 1989T^{12} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} + 1323T^{13} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} - 729T^{14} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]} - 72T^5 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 360T^6 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - 612T^7 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + \\
& 2097T^8 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - 5688T^9 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 7848T^{10} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - 6192T^{11} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 3924T^{12} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - \\
& 1620T^{13} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 729T^{14} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 531T^7 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 2439T^8 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 4572T^9 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - \\
& 4788T^{10} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 3348T^{11} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 1728T^{12} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 639T^{13} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 243T^{14} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 36T^3 \mathcal{A}_{\mathfrak{f}[4]}^2 + \\
& 108T^4 \mathcal{A}_{\mathfrak{f}[4]}^2 - 144T^5 \mathcal{A}_{\mathfrak{f}[4]}^2 - 180T^6 \mathcal{A}_{\mathfrak{f}[4]}^2 + 828T^7 \mathcal{A}_{\mathfrak{f}[4]}^2 - 1539T^8 \mathcal{A}_{\mathfrak{f}[4]}^2 + 1989T^9 \mathcal{A}_{\mathfrak{f}[4]}^2 - 2799T^{10} \mathcal{A}_{\mathfrak{f}[4]}^2 + 1917T^{11} \mathcal{A}_{\mathfrak{f}[4]}^2 - \\
& 639T^{12} \mathcal{A}_{\mathfrak{f}[4]}^2 + 45T^{13} \mathcal{A}_{\mathfrak{f}[4]}^2 + 252T^5 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 - 1224T^6 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 + 2925T^7 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 - 2448T^8 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 - \\
& 3240T^9 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 + 8100T^{10} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 - 5364T^{11} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 + 1908T^{12} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 - 135T^{13} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^2 + \\
& 252T^4 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - 1656T^5 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 4788T^6 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - 6732T^7 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 1440T^8 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + \\
& 7992T^9 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - 10044T^{10} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 5364T^{11} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} - 1899T^{12} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + 135T^{13} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]} + \\
& 72T^3 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 540T^4 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 1728T^5 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 2736T^6 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 1044T^7 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 3456T^8 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - \\
& 5976T^9 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 4320T^{10} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 1917T^{11} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 630T^{12} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} - 45T^{13} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]} + 4T^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - \\
& 12T^4 \mathcal{A}_{\mathfrak{f}[4]}^3 + 36T^5 \mathcal{A}_{\mathfrak{f}[4]}^3 - 149T^6 \mathcal{A}_{\mathfrak{f}[4]}^3 + 396T^7 \mathcal{A}_{\mathfrak{f}[4]}^3 - 408T^8 \mathcal{A}_{\mathfrak{f}[4]}^3 - 376T^9 \mathcal{A}_{\mathfrak{f}[4]}^3 + 1260T^{10} \mathcal{A}_{\mathfrak{f}[4]}^3 - 756T^{11} \mathcal{A}_{\mathfrak{f}[4]}^3 + \\
& 81T^{12} \mathcal{A}_{\mathfrak{f}[4]}^3 + 36T^3 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 - 180T^4 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 + 243T^5 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 + 45T^6 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 + 360T^7 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 - \\
& 3852T^8 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 + 8748T^9 \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 - 8208T^{10} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 + 2943T^{11} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 - 243T^{12} \mathcal{A}_{\mathfrak{f}[3]} \mathcal{A}_{\mathfrak{f}[4]}^3 + \\
& 72T^3 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 - 612T^4 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 + 1800T^5 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 - 1368T^6 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 - 5256T^7 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 + 16920T^8 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 - \\
& 21708T^9 \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 + 13563T^{10} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 - 3618T^{11} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 + 243T^{12} \mathcal{A}_{\mathfrak{f}[3]}^2 \mathcal{A}_{\mathfrak{f}[4]}^3 + 4\mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - 48T \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 + \\
& 288T^2 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - 1080T^3 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 + 2532T^4 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - 3144T^5 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - 344T^6 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 + 8676T^7 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - \\
& 15576T^8 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 + 13957T^9 \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - 6615T^{10} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 + 1431T^{11} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 - 81T^{12} \mathcal{A}_{\mathfrak{f}[3]}^3 \mathcal{A}_{\mathfrak{f}[4]}^3 \Big)
\end{aligned}$$

» With LeafCount==2490, nE is

$$\begin{aligned}
& \frac{1}{9 \left(1 - 2 T + 2 T^2\right)^7 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3} \hbar^5 \left(-1 - 13 T + 127 T^2 - 561 T^3 + 1482 T^4 - 2484 T^5 + 1990 T^6 + 2179 T^7 - 10999 T^8 + 22156 T^9 - \right. \\
& 30650 T^{10} + 31907 T^{11} - 25670 T^{12} + 15793 T^{13} - 7219 T^{14} + 2232 T^{15} - 396 T^{16} + 27 T^3 \mathcal{A}_{\$[3]} - 153 T^4 \mathcal{A}_{\$[3]} + 414 T^5 \mathcal{A}_{\$[3]} - \\
& 225 T^6 \mathcal{A}_{\$[3]} - 2106 T^7 \mathcal{A}_{\$[3]} + 8991 T^8 \mathcal{A}_{\$[3]} - 20718 T^9 \mathcal{A}_{\$[3]} + 33309 T^{10} \mathcal{A}_{\$[3]} - 39798 T^{11} \mathcal{A}_{\$[3]} + 36261 T^{12} \mathcal{A}_{\$[3]} - \\
& 24921 T^{13} \mathcal{A}_{\$[3]} + 12591 T^{14} \mathcal{A}_{\$[3]} - 4266 T^{15} \mathcal{A}_{\$[3]} + 828 T^{16} \mathcal{A}_{\$[3]} + 36 T^5 \mathcal{A}_{\$[3]}^2 - 315 T^6 \mathcal{A}_{\$[3]}^2 + 1431 T^7 \mathcal{A}_{\$[3]}^2 - 4383 T^8 \mathcal{A}_{\$[3]}^2 + \\
& 9540 T^9 \mathcal{A}_{\$[3]}^2 - 15588 T^{10} \mathcal{A}_{\$[3]}^2 + 19476 T^{11} \mathcal{A}_{\$[3]}^2 - 18765 T^{12} \mathcal{A}_{\$[3]}^2 + 13671 T^{13} \mathcal{A}_{\$[3]}^2 - 7317 T^{14} \mathcal{A}_{\$[3]}^2 + 2628 T^{15} \mathcal{A}_{\$[3]}^2 - \\
& 540 T^{16} \mathcal{A}_{\$[3]}^2 + 28 T^6 \mathcal{A}_{\$[3]}^3 - 221 T^7 \mathcal{A}_{\$[3]}^3 + 800 T^8 \mathcal{A}_{\$[3]}^3 - 1841 T^9 \mathcal{A}_{\$[3]}^3 + 3058 T^{10} \mathcal{A}_{\$[3]}^3 - 3835 T^{11} \mathcal{A}_{\$[3]}^3 + 3692 T^{12} \mathcal{A}_{\$[3]}^3 - \\
& 2689 T^{13} \mathcal{A}_{\$[3]}^3 + 1441 T^{14} \mathcal{A}_{\$[3]}^3 - 522 T^{15} \mathcal{A}_{\$[3]}^3 + 108 T^{16} \mathcal{A}_{\$[3]}^3 + 27 T^2 \mathcal{A}_{\$[4]} - 153 T^3 \mathcal{A}_{\$[4]} + 414 T^4 \mathcal{A}_{\$[4]} - 333 T^5 \mathcal{A}_{\$[4]} - \\
& 1404 T^6 \mathcal{A}_{\$[4]} + 6552 T^7 \mathcal{A}_{\$[4]} - 15354 T^8 \mathcal{A}_{\$[4]} + 25299 T^9 \mathcal{A}_{\$[4]} - 31707 T^{10} \mathcal{A}_{\$[4]} + 31050 T^{11} \mathcal{A}_{\$[4]} - 23382 T^{12} \mathcal{A}_{\$[4]} + \\
& 13185 T^{13} \mathcal{A}_{\$[4]} - 5112 T^{14} \mathcal{A}_{\$[4]} + 1152 T^{15} \mathcal{A}_{\$[4]} - 27 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 90 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 18 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 1566 T^7 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + \\
& 6705 T^8 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 17082 T^9 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 29682 T^{10} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 37071 T^{11} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 33534 T^{12} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - \\
& 21987 T^{13} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} + 9666 T^{14} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 2376 T^{15} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]} - 90 T^6 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} + 648 T^7 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - 2637 T^8 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} + \\
& 7263 T^9 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - 13473 T^{10} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} + 17919 T^{11} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - 17514 T^{12} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} + 12519 T^{13} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - \\
& 5940 T^{14} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} + 1512 T^{15} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]} - 90 T^7 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} + 603 T^8 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} - 1737 T^9 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} + 3042 T^{10} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} - \\
& 3798 T^{11} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} + 3564 T^{12} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} - 2493 T^{13} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} + 1170 T^{14} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} - 288 T^{15} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]} - 63 T^4 \mathcal{A}_{\$[4]}^2 + \\
& 468 T^5 \mathcal{A}_{\$[4]}^2 - 1854 T^6 \mathcal{A}_{\$[4]}^2 + 4671 T^7 \mathcal{A}_{\$[4]}^2 - 8235 T^8 \mathcal{A}_{\$[4]}^2 + 10422 T^9 \mathcal{A}_{\$[4]}^2 - 9567 T^{10} \mathcal{A}_{\$[4]}^2 + 6309 T^{11} \mathcal{A}_{\$[4]}^2 - \\
& 2745 T^{12} \mathcal{A}_{\$[4]}^2 + 144 T^{13} \mathcal{A}_{\$[4]}^2 + 756 T^{14} \mathcal{A}_{\$[4]}^2 - 432 T^{15} \mathcal{A}_{\$[4]}^2 - 18 T^3 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 162 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 711 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + \\
& 1971 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 3735 T^7 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 5265 T^8 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 5859 T^9 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 6156 T^{10} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - \\
& 6039 T^{11} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 3609 T^{12} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 450 T^{13} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 - 2052 T^{14} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 1008 T^{15} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^2 + 18 T^5 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - \\
& 135 T^6 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 648 T^7 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - 2160 T^8 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 5409 T^9 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - 9702 T^{10} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 10791 T^{11} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - \\
& 6183 T^{12} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 324 T^{13} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 1620 T^{14} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 - 720 T^{15} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^2 + 36 T^6 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 - 315 T^7 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 1359 T^8 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 - 3528 T^9 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 + 5607 T^{10} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 - 5355 T^{11} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 + 2799 T^{12} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 - \\
& 414 T^{13} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 - 324 T^{14} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 + 144 T^{15} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^2 + T^3 \mathcal{A}_{\$[4]}^3 - 14 T^4 \mathcal{A}_{\$[4]}^3 + 98 T^5 \mathcal{A}_{\$[4]}^3 - 401 T^6 \mathcal{A}_{\$[4]}^3 + \\
& 1060 T^7 \mathcal{A}_{\$[4]}^3 - 1783 T^8 \mathcal{A}_{\$[4]}^3 + 1631 T^9 \mathcal{A}_{\$[4]}^3 + 164 T^{10} \mathcal{A}_{\$[4]}^3 - 2681 T^{11} \mathcal{A}_{\$[4]}^3 + 3600 T^{12} \mathcal{A}_{\$[4]}^3 - 2232 T^{13} \mathcal{A}_{\$[4]}^3 + 576 T^{14} \mathcal{A}_{\$[4]}^3 + \\
& 27 T^4 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 - 243 T^5 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 + 1008 T^6 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 - 2322 T^7 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 + 2556 T^8 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 + 1260 T^9 \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 - \\
& 9414 T^{10} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 + 15831 T^{11} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 - 14058 T^{12} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 + 6768 T^{13} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 - 1440 T^{14} \mathcal{A}_{\$[3]} \mathcal{A}_{\$[4]}^3 + \\
& 18 T^3 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 - 189 T^4 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 + 891 T^5 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 - 2340 T^6 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 + 3087 T^7 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 + 729 T^8 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 11520 T^9 \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 + 23760 T^{10} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 - 26631 T^{11} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 + 17820 T^{12} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 - 6768 T^{13} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 + \\
& 1152 T^{14} \mathcal{A}_{\$[3]}^2 \mathcal{A}_{\$[4]}^3 + \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - 14 T \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 + 98 T^2 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - 438 T^3 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 + 1344 T^4 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - \\
& 2835 T^5 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 + 3724 T^6 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - 1400 T^7 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - 5812 T^8 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 + 14965 T^9 \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - \\
& 19280 T^{10} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 + 15425 T^{11} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - 7722 T^{12} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 + 2232 T^{13} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 - 288 T^{14} \mathcal{A}_{\$[3]}^3 \mathcal{A}_{\$[4]}^3 \left. \right)
\end{aligned}$$

$$(Alt) Out[] = \left\{ 73.0781, \mathbb{E}_{\{\} \rightarrow \{\}} \left[\frac{1}{2} \left(-4 t \hbar - \text{Log} \left[\left(\frac{1}{T^3} - \frac{2}{T^2} + \frac{2}{T} \right)^2 \right] - \text{Log} \left[\left(1 + \frac{T}{1 - 2 T + 2 T^2} - \frac{T^2}{1 - 2 T + 2 T^2} \right)^2 \right] \right) \right], \right.$$

$$\frac{2 a (-1 + T) (1 + T) \hbar}{1 - T + T^2} + \frac{(-1 + T) (2 - T + T^2) \hbar}{(1 - T + T^2)^2} - \frac{2 (1 + T) x y \hbar^2}{1 - T + T^2},$$

$$\frac{2 a^2 T (1 - 4 T + T^2) \hbar^2}{(1 - T + T^2)^2} + \frac{2 a T (1 - 7 T + 6 T^2 - 3 T^3 + T^4) \hbar^2}{(1 - T + T^2)^3} + \frac{(-1 + T) T (-1 + 10 T - 6 T^2 + 6 T^3 - 2 T^4 + T^5) \hbar^2}{2 (1 - T + T^2)^4} -$$

$$\left. \frac{4 a T (-2 + 2 T + T^2) x y \hbar^3}{(1 - T + T^2)^2} + \frac{2 (1 + T) (-1 + T - 2 T^2 - T^3 + T^4) x y \hbar^3}{(1 - T + T^2)^3} + \frac{(1 + 5 T + T^2) x^2 y^2 \hbar^4}{(1 - T + T^2)^2} \right\}$$

```
(Alt) In[ ]:= PrintProfile[]
```

```
(Alt) Out[ ]:= ProfileRoot is root. Profiled time: 118.751
( 3) 0.393/ 118.740 above Z
( 3) 0.016/ 0.016 above RVK
CCF: called 47610 times, time in 59.067/59.067
( 47610) 59.067/ 59.067 under CF
CF: called 41270 times, time in 36.994/96.061
( 424) 1.137/ 1.811 under Z
( 202) 0.202/ 0.296 under Boot
( 498) 4.165/ 11.278 under EZip3
( 302) 0.486/ 0.595 under Zip1
( 996) 19.205/ 65.932 under Zip2
( 38848) 11.799/ 16.149 under Zip3
( 47610) 59.067/ 59.067 above CCF
Zip3: called 302 times, time in 8.762/24.911
( 101) 3.821/ 13.896 under Z
( 50) 1.940/ 4.655 under Boot
( 151) 3.001/ 6.360 under EZip3
( 38848) 11.799/ 16.149 above CF
EZip3: called 151 times, time in 7.548/25.186
( 101) 7.234/ 22.359 under Z
( 50) 0.314/ 2.827 under Boot
( 498) 4.165/ 11.278 above CF
( 151) 3.001/ 6.360 above Zip3
Zip2: called 302 times, time in 3.004/68.936
( 202) 1.967/ 67.104 under Z
( 100) 1.037/ 1.832 under Boot
( 996) 19.205/ 65.932 above CF
Zip1: called 151 times, time in 2.749/3.344
( 101) 1.530/ 1.938 under Z
( 50) 1.219/ 1.406 under Boot
( 302) 0.486/ 0.595 above CF
Z: called 3 times, time in 0.393/118.735
( 3) 0.393/ 118.740 under ProfileRoot
( 12) 0.061/ 11.234 above Boot
( 424) 1.137/ 1.811 above CF
( 101) 7.234/ 22.359 above EZip3
( 101) 1.530/ 1.938 above Zip1
( 202) 1.967/ 67.104 above Zip2
( 101) 3.821/ 13.896 above Zip3
Boot: called 47 times, time in 0.218/30.954
( 12) 0.061/ 11.234 under Z
( 35) 0.157/ 19.720 under Boot
( 35) 0.157/ 19.720 above Boot
( 202) 0.202/ 0.296 above CF
( 50) 0.314/ 2.827 above EZip3
( 50) 1.219/ 1.406 above Zip1
( 100) 1.037/ 1.832 above Zip2
( 50) 1.940/ 4.655 above Zip3
RVK: called 3 times, time in 0.016/0.016
( 3) 0.016/ 0.016 under ProfileRoot
```

```
(Alt) In[ ]:= Timing@Block[{$k = 2}, Z[Knot[8, 17]]]
```

» With LeafCount==2570, nE is

$$\begin{aligned}
& \frac{1}{4(1-4T+6T^2-5T^3+T^4)^6 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]}^3} (-1+T) T^2 \hbar^5 (16-272T+2176T^2-10961T^3+39159T^4-105629T^5+222919T^6- \\
& 375417T^7+508963T^8-554835T^9+479821T^{10}-317717T^{11}+146859T^{12}-32181T^{13}-12925T^{14}+15378T^{15}- \\
& 6686T^{16}+1388T^{17}-64T^{18}+8T^{19}\mathcal{A}_{\$[4]}-96T^{20}\mathcal{A}_{\$[4]}+504T^{21}\mathcal{A}_{\$[4]}-1572T^{22}\mathcal{A}_{\$[4]}+3360T^{23}\mathcal{A}_{\$[4]}-5272T^{24}\mathcal{A}_{\$[4]}+ \\
& 5764T^{25}\mathcal{A}_{\$[4]}-2586T^{26}\mathcal{A}_{\$[4]}-5024T^{27}\mathcal{A}_{\$[4]}+13852T^{28}\mathcal{A}_{\$[4]}-18396T^{29}\mathcal{A}_{\$[4]}+16024T^{30}\mathcal{A}_{\$[4]}-9388T^{31}\mathcal{A}_{\$[4]}+ \\
& 3446T^{32}\mathcal{A}_{\$[4]}-576T^{33}\mathcal{A}_{\$[4]}-40T^{34}\mathcal{A}_{\$[4]}-36T^{35}\mathcal{A}_{\$[4]}^2+428T^{36}\mathcal{A}_{\$[4]}^2-2304T^{37}\mathcal{A}_{\$[4]}^2+7460T^{38}\mathcal{A}_{\$[4]}^2-16345T^{39}\mathcal{A}_{\$[4]}^2+ \\
& 25857T^{40}\mathcal{A}_{\$[4]}^2-30624T^{41}\mathcal{A}_{\$[4]}^2+27542T^{42}\mathcal{A}_{\$[4]}^2-18716T^{43}\mathcal{A}_{\$[4]}^2+9414T^{44}\mathcal{A}_{\$[4]}^2-3413T^{45}\mathcal{A}_{\$[4]}^2+899T^{46}\mathcal{A}_{\$[4]}^2- \\
& 214T^{47}\mathcal{A}_{\$[4]}^2+52T^{48}\mathcal{A}_{\$[4]}^2+\mathcal{A}_{\$[5]}-34T\mathcal{A}_{\$[5]}+389T^2\mathcal{A}_{\$[5]}-2420T^3\mathcal{A}_{\$[5]}+9752T^4\mathcal{A}_{\$[5]}-27692T^5\mathcal{A}_{\$[5]}+ \\
& 57558T^6\mathcal{A}_{\$[5]}-87472T^7\mathcal{A}_{\$[5]}+90834T^8\mathcal{A}_{\$[5]}-44156T^9\mathcal{A}_{\$[5]}-45032T^{10}\mathcal{A}_{\$[5]}+132640T^{11}\mathcal{A}_{\$[5]}- \\
& 170735T^{12}\mathcal{A}_{\$[5]}+147090T^{13}\mathcal{A}_{\$[5]}-90251T^{14}\mathcal{A}_{\$[5]}+38724T^{15}\mathcal{A}_{\$[5]}-10612T^{16}\mathcal{A}_{\$[5]}+1400T^{17}\mathcal{A}_{\$[5]}+ \\
& 8T^{18}\mathcal{A}_{\$[5]}+12T^3\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}-172T^4\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}+1092T^5\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}-4052T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}+9886T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}- \\
& 17170T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}+22866T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}-24526T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}+20512T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}-11488T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}+ \\
& 2514T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}+1426T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}-790T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}-666T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}+784T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}- \\
& 232T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}-4T^{19}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+153T^{20}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-1452T^{21}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+6926T^{22}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-20138T^{23}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+ \\
& 39135T^{24}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-53744T^{25}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+54113T^{26}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-40816T^{27}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+23238T^{28}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}- \\
& 10028T^{29}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+3357T^{30}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-870T^{31}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+134T^{32}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+8T^{33}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-104T^{34}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+ \\
& 636T^{35}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-2405T^{36}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+6137T^{37}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-10522T^{38}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+10076T^{39}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+2851T^{40}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-29345T^{41}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+ \\
& 56459T^{42}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-65647T^{43}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+51994T^{44}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-28294T^{45}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+9819T^{46}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-1573T^{47}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}-164T^{48}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+ \\
& 82T^{49}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}+24T\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2-408T^2\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+3308T^3\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2-16892T^4\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+60620T^5\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2- \\
& 161816T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+331828T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2-532576T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+676256T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2-684376T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+ \\
& 555552T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2-363374T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+191428T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2-81030T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+27856T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2- \\
& 7986T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+1808T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2-230T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2+12T^{19}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-216T^{20}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+1852T^{21}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2- \\
& 10008T^{22}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+38092T^{23}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-108244T^{24}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+237672T^{25}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-411964T^{26}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+ \\
& 571660T^{27}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-641668T^{28}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+587768T^{29}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-442241T^{30}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+273395T^{31}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2- \\
& 137593T^{32}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+55587T^{33}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-17955T^{34}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+4681T^{35}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-935T^{36}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2+ \\
& 105T^{37}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2-4T^{38}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+55T^{39}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}-364T^{40}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+1564T^{41}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}-5022T^{42}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+13148T^{43}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}- \\
& 29288T^{44}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+55563T^{45}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}-87658T^{46}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+111613T^{47}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}-111572T^{48}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+85558T^{49}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}- \\
& 49450T^{50}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+21362T^{51}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}-6968T^{52}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+1759T^{53}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}-330T^{54}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}+34T^{55}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}-8T^{56}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+ \\
& 80T^{57}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-216T^{58}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-1084T^{59}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+11876T^{60}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-53704T^{61}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+ \\
& 157008T^{62}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-330100T^{63}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+520410T^{64}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-625618T^{65}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+575556T^{66}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3- \\
& 403436T^{67}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+213496T^{68}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-84408T^{69}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+24764T^{70}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-5372T^{71}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+ \\
& 826T^{72}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3-70T^{73}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3+4T^{74}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-96T^{75}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+1020T^{76}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-6608T^{77}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+ \\
& 29624T^{78}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-97988T^{79}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+247980T^{80}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-490344T^{81}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+766055T^{82}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3- \\
& 949138T^{83}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+930539T^{84}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-716580T^{85}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+428278T^{86}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-195540T^{87}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+ \\
& 66990T^{88}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-16956T^{89}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+3143T^{90}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3-414T^{91}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3+31T^{92}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3)
\end{aligned}$$

» With LeafCount==3667, nE is

$$\begin{aligned}
& \frac{1}{36(1-4T+6T^2-5T^3+T^4)^6 \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]}^3} \hbar^5 (-4-12T+1020T^2-11756T^3+75408T^4-331464T^5+1090428T^6-2816700T^7+ \\
& 5880237T^8-10098857T^9+14415570T^{10}-17178438T^{11}+17072379T^{12}-14052639T^{13}+9440178T^{14}-5035938T^{15}+ \\
& 2023257T^{16}-540093T^{17}+54176T^{18}+20820T^{19}-8664T^{20}+728T^{21}-144T^{22}\mathcal{A}_{\$[4]}+2304T^{23}\mathcal{A}_{\$[4]}-17280T^{24}\mathcal{A}_{\$[4]}+ \\
& 81369T^{25}\mathcal{A}_{\$[4]}-271062T^{26}\mathcal{A}_{\$[4]}+679599T^{27}\mathcal{A}_{\$[4]}-1326672T^{28}\mathcal{A}_{\$[4]}+2052549T^{29}\mathcal{A}_{\$[4]}-2532294T^{30}\mathcal{A}_{\$[4]}+ \\
& 2477889T^{31}\mathcal{A}_{\$[4]}-1880424T^{32}\mathcal{A}_{\$[4]}+1042929T^{33}\mathcal{A}_{\$[4]}-349578T^{34}\mathcal{A}_{\$[4]}-6057T^{35}\mathcal{A}_{\$[4]}+83880T^{36}\mathcal{A}_{\$[4]}- \\
& 48294T^{37}\mathcal{A}_{\$[4]}+12780T^{38}\mathcal{A}_{\$[4]}-756T^{39}\mathcal{A}_{\$[4]}-36T^{40}\mathcal{A}_{\$[4]}^2+396T^{41}\mathcal{A}_{\$[4]}^2-1872T^{42}\mathcal{A}_{\$[4]}^2+5580T^{43}\mathcal{A}_{\$[4]}^2- \\
& 13212T^{44}\mathcal{A}_{\$[4]}^2+26568T^{45}\mathcal{A}_{\$[4]}^2-41544T^{46}\mathcal{A}_{\$[4]}^2+44217T^{47}\mathcal{A}_{\$[4]}^2-23931T^{48}\mathcal{A}_{\$[4]}^2-9027T^{49}\mathcal{A}_{\$[4]}^2+30663T^{50}\mathcal{A}_{\$[4]}^2- \\
& 29331T^{51}\mathcal{A}_{\$[4]}^2+15021T^{52}\mathcal{A}_{\$[4]}^2-3942T^{53}\mathcal{A}_{\$[4]}^2+212T^{54}\mathcal{A}_{\$[4]}^3-2172T^{55}\mathcal{A}_{\$[4]}^3+10020T^{56}\mathcal{A}_{\$[4]}^3-27680T^{57}\mathcal{A}_{\$[4]}^3+ \\
& 51351T^{58}\mathcal{A}_{\$[4]}^3-67800T^{59}\mathcal{A}_{\$[4]}^3+65388T^{60}\mathcal{A}_{\$[4]}^3-46014T^{61}\mathcal{A}_{\$[4]}^3+22866T^{62}\mathcal{A}_{\$[4]}^3-7384T^{63}\mathcal{A}_{\$[4]}^3+1299T^{64}\mathcal{A}_{\$[4]}^3- \\
& 114T^{65}\mathcal{A}_{\$[4]}^3+104T^{66}\mathcal{A}_{\$[4]}^3+144T^{67}\mathcal{A}_{\$[4]}^3-2592T^{68}\mathcal{A}_{\$[4]}^3+22032T^{69}\mathcal{A}_{\$[4]}^3-118233T^{70}\mathcal{A}_{\$[4]}^3+451080T^{71}\mathcal{A}_{\$[4]}^3- \\
& 1303092T^{72}\mathcal{A}_{\$[4]}^3+2956932T^{73}\mathcal{A}_{\$[4]}^3-5384736T^{74}\mathcal{A}_{\$[4]}^3+7956180T^{75}\mathcal{A}_{\$[4]}^3-9557766T^{76}\mathcal{A}_{\$[4]}^3+9261756T^{77}\mathcal{A}_{\$[4]}^3- \\
& 7073658T^{78}\mathcal{A}_{\$[4]}^3+4024512T^{79}\mathcal{A}_{\$[4]}^3-1435032T^{80}\mathcal{A}_{\$[4]}^3+22176T^{81}\mathcal{A}_{\$[4]}^3+353691T^{82}\mathcal{A}_{\$[4]}^3-247212T^{83}\mathcal{A}_{\$[4]}^3+
\end{aligned}$$

$$\begin{aligned}
& 89\,802\,T^{19}\mathcal{A}_{\$[5]} - 16\,956\,T^{20}\mathcal{A}_{\$[5]} + 972\,T^{21}\mathcal{A}_{\$[5]} - 9\,T^4\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 297\,T^5\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 3204\,T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + \\
& 18\,576\,T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 69\,336\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 181\,692\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 346\,698\,T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 476\,298\,T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - \\
& 423\,180\,T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 106\,488\,T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 358\,884\,T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 712\,404\,T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 767\,691\,T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - \\
& 561\,699\,T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 284\,688\,T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 93\,888\,T^{19}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 16\,164\,T^{20}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 360\,T^{21}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - \\
& 108\,T^7\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} + 1368\,T^8\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - 7740\,T^9\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} + 24\,984\,T^{10}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - 50\,553\,T^{11}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} + \\
& 67\,302\,T^{12}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - 59\,013\,T^{13}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} + 26\,910\,T^{14}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} + 14\,922\,T^{15}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - 46\,890\,T^{16}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} + \\
& 52\,245\,T^{17}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - 34\,092\,T^{18}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} + 12\,213\,T^{19}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - 882\,T^{20}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - 666\,T^{21}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]} - \\
& 216\,T^9\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 1449\,T^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 3087\,T^{11}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 1449\,T^{12}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 20\,601\,T^{13}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - \\
& 48\,960\,T^{14}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 65\,844\,T^{15}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 58\,455\,T^{16}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 35\,865\,T^{17}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 15\,345\,T^{18}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + \\
& 4815\,T^{19}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 1368\,T^{20}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 306\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 36\,T^3\mathcal{A}_{\$[5]}^2 + 540\,T^4\mathcal{A}_{\$[5]}^2 - 3672\,T^5\mathcal{A}_{\$[5]}^2 + 14\,832\,T^6\mathcal{A}_{\$[5]}^2 - \\
& 38\,376\,T^7\mathcal{A}_{\$[5]}^2 + 59\,508\,T^8\mathcal{A}_{\$[5]}^2 - 20\,412\,T^9\mathcal{A}_{\$[5]}^2 - 172\,503\,T^{10}\mathcal{A}_{\$[5]}^2 + 577\,917\,T^{11}\mathcal{A}_{\$[5]}^2 - 1\,123\,389\,T^{12}\mathcal{A}_{\$[5]}^2 + \\
& 1\,591\,857\,T^{13}\mathcal{A}_{\$[5]}^2 - 1\,749\,528\,T^{14}\mathcal{A}_{\$[5]}^2 + 1\,519\,200\,T^{15}\mathcal{A}_{\$[5]}^2 - 1\,037\,223\,T^{16}\mathcal{A}_{\$[5]}^2 + 543\,429\,T^{17}\mathcal{A}_{\$[5]}^2 - 208\,359\,T^{18}\mathcal{A}_{\$[5]}^2 + \\
& 53\,361\,T^{19}\mathcal{A}_{\$[5]}^2 - 7398\,T^{20}\mathcal{A}_{\$[5]}^2 + 252\,T^{21}\mathcal{A}_{\$[5]}^2 - 360\,T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 4860\,T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 30\,492\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + \\
& 118\,449\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 318\,564\,T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 624\,978\,T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 911\,070\,T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 976\,923\,T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - \\
& 734\,796\,T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 335\,025\,T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 28\,476\,T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 77\,454\,T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 56\,592\,T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - \\
& 16\,983\,T^{19}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 846\,T^{20}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 522\,T^{21}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 360\,T^5\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 5436\,T^6\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 38\,628\,T^7\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 171\,828\,T^8\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 535\,752\,T^9\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 1\,240\,488\,T^{10}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 2\,200\,500\,T^{11}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + \\
& 3\,037\,392\,T^{12}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 3\,282\,660\,T^{13}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 2\,781\,792\,T^{14}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 1\,846\,944\,T^{15}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + \\
& 956\,961\,T^{16}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 382\,905\,T^{17}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 117\,126\,T^{18}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 28\,386\,T^{19}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 5985\,T^{20}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 873\,T^{21}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 108\,T^4\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 1728\,T^5\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 13\,068\,T^6\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 62\,064\,T^7\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - \\
& 207\,180\,T^8\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 515\,232\,T^9\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 986\,508\,T^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 1\,481\,652\,T^{11}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 1\,763\,892\,T^{12}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + \\
& 1\,675\,764\,T^{13}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 1\,278\,648\,T^{14}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 788\,607\,T^{15}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 393\,642\,T^{16}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + \\
& 157\,149\,T^{17}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 49\,068\,T^{18}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 11\,925\,T^{19}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 2286\,T^{20}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 279\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + \\
& 4\,T^3\mathcal{A}_{\$[5]}^3 - 60\,T^4\mathcal{A}_{\$[5]}^3 + 456\,T^5\mathcal{A}_{\$[5]}^3 - 2388\,T^6\mathcal{A}_{\$[5]}^3 + 9753\,T^7\mathcal{A}_{\$[5]}^3 - 32\,562\,T^8\mathcal{A}_{\$[5]}^3 + 89\,451\,T^9\mathcal{A}_{\$[5]}^3 - 200\,634\,T^{10}\mathcal{A}_{\$[5]}^3 + \\
& 364\,197\,T^{11}\mathcal{A}_{\$[5]}^3 - 531\,048\,T^{12}\mathcal{A}_{\$[5]}^3 + 617\,172\,T^{13}\mathcal{A}_{\$[5]}^3 - 566\,286\,T^{14}\mathcal{A}_{\$[5]}^3 + 405\,713\,T^{15}\mathcal{A}_{\$[5]}^3 - 224\,052\,T^{16}\mathcal{A}_{\$[5]}^3 + \\
& 93\,465\,T^{17}\mathcal{A}_{\$[5]}^3 - 28\,084\,T^{18}\mathcal{A}_{\$[5]}^3 + 5325\,T^{19}\mathcal{A}_{\$[5]}^3 - 390\,T^{20}\mathcal{A}_{\$[5]}^3 - 32\,T^{21}\mathcal{A}_{\$[5]}^3 + 36\,T^3\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 576\,T^4\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 4320\,T^5\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 19\,899\,T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 62\,109\,T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 136\,647\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 212\,247\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 221\,913\,T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 129\,807\,T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 2448\,T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 38\,574\,T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 37\,971\,T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 131\,517\,T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 145\,233\,T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 92\,529\,T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 38\,385\,T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 11\,115\,T^{19}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 2304\,T^{20}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 270\,T^{21}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 72\,T^3\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 1296\,T^4\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + 11\,304\,T^5\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - \\
& 62\,712\,T^6\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + 245\,448\,T^7\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 713\,772\,T^8\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + 1\,586\,160\,T^9\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 2\,730\,600\,T^{10}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + \\
& 3\,649\,356\,T^{11}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 3\,748\,248\,T^{12}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + 2\,877\,957\,T^{13}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 1\,549\,044\,T^{14}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + \\
& 479\,952\,T^{15}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + 13\,320\,T^{16}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 96\,750\,T^{17}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + 51\,588\,T^{18}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 15\,300\,T^{19}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + \\
& 2844\,T^{20}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 - 279\,T^{21}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^3 + 4\,\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 96\,T^3\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 1104\,T^2\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 8080\,T^3\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + \\
& 42\,240\,T^4\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 167\,640\,T^5\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 523\,236\,T^6\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 1\,311\,348\,T^7\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 2\,669\,808\,T^8\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - \\
& 4\,437\,984\,T^9\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 6\,021\,588\,T^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 6\,632\,712\,T^{11}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 5\,864\,603\,T^{12}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - \\
& 4\,084\,635\,T^{13}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 2\,172\,624\,T^{14}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 834\,648\,T^{15}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 203\,070\,T^{16}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - \\
& 15\,474\,T^{17}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 8848\,T^{18}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 3900\,T^{19}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 789\,T^{20}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 77\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3)
\end{aligned}$$

»

» With LeafCount==4432, nC is

$$\begin{aligned}
& \frac{1}{9(1-4T+6T^2-5T^3+T^4)^7}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3\hbar^5(1-T-225T^2+3144T^3-23\,044T^4+113\,160T^5-408\,061T^6+1\,128\,386T^7- \\
& 2\,431\,293T^8+4\,032\,575T^9-4\,788\,812T^{10}+2\,760\,414T^{11}+3\,794\,960T^{12}-14\,822\,875T^{13}+27\,526\,782T^{14}-37\,291\,134T^{15}+ \\
& 40\,248\,543T^{16}-35\,646\,189T^{17}+26\,125\,567T^{18}-15\,792\,223T^{19}+7\,769\,211T^{20}-3\,034\,369T^{21}+901\,941T^{22}- \\
& 189\,657T^{23}+24\,487T^{24}-1415T^{25}+27T^4\mathcal{A}_{\$[4]}-477T^5\mathcal{A}_{\$[4]}+3870T^6\mathcal{A}_{\$[4]}-18\,972T^7\mathcal{A}_{\$[4]}+61\,038T^8\mathcal{A}_{\$[4]}- \\
& 123\,750T^9\mathcal{A}_{\$[4]}+90\,549T^{10}\mathcal{A}_{\$[4]}+391\,968T^{11}\mathcal{A}_{\$[4]}-1\,928\,862T^{12}\mathcal{A}_{\$[4]}+5\,074\,371T^{13}\mathcal{A}_{\$[4]}-9\,732\,231T^{14}\mathcal{A}_{\$[4]}+ \\
& 14\,718\,735T^{15}\mathcal{A}_{\$[4]}-18\,095\,391T^{16}\mathcal{A}_{\$[4]}+18\,303\,768T^{17}\mathcal{A}_{\$[4]}-15\,260\,706T^{18}\mathcal{A}_{\$[4]}+10\,422\,810T^{19}\mathcal{A}_{\$[4]}- \\
& 5\,746\,824T^{20}\mathcal{A}_{\$[4]}+2\,493\,126T^{21}\mathcal{A}_{\$[4]}-814\,860T^{22}\mathcal{A}_{\$[4]}+186\,093T^{23}\mathcal{A}_{\$[4]}-25\,587T^{24}\mathcal{A}_{\$[4]}+1539T^{25}\mathcal{A}_{\$[4]}- \\
& 54T^7\mathcal{A}_{\$[4]}^2+963T^8\mathcal{A}_{\$[4]}^2-8109T^9\mathcal{A}_{\$[4]}^2+43\,254T^{10}\mathcal{A}_{\$[4]}^2-165\,114T^{11}\mathcal{A}_{\$[4]}^2+481\,653T^{12}\mathcal{A}_{\$[4]}^2-1\,115\,667T^{13}\mathcal{A}_{\$[4]}^2+ \\
& 2\,099\,520T^{14}\mathcal{A}_{\$[4]}^2-3\,253\,563T^{15}\mathcal{A}_{\$[4]}^2+4\,181\,733T^{16}\mathcal{A}_{\$[4]}^2-4\,466\,007T^{17}\mathcal{A}_{\$[4]}^2+3\,950\,145T^{18}\mathcal{A}_{\$[4]}^2-2\,867\,238T^{19}\mathcal{A}_{\$[4]}^2+ \\
& 1\,679\,679T^{20}\mathcal{A}_{\$[4]}^2-772\,614T^{21}\mathcal{A}_{\$[4]}^2+266\,598T^{22}\mathcal{A}_{\$[4]}^2-63\,792T^{23}\mathcal{A}_{\$[4]}^2+9036T^{24}\mathcal{A}_{\$[4]}^2-549T^{25}\mathcal{A}_{\$[4]}^2+
\end{aligned}$$

$$\begin{aligned}
& 55 T^9 \mathcal{A}_{[4]}^3 - 811 T^{10} \mathcal{A}_{[4]}^3 + 5589 T^{11} \mathcal{A}_{[4]}^3 - 24006 T^{12} \mathcal{A}_{[4]}^3 + 72380 T^{13} \mathcal{A}_{[4]}^3 - 163563 T^{14} \mathcal{A}_{[4]}^3 + 288365 T^{15} \mathcal{A}_{[4]}^3 - \\
& 406447 T^{16} \mathcal{A}_{[4]}^3 + 464079 T^{17} \mathcal{A}_{[4]}^3 - 431066 T^{18} \mathcal{A}_{[4]}^3 + 324401 T^{19} \mathcal{A}_{[4]}^3 - 195177 T^{20} \mathcal{A}_{[4]}^3 + 91532 T^{21} \mathcal{A}_{[4]}^3 - \\
& 31992 T^{22} \mathcal{A}_{[4]}^3 + 7695 T^{23} \mathcal{A}_{[4]}^3 - 1079 T^{24} \mathcal{A}_{[4]}^3 + 64 T^{25} \mathcal{A}_{[4]}^3 - 27 T^2 \mathcal{A}_{[5]} + 531 T^3 \mathcal{A}_{[5]} - 4851 T^4 \mathcal{A}_{[5]} + 27189 T^5 \mathcal{A}_{[5]} - \\
& 103014 T^6 \mathcal{A}_{[5]} + 267714 T^7 \mathcal{A}_{[5]} - 423873 T^8 \mathcal{A}_{[5]} + 45990 T^9 \mathcal{A}_{[5]} + 2113245 T^{10} \mathcal{A}_{[5]} - 7846407 T^{11} \mathcal{A}_{[5]} + \\
& 18426501 T^{12} \mathcal{A}_{[5]} - 33001434 T^{13} \mathcal{A}_{[5]} + 47786004 T^{14} \mathcal{A}_{[5]} - 57347928 T^{15} \mathcal{A}_{[5]} + 57653361 T^{16} \mathcal{A}_{[5]} - \\
& 48673125 T^{17} \mathcal{A}_{[5]} + 34372008 T^{18} \mathcal{A}_{[5]} - 20095704 T^{19} \mathcal{A}_{[5]} + 9553626 T^{20} \mathcal{A}_{[5]} - 3588156 T^{21} \mathcal{A}_{[5]} + \\
& 1016721 T^{22} \mathcal{A}_{[5]} - 201276 T^{23} \mathcal{A}_{[5]} + 24201 T^{24} \mathcal{A}_{[5]} - 1296 T^{25} \mathcal{A}_{[5]} - 27 T^5 \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 414 T^6 \mathcal{A}_{[4]} \mathcal{A}_{[5]} - \\
& 2736 T^7 \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 9405 T^8 \mathcal{A}_{[4]} \mathcal{A}_{[5]} - 10341 T^9 \mathcal{A}_{[4]} \mathcal{A}_{[5]} - 66312 T^{10} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 444303 T^{11} \mathcal{A}_{[4]} \mathcal{A}_{[5]} - \\
& 1552608 T^{12} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 3873537 T^{13} \mathcal{A}_{[4]} \mathcal{A}_{[5]} - 7502157 T^{14} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 11677644 T^{15} \mathcal{A}_{[4]} \mathcal{A}_{[5]} - \\
& 14837976 T^{16} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 15470577 T^{17} \mathcal{A}_{[4]} \mathcal{A}_{[5]} - 13207185 T^{18} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 9148446 T^{19} \mathcal{A}_{[4]} \mathcal{A}_{[5]} - \\
& 5053734 T^{20} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 2163096 T^{21} \mathcal{A}_{[4]} \mathcal{A}_{[5]} - 684252 T^{22} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 147627 T^{23} \mathcal{A}_{[4]} \mathcal{A}_{[5]} - \\
& 18747 T^{24} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 1026 T^{25} \mathcal{A}_{[4]} \mathcal{A}_{[5]} + 18 T^7 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 198 T^8 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + 684 T^9 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + \\
& 1107 T^{10} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 20277 T^{11} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + 100494 T^{12} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 318609 T^{13} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + 745614 T^{14} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - \\
& 1356849 T^{15} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + 1965213 T^{16} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 2289564 T^{17} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + 2150244 T^{18} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - \\
& 1617786 T^{19} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + 959463 T^{20} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 435402 T^{21} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + 143703 T^{22} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 31563 T^{23} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} + \\
& 3906 T^{24} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 198 T^{25} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]} - 36 T^9 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + 378 T^{10} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} - 1620 T^{11} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + \\
& 3114 T^{12} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + 603 T^{13} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} - 19413 T^{14} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + 57339 T^{15} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} - 101808 T^{16} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + \\
& 129096 T^{17} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} - 123723 T^{18} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + 91242 T^{19} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} - 51516 T^{20} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + 21645 T^{21} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} - \\
& 6345 T^{22} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + 1125 T^{23} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} - 81 T^{24} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]} + 63 T^4 \mathcal{A}_{[5]}^2 - 1323 T^5 \mathcal{A}_{[5]}^2 + 13257 T^6 \mathcal{A}_{[5]}^2 - \\
& 84645 T^7 \mathcal{A}_{[5]}^2 + 387612 T^8 \mathcal{A}_{[5]}^2 - 1356912 T^9 \mathcal{A}_{[5]}^2 + 3775329 T^{10} \mathcal{A}_{[5]}^2 - 8560881 T^{11} \mathcal{A}_{[5]}^2 + 16085646 T^{12} \mathcal{A}_{[5]}^2 - \\
& 25314642 T^{13} \mathcal{A}_{[5]}^2 + 33579234 T^{14} \mathcal{A}_{[5]}^2 - 37645353 T^{15} \mathcal{A}_{[5]}^2 + 35646300 T^{16} \mathcal{A}_{[5]}^2 - 28391148 T^{17} \mathcal{A}_{[5]}^2 + \\
& 18863991 T^{18} \mathcal{A}_{[5]}^2 - 10315305 T^{19} \mathcal{A}_{[5]}^2 + 4546710 T^{20} \mathcal{A}_{[5]}^2 - 1565667 T^{21} \mathcal{A}_{[5]}^2 + 401607 T^{22} \mathcal{A}_{[5]}^2 - \\
& 71100 T^{23} \mathcal{A}_{[5]}^2 + 7587 T^{24} \mathcal{A}_{[5]}^2 - 360 T^{25} \mathcal{A}_{[5]}^2 + 18 T^3 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 396 T^4 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 4176 T^5 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - \\
& 28143 T^6 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 136278 T^7 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 505224 T^8 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 1491210 T^9 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 3595959 T^{10} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + \\
& 7211520 T^{11} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 12178449 T^{12} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 17470026 T^{13} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 21410334 T^{14} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + \\
& 22485258 T^{15} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 20235843 T^{16} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 15543108 T^{17} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 10091025 T^{18} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + \\
& 5443722 T^{19} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 2377089 T^{20} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 808875 T^{21} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 202815 T^{22} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + \\
& 34290 T^{23} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 - 3339 T^{24} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 135 T^{25} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^2 + 18 T^6 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 351 T^7 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + \\
& 3177 T^8 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 18009 T^9 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 72504 T^{10} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 221787 T^{11} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 536130 T^{12} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - \\
& 1048500 T^{13} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 1681596 T^{14} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 2223864 T^{15} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 2417868 T^{16} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - \\
& 2135529 T^{17} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 1500642 T^{18} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 813510 T^{19} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 324540 T^{20} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 87390 T^{21} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + \\
& 12582 T^{22} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 216 T^{23} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 369 T^{24} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 + 36 T^{25} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^2 - 18 T^7 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + 279 T^8 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - \\
& 2025 T^9 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + 9216 T^{10} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - 29583 T^{11} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + 71136 T^{12} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - 132561 T^{13} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + \\
& 195876 T^{14} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - 235026 T^{15} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + 236619 T^{16} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - 207540 T^{17} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + 161640 T^{18} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - \\
& 109431 T^{19} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + 61101 T^{20} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - 26469 T^{21} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + 8334 T^{22} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - 1746 T^{23} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 + \\
& 207 T^{24} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - 9 T^{25} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^2 - T^3 \mathcal{A}_{[5]}^3 + 28 T^4 \mathcal{A}_{[5]}^3 - 378 T^5 \mathcal{A}_{[5]}^3 + 3227 T^6 \mathcal{A}_{[5]}^3 - 19462 T^7 \mathcal{A}_{[5]}^3 + \\
& 88206 T^8 \mathcal{A}_{[5]}^3 - 312465 T^9 \mathcal{A}_{[5]}^3 + 888285 T^{10} \mathcal{A}_{[5]}^3 - 2063058 T^{11} \mathcal{A}_{[5]}^3 + 3960735 T^{12} \mathcal{A}_{[5]}^3 - 6329631 T^{13} \mathcal{A}_{[5]}^3 + \\
& 8445678 T^{14} \mathcal{A}_{[5]}^3 - 9404120 T^{15} \mathcal{A}_{[5]}^3 + 8704022 T^{16} \mathcal{A}_{[5]}^3 - 6646896 T^{17} \mathcal{A}_{[5]}^3 + 4141553 T^{18} \mathcal{A}_{[5]}^3 - 2072961 T^{19} \mathcal{A}_{[5]}^3 + \\
& 815871 T^{20} \mathcal{A}_{[5]}^3 - 245016 T^{21} \mathcal{A}_{[5]}^3 + 53693 T^{22} \mathcal{A}_{[5]}^3 - 7992 T^{23} \mathcal{A}_{[5]}^3 + 710 T^{24} \mathcal{A}_{[5]}^3 - 28 T^{25} \mathcal{A}_{[5]}^3 - 27 T^4 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 567 T^5 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 5724 T^6 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 36954 T^7 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 171063 T^8 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 603072 T^9 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - \\
& 1678077 T^{10} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 3767715 T^{11} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 6918120 T^{12} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 10462941 T^{13} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - \\
& 13061988 T^{14} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 13428981 T^{15} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 11293893 T^{16} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 7682256 T^{17} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - \\
& 4156182 T^{18} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 1745631 T^{19} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 548847 T^{20} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 121527 T^{21} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - \\
& 16695 T^{22} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 909 T^{23} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 72 T^{24} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 9 T^{25} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 18 T^3 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 396 T^4 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - \\
& 4203 T^5 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 28602 T^6 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 139824 T^7 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 521325 T^8 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 1536039 T^9 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + \\
& 3656376 T^{10} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 7127154 T^{11} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 11459493 T^{12} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 15232293 T^{13} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + \\
& 16697403 T^{14} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 14983884 T^{15} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 10863531 T^{16} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 6229269 T^{17} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + \\
& 2726973 T^{18} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 852057 T^{19} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 158742 T^{20} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 2169 T^{21} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 7830 T^{22} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + \\
& 2133 T^{23} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 243 T^{24} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 9 T^{25} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 28 T \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 378 T^2 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 3273 T^3 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 20408 T^4 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 97521 T^5 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 370979 T^6 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 1151566 T^7 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 -
\end{aligned}$$

»

$$\begin{aligned}
& 2\,965\,269\,T^8\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 6\,402\,726\,T^9\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 11\,669\,199\,T^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 18\,006\,843\,T^{11}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - \\
& 23\,526\,242\,T^{12}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 25\,945\,505\,T^{13}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 24\,000\,639\,T^{14}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 18\,434\,185\,T^{15}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - \\
& 11\,579\,639\,T^{16}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 5\,817\,081\,T^{17}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 2\,256\,827\,T^{18}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 635\,804\,T^{19}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - \\
& 112\,782\,T^{20}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 6002\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 2358\,T^{22}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 - 567\,T^{23}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + 37\,T^{24}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3 + T^{25}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^3)
\end{aligned}$$

» With LeafCount==4933, nE is

$$\begin{aligned}
& - \left(\left(\hbar^5 \left(40\,T^3 - 673\,T^4 + 5601\,T^5 - 30\,624\,T^6 + 122\,651\,T^7 - 379\,839\,T^8 + 937\,926\,T^9 - 1\,880\,573\,T^{10} + 3\,093\,036\,T^{11} - 4\,190\,167\,T^{12} + \right. \right. \right. \\
& 4\,669\,719\,T^{13} - 4\,252\,755\,T^{14} + 3\,124\,761\,T^{15} - 1\,816\,075\,T^{16} + 812\,547\,T^{17} - 270\,686\,T^{18} + 64\,758\,T^{19} - 10\,776\,T^{20} + \\
& 1205\,T^{21} - 76\,T^{22} + 36\,T^2\mathcal{A}_{\$[0]} - 576\,T^3\mathcal{A}_{\$[0]} + 4302\,T^4\mathcal{A}_{\$[0]} - 19\,944\,T^5\mathcal{A}_{\$[0]} + 64\,467\,T^6\mathcal{A}_{\$[0]} - 155\,394\,T^7\mathcal{A}_{\$[0]} + \\
& 295\,443\,T^8\mathcal{A}_{\$[0]} - 477\,126\,T^9\mathcal{A}_{\$[0]} + 729\,657\,T^{10}\mathcal{A}_{\$[0]} - 1\,155\,060\,T^{11}\mathcal{A}_{\$[0]} + 1\,844\,352\,T^{12}\mathcal{A}_{\$[0]} - 2\,685\,510\,T^{13}\mathcal{A}_{\$[0]} + \\
& 3\,292\,506\,T^{14}\mathcal{A}_{\$[0]} - 3\,254\,706\,T^{15}\mathcal{A}_{\$[0]} + 2\,523\,870\,T^{16}\mathcal{A}_{\$[0]} - 1\,494\,540\,T^{17}\mathcal{A}_{\$[0]} + 653\,166\,T^{18}\mathcal{A}_{\$[0]} - \\
& 200\,952\,T^{19}\mathcal{A}_{\$[0]} + 40\,239\,T^{20}\mathcal{A}_{\$[0]} - 4284\,T^{21}\mathcal{A}_{\$[0]} + 18\,T^{22}\mathcal{A}_{\$[0]} + 36\,T^{23}\mathcal{A}_{\$[0]} + 108\,T^2\mathcal{A}_{\$[0]}^2 - 2016\,T^2\mathcal{A}_{\$[0]}^2 + \\
& 18\,000\,T^3\mathcal{A}_{\$[0]}^2 - 102\,204\,T^4\mathcal{A}_{\$[0]}^2 + 413\,046\,T^5\mathcal{A}_{\$[0]}^2 - 1\,256\,823\,T^6\mathcal{A}_{\$[0]}^2 + 2\,959\,263\,T^7\mathcal{A}_{\$[0]}^2 - 5\,419\,557\,T^8\mathcal{A}_{\$[0]}^2 + \\
& 7\,531\,074\,T^9\mathcal{A}_{\$[0]}^2 - 7\,159\,050\,T^{10}\mathcal{A}_{\$[0]}^2 + 2\,330\,388\,T^{11}\mathcal{A}_{\$[0]}^2 + 6\,818\,517\,T^{12}\mathcal{A}_{\$[0]}^2 - 17\,117\,514\,T^{13}\mathcal{A}_{\$[0]}^2 + \\
& 23\,932\,908\,T^{14}\mathcal{A}_{\$[0]}^2 - 24\,358\,059\,T^{15}\mathcal{A}_{\$[0]}^2 + 19\,190\,799\,T^{16}\mathcal{A}_{\$[0]}^2 - 11\,891\,880\,T^{17}\mathcal{A}_{\$[0]}^2 + 5\,777\,640\,T^{18}\mathcal{A}_{\$[0]}^2 - \\
& 2\,166\,147\,T^{19}\mathcal{A}_{\$[0]}^2 + 608\,994\,T^{20}\mathcal{A}_{\$[0]}^2 - 122\,697\,T^{21}\mathcal{A}_{\$[0]}^2 + 16\,434\,T^{22}\mathcal{A}_{\$[0]}^2 - 1260\,T^{23}\mathcal{A}_{\$[0]}^2 + 36\,T^{24}\mathcal{A}_{\$[0]}^2 + 108\,\mathcal{A}_{\$[0]}^3 - \\
& 2304\,T^3\mathcal{A}_{\$[0]}^3 + 24\,012\,T^2\mathcal{A}_{\$[0]}^3 - 162\,720\,T^3\mathcal{A}_{\$[0]}^3 + 804\,924\,T^4\mathcal{A}_{\$[0]}^3 - 3\,092\,688\,T^5\mathcal{A}_{\$[0]}^3 + 9\,586\,984\,T^6\mathcal{A}_{\$[0]}^3 - \\
& 24\,581\,050\,T^7\mathcal{A}_{\$[0]}^3 + 53\,015\,475\,T^8\mathcal{A}_{\$[0]}^3 - 97\,285\,214\,T^9\mathcal{A}_{\$[0]}^3 + 153\,032\,644\,T^{10}\mathcal{A}_{\$[0]}^3 - 207\,271\,512\,T^{11}\mathcal{A}_{\$[0]}^3 + \\
& 242\,181\,007\,T^{12}\mathcal{A}_{\$[0]}^3 - 244\,031\,044\,T^{13}\mathcal{A}_{\$[0]}^3 + 211\,551\,459\,T^{14}\mathcal{A}_{\$[0]}^3 - 157\,087\,524\,T^{15}\mathcal{A}_{\$[0]}^3 + 99\,272\,729\,T^{16}\mathcal{A}_{\$[0]}^3 - \\
& 52\,937\,376\,T^{17}\mathcal{A}_{\$[0]}^3 + 23\,560\,257\,T^{18}\mathcal{A}_{\$[0]}^3 - 8\,629\,910\,T^{19}\mathcal{A}_{\$[0]}^3 + 2\,553\,789\,T^{20}\mathcal{A}_{\$[0]}^3 - 594\,602\,T^{21}\mathcal{A}_{\$[0]}^3 + \\
& 104\,584\,T^{22}\mathcal{A}_{\$[0]}^3 - 12\,996\,T^{23}\mathcal{A}_{\$[0]}^3 + 1008\,T^{24}\mathcal{A}_{\$[0]}^3 - 36\,T^{25}\mathcal{A}_{\$[0]}^3 + 36\,T^2\mathcal{A}_{\$[4]} - 558\,T^3\mathcal{A}_{\$[4]} + 4140\,T^4\mathcal{A}_{\$[4]} - \\
& 20\,565\,T^5\mathcal{A}_{\$[4]} + 81\,684\,T^6\mathcal{A}_{\$[4]} - 286\,470\,T^7\mathcal{A}_{\$[4]} + 903\,474\,T^8\mathcal{A}_{\$[4]} - 2\,489\,796\,T^9\mathcal{A}_{\$[4]} + 5\,815\,620\,T^{10}\mathcal{A}_{\$[4]} - \\
& 11\,321\,649\,T^{11}\mathcal{A}_{\$[4]} + 18\,239\,922\,T^{12}\mathcal{A}_{\$[4]} - 24\,228\,882\,T^{13}\mathcal{A}_{\$[4]} + 26\,417\,268\,T^{14}\mathcal{A}_{\$[4]} - 23\,457\,528\,T^{15}\mathcal{A}_{\$[4]} + \\
& 16\,746\,570\,T^{16}\mathcal{A}_{\$[4]} - 9\,427\,896\,T^{17}\mathcal{A}_{\$[4]} + 4\,070\,772\,T^{18}\mathcal{A}_{\$[4]} - 1\,295\,073\,T^{19}\mathcal{A}_{\$[4]} + 285\,642\,T^{20}\mathcal{A}_{\$[4]} - \\
& 39\,429\,T^{21}\mathcal{A}_{\$[4]} + 2772\,T^{22}\mathcal{A}_{\$[4]} - 54\,T^{23}\mathcal{A}_{\$[4]} + 36\,T\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 612\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 5004\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 25\,560\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 87\,732\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 197\,460\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 221\,085\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 274\,815\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 1\,943\,406\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 5\,019\,633\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 8\,416\,908\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 9\,719\,289\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 6\,899\,148\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 565\,758\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 5\,863\,401\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 8\,872\,731\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + \\
& 7\,767\,774\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 4\,664\,619\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 1\,982\,430\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 595\,053\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + \\
& 125\,388\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 18\,684\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 1944\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 108\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 468\,T^2\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 8064\,T^3\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 66\,204\,T^4\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 343\,998\,T^5\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 1\,262\,826\,T^6\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 3\,447\,279\,T^7\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + \\
& 7\,122\,834\,T^8\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 10\,949\,985\,T^9\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 11\,361\,186\,T^{10}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 4\,095\,801\,T^{11}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 11\,974\,662\,T^{12}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 31\,881\,402\,T^{13}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 46\,441\,890\,T^{14}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 48\,684\,924\,T^{15}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 39\,080\,646\,T^{16}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 24\,406\,272\,T^{17}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 11\,823\,552\,T^{18}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 4\,375\,188\,T^{19}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 1\,199\,322\,T^{20}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 229\,635\,T^{21}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 27\,198\,T^{22}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 1458\,T^{23}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 324\,T\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - \\
& 6696\,T^2\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 67\,140\,T^3\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 435\,348\,T^4\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 2\,050\,992\,T^5\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 7\,472\,808\,T^6\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 21\,872\,862\,T^7\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 52\,715\,016\,T^8\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 106\,336\,395\,T^9\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 181\,477\,233\,T^{10}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 263\,777\,841\,T^{11}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 327\,640\,032\,T^{12}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 347\,984\,127\,T^{13}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 315\,420\,867\,T^{14}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 242\,937\,801\,T^{15}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 157\,905\,855\,T^{16}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 85\,794\,642\,T^{17}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 38\,477\,088\,T^{18}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 14\,011\,722\,T^{19}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 4\,055\,103\,T^{20}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 906\,174\,T^{21}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 149\,994\,T^{22}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 17\,172\,T^{23}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 1188\,T^{24}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 36\,T^{25}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 36\,T^2\mathcal{A}_{\$[4]}^2 - 540\,T^2\mathcal{A}_{\$[4]}^2 + 3186\,T^3\mathcal{A}_{\$[4]}^2 - 5823\,T^4\mathcal{A}_{\$[4]}^2 - \\
& 40\,077\,T^5\mathcal{A}_{\$[4]}^2 + 368\,757\,T^6\mathcal{A}_{\$[4]}^2 - 1\,626\,102\,T^7\mathcal{A}_{\$[4]}^2 + 4\,906\,917\,T^8\mathcal{A}_{\$[4]}^2 - 11\,090\,025\,T^9\mathcal{A}_{\$[4]}^2 + 19\,375\,380\,T^{10}\mathcal{A}_{\$[4]}^2 - \\
& 26\,194\,644\,T^{11}\mathcal{A}_{\$[4]}^2 + 26\,437\,500\,T^{12}\mathcal{A}_{\$[4]}^2 - 17\,283\,627\,T^{13}\mathcal{A}_{\$[4]}^2 + 1\,582\,848\,T^{14}\mathcal{A}_{\$[4]}^2 + 13\,182\,300\,T^{15}\mathcal{A}_{\$[4]}^2 - \\
& 20\,306\,466\,T^{16}\mathcal{A}_{\$[4]}^2 + 18\,639\,846\,T^{17}\mathcal{A}_{\$[4]}^2 - 12\,218\,319\,T^{18}\mathcal{A}_{\$[4]}^2 + 5\,936\,085\,T^{19}\mathcal{A}_{\$[4]}^2 - 2\,128\,806\,T^{20}\mathcal{A}_{\$[4]}^2 + \\
& 546\,903\,T^{21}\mathcal{A}_{\$[4]}^2 - 94\,662\,T^{22}\mathcal{A}_{\$[4]}^2 + 9783\,T^{23}\mathcal{A}_{\$[4]}^2 - 450\,T^{24}\mathcal{A}_{\$[4]}^2 + 180\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 2988\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 22\,158\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 93\,510\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 220\,329\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 97\,506\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 1\,420\,668\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 6\,565\,014\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 17\,507\,250\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 33\,557\,202\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 48\,971\,853\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 54\,998\,856\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 46\,395\,342\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 26\,768\,664\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 6\,485\,004\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 5\,570\,730\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 8\,019\,144\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 5\,360\,922\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 2\,308\,869\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 665\,586\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 123\,471\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 13\,122\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 594\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 108\,T^2\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 + \\
& 2340\,T^3\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 - 23\,652\,T^4\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 + 147\,852\,T^5\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 - 639\,549\,T^6\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 + 2\,026\,737\,T^7\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 - \\
& 4\,837\,860\,T^8\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 + 8\,722\,611\,T^9\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 - 11\,463\,651\,T^{10}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 + 9\,396\,990\,T^{11}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^2 -
\end{aligned}$$

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$$\begin{aligned}
& 206\,109\,T^{12}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 13\,774\,212\,T^{13}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 25\,696\,197\,T^{14}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 29\,096\,181\,T^{15}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + \\
& 23\,242\,905\,T^{16}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 13\,260\,699\,T^{17}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 5\,081\,337\,T^{18}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 1\,011\,753\,T^{19}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - \\
& 102\,366\,T^{20}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 132\,714\,T^{21}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 38\,340\,T^{22}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 5\,049\,T^{23}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 252\,T^{24}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + \\
& 324\,T^2\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 6\,480\,T^3\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 62\,460\,T^4\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 386\,928\,T^5\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 1\,731\,996\,T^6\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - \\
& 5\,965\,200\,T^7\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 16\,418\,223\,T^8\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 36\,996\,030\,T^9\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 69\,329\,169\,T^{10}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - \\
& 109\,114\,470\,T^{11}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 145\,024\,443\,T^{12}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 163\,098\,648\,T^{13}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 155\,031\,912\,T^{14}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - \\
& 124\,045\,110\,T^{15}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 82\,950\,030\,T^{16}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 45\,862\,326\,T^{17}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 20\,636\,748\,T^{18}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - \\
& 7\,377\,696\,T^{19}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 2\,014\,380\,T^{20}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 390\,492\,T^{21}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 45\,171\,T^{22}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - \\
& 1116\,T^{23}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 396\,T^{24}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 + 36\,T^{25}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^2 - 108\,T^3\mathcal{A}_{\S[4]}^3 + 2052\,T^2\mathcal{A}_{\S[4]}^3 - 18\,220\,T^3\mathcal{A}_{\S[4]}^3 + \\
& 100\,222\,T^4\mathcal{A}_{\S[4]}^3 - 379\,875\,T^5\mathcal{A}_{\S[4]}^3 + 1\,034\,002\,T^6\mathcal{A}_{\S[4]}^3 - 1\,995\,549\,T^7\mathcal{A}_{\S[4]}^3 + 2\,371\,236\,T^8\mathcal{A}_{\S[4]}^3 - 54\,060\,T^9\mathcal{A}_{\S[4]}^3 - \\
& 7\,518\,884\,T^{10}\mathcal{A}_{\S[4]}^3 + 21\,128\,157\,T^{11}\mathcal{A}_{\S[4]}^3 - 37\,565\,612\,T^{12}\mathcal{A}_{\S[4]}^3 + 50\,123\,941\,T^{13}\mathcal{A}_{\S[4]}^3 - 52\,614\,540\,T^{14}\mathcal{A}_{\S[4]}^3 + \\
& 43\,947\,992\,T^{15}\mathcal{A}_{\S[4]}^3 - 28\,954\,046\,T^{16}\mathcal{A}_{\S[4]}^3 + 14\,572\,266\,T^{17}\mathcal{A}_{\S[4]}^3 - 5\,151\,664\,T^{18}\mathcal{A}_{\S[4]}^3 + 918\,653\,T^{19}\mathcal{A}_{\S[4]}^3 + \\
& 205\,518\,T^{20}\mathcal{A}_{\S[4]}^3 - 217\,036\,T^{21}\mathcal{A}_{\S[4]}^3 + 80\,962\,T^{22}\mathcal{A}_{\S[4]}^3 - 17\,409\,T^{23}\mathcal{A}_{\S[4]}^3 + 2114\,T^{24}\mathcal{A}_{\S[4]}^3 - 112\,T^{25}\mathcal{A}_{\S[4]}^3 - \\
& 216\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 4212\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 38\,088\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 212\,670\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 820\,800\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + \\
& 2\,308\,275\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 4\,801\,941\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 7\,149\,645\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 6\,333\,894\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - \\
& 1\,260\,036\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 16\,519\,392\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 34\,895\,088\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 47\,954\,295\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - \\
& 49\,191\,885\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 39\,031\,587\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 24\,017\,913\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 11\,246\,922\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - \\
& 3\,816\,360\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 821\,052\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 49\,158\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 33\,003\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 12\,042\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - \\
& 1818\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 + 108\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]}^3 - 108\,T^3\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 2412\,T^4\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 23\,760\,T^5\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + \\
& 140\,220\,T^6\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 562\,311\,T^7\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 1\,633\,860\,T^8\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 3\,544\,056\,T^9\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + \\
& 5\,734\,962\,T^{10}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 6\,568\,956\,T^{11}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 4\,117\,140\,T^{12}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 2\,001\,897\,T^{13}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - \\
& 9\,435\,150\,T^{14}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 14\,334\,930\,T^{15}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 14\,355\,432\,T^{16}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 10\,442\,574\,T^{17}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - \\
& 5\,583\,762\,T^{18}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 2\,126\,844\,T^{19}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 520\,056\,T^{20}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 48\,969\,T^{21}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + \\
& 15\,750\,T^{22}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 7047\,T^{23}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 1152\,T^{24}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 - 72\,T^{25}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^2 + 108\,T^3\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - \\
& 2088\,T^4\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 19\,332\,T^5\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 114\,520\,T^6\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 487\,780\,T^7\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 1\,588\,404\,T^8\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + \\
& 4\,101\,225\,T^9\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 8\,590\,157\,T^{10}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 14\,805\,102\,T^{11}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 21\,167\,595\,T^{12}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + \\
& 25\,189\,304\,T^{13}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 24\,926\,559\,T^{14}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 20\,412\,208\,T^{15}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 13\,709\,094\,T^{16}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + \\
& 7\,450\,293\,T^{17}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 3\,213\,375\,T^{18}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 1\,068\,454\,T^{19}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 261\,423\,T^{20}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + \\
& 43\,562\,T^{21}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 4449\,T^{22}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 336\,T^{23}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 44\,T^{24}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 4\,T^{25}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 \Big) \Big) / \\
& \left(36 \left(1 - 4\,T + 6\,T^2 - 5\,T^3 + T^4 \right) \left(1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4 \right)^6 \mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 \right)
\end{aligned}$$

» With LeafCount==4971, nE is

$$\begin{aligned}
& \frac{1}{9 \left(1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4 \right)^7 \mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3} \mathcal{H}^5 \left(-28\,T^3 + 471\,T^4 - 3898\,T^5 + 21\,014\,T^6 - 82\,309\,T^7 + 247\,828\,T^8 - 593\,027\,T^9 + \right. \\
& 1\,151\,347\,T^{10} - 1\,836\,856\,T^{11} + 2\,425\,173\,T^{12} - 2\,655\,916\,T^{13} + 2\,407\,049\,T^{14} - 1\,792\,057\,T^{15} + 1\,081\,376\,T^{16} - 517\,694\,T^{17} + \\
& 190\,404\,T^{18} - 51\,341\,T^{19} + 9\,472\,T^{20} - 1063\,T^{21} + 55\,T^{22} - 36\,T^2\mathcal{A}_{\S[0]} + 648\,T^3\mathcal{A}_{\S[0]} - 5661\,T^4\mathcal{A}_{\S[0]} + 31\,941\,T^5\mathcal{A}_{\S[0]} - \\
& 130\,599\,T^6\mathcal{A}_{\S[0]} + 411\,210\,T^7\mathcal{A}_{\S[0]} - 1\,033\,362\,T^8\mathcal{A}_{\S[0]} + 2\,118\,195\,T^9\mathcal{A}_{\S[0]} - 3\,587\,031\,T^{10}\mathcal{A}_{\S[0]} + 5\,048\,595\,T^{11}\mathcal{A}_{\S[0]} - \\
& 5\,907\,645\,T^{12}\mathcal{A}_{\S[0]} + 5\,717\,007\,T^{13}\mathcal{A}_{\S[0]} - 4\,520\,169\,T^{14}\mathcal{A}_{\S[0]} + 2\,854\,557\,T^{15}\mathcal{A}_{\S[0]} - 1\,379\,403\,T^{16}\mathcal{A}_{\S[0]} + 463\,113\,T^{17}\mathcal{A}_{\S[0]} - \\
& 75\,420\,T^{18}\mathcal{A}_{\S[0]} - 16\,641\,T^{19}\mathcal{A}_{\S[0]} + 14\,211\,T^{20}\mathcal{A}_{\S[0]} - 4059\,T^{21}\mathcal{A}_{\S[0]} + 585\,T^{22}\mathcal{A}_{\S[0]} - 36\,T^{23}\mathcal{A}_{\S[0]} - 45\,T^2\mathcal{A}_{\S[0]}^2 + \\
& 873\,T^2\mathcal{A}_{\S[0]}^2 - 8253\,T^3\mathcal{A}_{\S[0]}^2 + 50\,634\,T^4\mathcal{A}_{\S[0]}^2 - 226\,413\,T^5\mathcal{A}_{\S[0]}^2 + 785\,070\,T^6\mathcal{A}_{\S[0]}^2 - 2\,191\,185\,T^7\mathcal{A}_{\S[0]}^2 + 5\,041\,287\,T^8\mathcal{A}_{\S[0]}^2 - \\
& 9\,709\,038\,T^9\mathcal{A}_{\S[0]}^2 + 15\,804\,504\,T^{10}\mathcal{A}_{\S[0]}^2 - 21\,862\,728\,T^{11}\mathcal{A}_{\S[0]}^2 + 25\,751\,376\,T^{12}\mathcal{A}_{\S[0]}^2 - 25\,800\,309\,T^{13}\mathcal{A}_{\S[0]}^2 + \\
& 21\,904\,290\,T^{14}\mathcal{A}_{\S[0]}^2 - 15\,655\,842\,T^{15}\mathcal{A}_{\S[0]}^2 + 9\,332\,280\,T^{16}\mathcal{A}_{\S[0]}^2 - 4\,581\,450\,T^{17}\mathcal{A}_{\S[0]}^2 + 1\,822\,365\,T^{18}\mathcal{A}_{\S[0]}^2 - 575\,091\,T^{19}\mathcal{A}_{\S[0]}^2 + \\
& 139\,977\,T^{20}\mathcal{A}_{\S[0]}^2 - 25\,218\,T^{21}\mathcal{A}_{\S[0]}^2 + 3150\,T^{22}\mathcal{A}_{\S[0]}^2 - 243\,T^{23}\mathcal{A}_{\S[0]}^2 + 9\,T^{24}\mathcal{A}_{\S[0]}^2 - 27\,\mathcal{A}_{\S[0]}^3 + 567\,T\mathcal{A}_{\S[0]}^3 - 5823\,T^2\mathcal{A}_{\S[0]}^3 + \\
& 38\,934\,T^3\mathcal{A}_{\S[0]}^3 - 190\,332\,T^4\mathcal{A}_{\S[0]}^3 + 724\,086\,T^5\mathcal{A}_{\S[0]}^3 - 2\,227\,123\,T^6\mathcal{A}_{\S[0]}^3 + 5\,678\,211\,T^7\mathcal{A}_{\S[0]}^3 - 12\,203\,380\,T^8\mathcal{A}_{\S[0]}^3 + \\
& 22\,358\,041\,T^9\mathcal{A}_{\S[0]}^3 - 35\,172\,082\,T^{10}\mathcal{A}_{\S[0]}^3 + 47\,700\,021\,T^{11}\mathcal{A}_{\S[0]}^3 - 55\,844\,470\,T^{12}\mathcal{A}_{\S[0]}^3 + 56\,380\,359\,T^{13}\mathcal{A}_{\S[0]}^3 - \\
& 48\,924\,070\,T^{14}\mathcal{A}_{\S[0]}^3 + 36\,287\,528\,T^{15}\mathcal{A}_{\S[0]}^3 - 22\,827\,361\,T^{16}\mathcal{A}_{\S[0]}^3 + 12\,058\,030\,T^{17}\mathcal{A}_{\S[0]}^3 - 5\,283\,854\,T^{18}\mathcal{A}_{\S[0]}^3 + \\
& 1\,893\,847\,T^{19}\mathcal{A}_{\S[0]}^3 - 546\,232\,T^{20}\mathcal{A}_{\S[0]}^3 + 124\,246\,T^{21}\mathcal{A}_{\S[0]}^3 - 21\,637\,T^{22}\mathcal{A}_{\S[0]}^3 + 2736\,T^{23}\mathcal{A}_{\S[0]}^3 - 225\,T^{24}\mathcal{A}_{\S[0]}^3 + 9\,T^{25}\mathcal{A}_{\S[0]}^3 - \\
& 36\,T^2\mathcal{A}_{\S[4]} + 603\,T^3\mathcal{A}_{\S[4]} - 4842\,T^4\mathcal{A}_{\S[4]} + 24\,876\,T^5\mathcal{A}_{\S[4]} - 91\,782\,T^6\mathcal{A}_{\S[4]} + 258\,030\,T^7\mathcal{A}_{\S[4]} - 570\,978\,T^8\mathcal{A}_{\S[4]} + \\
& 1\,010\,430\,T^9\mathcal{A}_{\S[4]} - 1\,432\,278\,T^{10}\mathcal{A}_{\S[4]} + 1\,598\,598\,T^{11}\mathcal{A}_{\S[4]} - 1\,327\,662\,T^{12}\mathcal{A}_{\S[4]} + 665\,847\,T^{13}\mathcal{A}_{\S[4]} + 95\,076\,T^{14}\mathcal{A}_{\S[4]} - \\
& 613\,080\,T^{15}\mathcal{A}_{\S[4]} + 736\,128\,T^{16}\mathcal{A}_{\S[4]} - 565\,254\,T^{17}\mathcal{A}_{\S[4]} + 312\,543\,T^{18}\mathcal{A}_{\S[4]} - 126\,387\,T^{19}\mathcal{A}_{\S[4]} + 36\,477\,T^{20}\mathcal{A}_{\S[4]} - \\
& 7101\,T^{21}\mathcal{A}_{\S[4]} + 837\,T^{22}\mathcal{A}_{\S[4]} - 45\,T^{23}\mathcal{A}_{\S[4]} - 9\,T\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]} + 207\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]} - 2250\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]} + 15\,327\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[4]} -
\end{aligned}$$

$$\begin{aligned}
& 73\,611\,T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 266\,013\,T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 752\,040\,T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 1\,701\,468\,T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 3\,115\,413\,T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + \\
& 4\,621\,419\,T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 5\,490\,324\,T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 5\,046\,453\,T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 3\,248\,163\,T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + \\
& 878\,895\,T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 963\,756\,T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 1\,664\,109\,T^{16} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 1\,407\,789\,T^{17} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - \\
& 804\,132\,T^{18} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 324\,369\,T^{19} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 90\,045\,T^{20} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 15\,759\,T^{21} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - 1\,350\,T^{22} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} - \\
& 18\,T^{23} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 9\,T^{24} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]} + 54\,T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 1\,143\,T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 11\,628\,T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 75\,762\,T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + \\
& 355\,446\,T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 1\,279\,467\,T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 3\,673\,944\,T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 8\,631\,045\,T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 16\,867\,512\,T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - \\
& 27\,719\,199\,T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 38\,559\,996\,T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 45\,573\,930\,T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 45\,843\,525\,T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - \\
& 39\,288\,591\,T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 28\,740\,672\,T^{15} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 18\,025\,731\,T^{16} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 9\,765\,117\,T^{17} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - \\
& 4\,600\,125\,T^{18} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 1\,877\,508\,T^{19} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 647\,613\,T^{20} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 179\,802\,T^{21} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - \\
& 37\,557\,T^{22} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 5409\,T^{23} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 468\,T^{24} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 18\,T^{25} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 81\,T^2 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 1\,683\,T^2 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - \\
& 16\,884\,T^3 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 109\,179\,T^4 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 511\,902\,T^5 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 1\,854\,081\,T^6 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 5\,391\,936\,T^7 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + \\
& 12\,909\,465\,T^8 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 25\,870\,662\,T^9 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 43\,863\,660\,T^{10} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 63\,326\,574\,T^{11} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + \\
& 78\,079\,041\,T^{12} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 82\,213\,434\,T^{13} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 73\,726\,605\,T^{14} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 56\,010\,240\,T^{15} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + \\
& 35\,765\,712\,T^{16} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 18\,999\,882\,T^{17} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 8\,290\,926\,T^{18} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 2\,926\,917\,T^{19} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + \\
& 820\,665\,T^{20} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 178\,515\,T^{21} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 29\,160\,T^{22} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 3\,393\,T^{23} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 252\,T^{24} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - \\
& 9\,T^{25} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 9\,T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 189\,T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 1\,791\,T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 10\,422\,T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 42\,309\,T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 127\,872\,T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - \\
& 296\,802\,T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 531\,342\,T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 710\,910\,T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 623\,457\,T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 105\,192\,T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 761\,301\,T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + \\
& 1\,595\,520\,T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 1\,948\,266\,T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 1\,655\,208\,T^{15} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 966\,294\,T^{16} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 309\,960\,T^{17} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 50\,382\,T^{18} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - \\
& 130\,851\,T^{19} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 85\,365\,T^{20} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 32\,841\,T^{21} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 7857\,T^{22} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 1071\,T^{23} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} + 63\,T^{24} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]} - 117\,T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 2169\,T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 18\,765\,T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 101\,565\,T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 387\,990\,T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1\,114\,470\,T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
& 2\,491\,119\,T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 4\,398\,345\,T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 6\,116\,472\,T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 6\,507\,558\,T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
& 4\,806\,369\,T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1\,457\,370\,T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1\,932\,255\,T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 3\,735\,198\,T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 3\,529\,134\,T^{16} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 2\,188\,800\,T^{17} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 886\,554\,T^{18} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 181\,719\,T^{19} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 25\,902\,T^{20} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 31\,824\,T^{21} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 10\,287\,T^{22} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1\,593\,T^{23} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 99\,T^{24} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 72\,T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1\,485\,T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 14\,913\,T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 97\,038\,T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 458\,424\,T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1\,668\,996\,T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 4\,854\,024\,T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 11\,543\,013\,T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 22\,792\,383\,T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 37\,737\,369\,T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 52\,684\,227\,T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 62\,154\,936\,T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 61\,939\,089\,T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 52\,019\,577\,T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 36\,721\,890\,T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 21\,775\,986\,T^{16} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 10\,899\,351\,T^{17} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 4\,658\,760\,T^{18} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 1\,720\,170\,T^{19} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 543\,501\,T^{20} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 139\,419\,T^{21} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 26\,199\,T^{22} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 3060\,T^{23} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 162\,T^{24} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
& 135\,T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 2\,655\,T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 25\,137\,T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 152\,847\,T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 671\,373\,T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 2\,269\,170\,T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 6\,131\,331\,T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 13\,570\,776\,T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 24\,992\,307\,T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 38\,663\,172\,T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 50\,486\,688\,T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 55\,695\,636\,T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 51\,760\,548\,T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 40\,254\,696\,T^{15} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 25\,910\,496\,T^{16} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 13\,573\,053\,T^{17} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 5\,637\,942\,T^{18} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 1\,775\,367\,T^{19} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 384\,399\,T^{20} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 39\,861\,T^{21} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 5\,571\,T^{22} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 2\,871\,T^{23} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 450\,T^{24} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 27\,T^{25} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 27\,T^2 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 522\,T^2 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 4\,690\,T^3 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 26\,139\,T^4 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 101\,359\,T^5 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - \\
& 288\,693\,T^6 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 613\,735\,T^7 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 942\,233\,T^8 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 864\,052\,T^9 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 217\,684\,T^{10} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 2\,673\,022\,T^{11} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + \\
& 6\,126\,214\,T^{12} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 9\,352\,150\,T^{13} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 10\,905\,210\,T^{14} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 10\,100\,267\,T^{15} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 7\,493\,664\,T^{16} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - \\
& 4\,413\,551\,T^{17} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 2\,006\,915\,T^{18} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 660\,794\,T^{19} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 130\,230\,T^{20} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 523\,T^{21} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 9\,582\,T^{22} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + \\
& 3082\,T^{23} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 460\,T^{24} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 28\,T^{25} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 54\,T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 1170\,T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 11\,358\,T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - \\
& 67\,014\,T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 272\,790\,T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 818\,892\,T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 1\,877\,445\,T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 3\,323\,547\,T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + \\
& 4\,458\,609\,T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 4\,149\,072\,T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 1\,601\,685\,T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 2\,713\,077\,T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - \\
& 6\,972\,363\,T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 9\,149\,283\,T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 8\,495\,982\,T^{16} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 5\,955\,030\,T^{17} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - \\
& 3\,179\,079\,T^{18} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 1\,266\,273\,T^{19} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 354\,672\,T^{20} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 58\,815\,T^{21} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 1089\,T^{22} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - \\
& 1908\,T^{23} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 396\,T^{24} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 27\,T^{25} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 72\,T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 1\,395\,T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 13\,194\,T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + \\
& 80\,676\,T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 356\,049\,T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 1\,201\,707\,T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 3\,212\,874\,T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 6\,960\,447\,T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 12\,393\,369\,T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 18\,274\,968\,T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 22\,360\,635\,T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 22\,619\,790\,T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 18\,726\,660\,T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 12\,447\,927\,T^{15} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 6\,420\,195\,T^{16} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 2\,399\,931\,T^{17} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 536\,526\,T^{18} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 2\,718\,T^{19} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 51\,732\,T^{20} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 19\,656\,T^{21} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 3\,699\,T^{22} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 333\,T^{23} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 9\,T^{24} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 81\,T^3 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 1\,512\,T^4 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 13\,500\,T^5 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 77\,095\,T^6 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - \\
& 316\,866\,T^7 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 997\,948\,T^8 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 2\,500\,271\,T^9 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} + 5\,101\,528\,T^{10} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} - 8\,600\,557\,T^{11} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]} +
\end{aligned}$$

$$\begin{aligned}
& 12\,075\,650\,T^{12}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 14\,158\,201\,T^{13}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 13\,831\,813\,T^{14}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 11\,177\,934\,T^{15}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + \\
& 7\,371\,610\,T^{16}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 3\,877\,460\,T^{17}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 1\,561\,612\,T^{18}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 440\,072\,T^{19}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 62\,123\,T^{20}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + \\
& 10\,494\,T^{21}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 8\,356\,T^{22}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 2\,192\,T^{23}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 - 296\,T^{24}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3 + 17\,T^{25}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^3)
\end{aligned}$$

» With LeafCount==7591, nC is

$$\begin{aligned}
& - \left(\hbar^5 \left(-40\,T^3 + 891\,T^4 - 9610\,T^5 + 66\,842\,T^6 - 335\,830\,T^7 + 1\,288\,513\,T^8 - 3\,867\,589\,T^9 + 9\,033\,409\,T^{10} - 15\,418\,893\,T^{11} + \right. \right. \\
& 13\,707\,993\,T^{12} + 21\,787\,011\,T^{13} - 139\,490\,742\,T^{14} + 405\,573\,889\,T^{15} - 879\,470\,541\,T^{16} + 1\,572\,882\,949\,T^{17} - \\
& 2\,412\,359\,703\,T^{18} + 3\,234\,849\,298\,T^{19} - 3\,833\,565\,272\,T^{20} + 4\,040\,030\,010\,T^{21} - 3\,799\,104\,329\,T^{22} + 3\,192\,470\,293\,T^{23} - \\
& 2\,397\,124\,609\,T^{24} + 1\,606\,054\,003\,T^{25} - 957\,550\,206\,T^{26} + 505\,973\,553\,T^{27} - 235\,621\,518\,T^{28} + 95\,973\,897\,T^{29} - \\
& 33\,853\,559\,T^{30} + 10\,203\,990\,T^{31} - 2\,580\,677\,T^{32} + 533\,689\,T^{33} - 86\,828\,T^{34} + 10\,436\,T^{35} - 824\,T^{36} + 32\,T^{37} + 54\,T^3\mathcal{A}_{\S[0]} - \\
& 1170\,T^4\mathcal{A}_{\S[0]} + 12\,267\,T^5\mathcal{A}_{\S[0]} - 81\,891\,T^6\mathcal{A}_{\S[0]} + 384\,516\,T^7\mathcal{A}_{\S[0]} - 1\,309\,599\,T^8\mathcal{A}_{\S[0]} + 3\,102\,543\,T^9\mathcal{A}_{\S[0]} - \\
& 3\,705\,264\,T^{10}\mathcal{A}_{\S[0]} - 7\,486\,830\,T^{11}\mathcal{A}_{\S[0]} + 61\,422\,444\,T^{12}\mathcal{A}_{\S[0]} - 223\,368\,606\,T^{13}\mathcal{A}_{\S[0]} + 597\,234\,978\,T^{14}\mathcal{A}_{\S[0]} - \\
& 1\,302\,984\,981\,T^{15}\mathcal{A}_{\S[0]} + 2\,418\,088\,869\,T^{16}\mathcal{A}_{\S[0]} - 3\,899\,802\,060\,T^{17}\mathcal{A}_{\S[0]} + 5\,534\,452\,737\,T^{18}\mathcal{A}_{\S[0]} - \\
& 6\,964\,788\,798\,T^{19}\mathcal{A}_{\S[0]} + 7\,808\,813\,361\,T^{20}\mathcal{A}_{\S[0]} - 7\,820\,635\,698\,T^{21}\mathcal{A}_{\S[0]} + 7\,003\,468\,143\,T^{22}\mathcal{A}_{\S[0]} - \\
& 5\,605\,778\,619\,T^{23}\mathcal{A}_{\S[0]} + 4\,003\,999\,938\,T^{24}\mathcal{A}_{\S[0]} - 2\,544\,556\,104\,T^{25}\mathcal{A}_{\S[0]} + 1\,432\,534\,266\,T^{26}\mathcal{A}_{\S[0]} - \\
& 710\,195\,391\,T^{27}\mathcal{A}_{\S[0]} + 307\,579\,527\,T^{28}\mathcal{A}_{\S[0]} - 115\,140\,591\,T^{29}\mathcal{A}_{\S[0]} + 36\,729\,720\,T^{30}\mathcal{A}_{\S[0]} - 9\,793\,080\,T^{31}\mathcal{A}_{\S[0]} + \\
& 2\,123\,910\,T^{32}\mathcal{A}_{\S[0]} - 359\,991\,T^{33}\mathcal{A}_{\S[0]} + 44\,739\,T^{34}\mathcal{A}_{\S[0]} - 3627\,T^{35}\mathcal{A}_{\S[0]} + 144\,T^{36}\mathcal{A}_{\S[0]} - 36\,T^2\mathcal{A}_{\S[0]}^2 + 648\,T^2\mathcal{A}_{\S[0]}^2 - \\
& 5562\,T^3\mathcal{A}_{\S[0]}^2 + 29\,313\,T^4\mathcal{A}_{\S[0]}^2 - 99\,648\,T^5\mathcal{A}_{\S[0]}^2 + 183\,114\,T^6\mathcal{A}_{\S[0]}^2 + 182\,142\,T^7\mathcal{A}_{\S[0]}^2 - 2\,948\,463\,T^8\mathcal{A}_{\S[0]}^2 + \\
& 13\,753\,269\,T^9\mathcal{A}_{\S[0]}^2 - 45\,279\,873\,T^{10}\mathcal{A}_{\S[0]}^2 + 120\,805\,947\,T^{11}\mathcal{A}_{\S[0]}^2 - 275\,506\,353\,T^{12}\mathcal{A}_{\S[0]}^2 + 551\,820\,609\,T^{13}\mathcal{A}_{\S[0]}^2 - \\
& 985\,412\,178\,T^{14}\mathcal{A}_{\S[0]}^2 + 1\,581\,710\,661\,T^{15}\mathcal{A}_{\S[0]}^2 - 2\,290\,528\,953\,T^{16}\mathcal{A}_{\S[0]}^2 + 2\,994\,625\,971\,T^{17}\mathcal{A}_{\S[0]}^2 - \\
& 3\,529\,286\,253\,T^{18}\mathcal{A}_{\S[0]}^2 + 3\,736\,758\,762\,T^{19}\mathcal{A}_{\S[0]}^2 - 3\,535\,192\,098\,T^{20}\mathcal{A}_{\S[0]}^2 + 2\,963\,820\,168\,T^{21}\mathcal{A}_{\S[0]}^2 - \\
& 2\,173\,241\,997\,T^{22}\mathcal{A}_{\S[0]}^2 + 1\,362\,040\,839\,T^{23}\mathcal{A}_{\S[0]}^2 - 695\,696\,103\,T^{24}\mathcal{A}_{\S[0]}^2 + 253\,122\,795\,T^{25}\mathcal{A}_{\S[0]}^2 - 23\,691\,312\,T^{26}\mathcal{A}_{\S[0]}^2 - \\
& 56\,589\,741\,T^{27}\mathcal{A}_{\S[0]}^2 + 60\,171\,642\,T^{28}\mathcal{A}_{\S[0]}^2 - 39\,255\,165\,T^{29}\mathcal{A}_{\S[0]}^2 + 19\,497\,951\,T^{30}\mathcal{A}_{\S[0]}^2 - 7\,747\,308\,T^{31}\mathcal{A}_{\S[0]}^2 + \\
& 2\,481\,507\,T^{32}\mathcal{A}_{\S[0]}^2 - 632\,223\,T^{33}\mathcal{A}_{\S[0]}^2 + 124\,020\,T^{34}\mathcal{A}_{\S[0]}^2 - 17\,640\,T^{35}\mathcal{A}_{\S[0]}^2 + 1620\,T^{36}\mathcal{A}_{\S[0]}^2 - 72\,T^{37}\mathcal{A}_{\S[0]}^2 + \\
& 108\,T^2\mathcal{A}_{\S[0]}^3 - 2052\,T^2\mathcal{A}_{\S[0]}^3 + 19\,336\,T^3\mathcal{A}_{\S[0]}^3 - 120\,222\,T^4\mathcal{A}_{\S[0]}^3 + 553\,975\,T^5\mathcal{A}_{\S[0]}^3 - 2\,017\,097\,T^6\mathcal{A}_{\S[0]}^3 + \\
& 6\,050\,920\,T^7\mathcal{A}_{\S[0]}^3 - 15\,422\,995\,T^8\mathcal{A}_{\S[0]}^3 + 34\,268\,941\,T^9\mathcal{A}_{\S[0]}^3 - 67\,949\,200\,T^{10}\mathcal{A}_{\S[0]}^3 + 122\,922\,588\,T^{11}\mathcal{A}_{\S[0]}^3 - \\
& 206\,920\,560\,T^{12}\mathcal{A}_{\S[0]}^3 + 328\,850\,190\,T^{13}\mathcal{A}_{\S[0]}^3 - 496\,723\,470\,T^{14}\mathcal{A}_{\S[0]}^3 + 712\,160\,483\,T^{15}\mathcal{A}_{\S[0]}^3 - 962\,671\,599\,T^{16}\mathcal{A}_{\S[0]}^3 + \\
& 1\,216\,493\,972\,T^{17}\mathcal{A}_{\S[0]}^3 - 1\,425\,749\,769\,T^{18}\mathcal{A}_{\S[0]}^3 + 1\,539\,914\,978\,T^{19}\mathcal{A}_{\S[0]}^3 - 1\,524\,896\,839\,T^{20}\mathcal{A}_{\S[0]}^3 + \\
& 1\,378\,226\,472\,T^{21}\mathcal{A}_{\S[0]}^3 - 1\,131\,829\,945\,T^{22}\mathcal{A}_{\S[0]}^3 + 840\,332\,579\,T^{23}\mathcal{A}_{\S[0]}^3 - 560\,790\,254\,T^{24}\mathcal{A}_{\S[0]}^3 + 334\,074\,314\,T^{25}\mathcal{A}_{\S[0]}^3 - \\
& 176\,223\,192\,T^{26}\mathcal{A}_{\S[0]}^3 + 81\,535\,827\,T^{27}\mathcal{A}_{\S[0]}^3 - 32\,730\,951\,T^{28}\mathcal{A}_{\S[0]}^3 + 11\,262\,435\,T^{29}\mathcal{A}_{\S[0]}^3 - 3\,282\,016\,T^{30}\mathcal{A}_{\S[0]}^3 + \\
& 803\,550\,T^{31}\mathcal{A}_{\S[0]}^3 - 166\,204\,T^{32}\mathcal{A}_{\S[0]}^3 + 29\,981\,T^{33}\mathcal{A}_{\S[0]}^3 - 4927\,T^{34}\mathcal{A}_{\S[0]}^3 + 715\,T^{35}\mathcal{A}_{\S[0]}^3 - 76\,T^{36}\mathcal{A}_{\S[0]}^3 + 4\,T^{37}\mathcal{A}_{\S[0]}^3 + \\
& 54\,T^2\mathcal{A}_{\S[11]} - 1170\,T^3\mathcal{A}_{\S[11]} + 12\,087\,T^4\mathcal{A}_{\S[11]} - 78\,795\,T^5\mathcal{A}_{\S[11]} + 358\,380\,T^6\mathcal{A}_{\S[11]} - 1\,165\,707\,T^7\mathcal{A}_{\S[11]} + \\
& 2\,523\,303\,T^8\mathcal{A}_{\S[11]} - 1\,894\,320\,T^9\mathcal{A}_{\S[11]} - 12\,041\,226\,T^{10}\mathcal{A}_{\S[11]} + 70\,828\,272\,T^{11}\mathcal{A}_{\S[11]} - 239\,487\,714\,T^{12}\mathcal{A}_{\S[11]} + \\
& 620\,175\,438\,T^{13}\mathcal{A}_{\S[11]} - 1\,329\,755\,157\,T^{14}\mathcal{A}_{\S[11]} + 2\,442\,656\,637\,T^{15}\mathcal{A}_{\S[11]} - 3\,915\,155\,880\,T^{16}\mathcal{A}_{\S[11]} + \\
& 5\,535\,783\,405\,T^{17}\mathcal{A}_{\S[11]} - 6\,951\,844\,746\,T^{18}\mathcal{A}_{\S[11]} + 7\,785\,908\,361\,T^{19}\mathcal{A}_{\S[11]} - 7\,794\,409\,590\,T^{20}\mathcal{A}_{\S[11]} + \\
& 6\,979\,928\,319\,T^{21}\mathcal{A}_{\S[11]} - 5\,588\,310\,771\,T^{22}\mathcal{A}_{\S[11]} + 3\,993\,088\,230\,T^{23}\mathcal{A}_{\S[11]} - 2\,538\,798\,012\,T^{24}\mathcal{A}_{\S[11]} + \\
& 1\,429\,980\,714\,T^{25}\mathcal{A}_{\S[11]} - 709\,255\,575\,T^{26}\mathcal{A}_{\S[11]} + 307\,298\,511\,T^{27}\mathcal{A}_{\S[11]} - 115\,074\,675\,T^{28}\mathcal{A}_{\S[11]} + 36\,718\,308\,T^{29}\mathcal{A}_{\S[11]} - \\
& 9\,791\,784\,T^{30}\mathcal{A}_{\S[11]} + 2\,123\,838\,T^{31}\mathcal{A}_{\S[11]} - 359\,991\,T^{32}\mathcal{A}_{\S[11]} + 44\,739\,T^{33}\mathcal{A}_{\S[11]} - 3627\,T^{34}\mathcal{A}_{\S[11]} + 144\,T^{35}\mathcal{A}_{\S[11]} + \\
& 72\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 1152\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 5283\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 25\,452\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 508\,563\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + \\
& 3\,789\,990\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 18\,930\,879\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 72\,266\,067\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 223\,501\,869\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + \\
& 578\,861\,946\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 1\,282\,246\,722\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 2\,464\,157\,430\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 4\,149\,161\,100\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + \\
& 6\,162\,969\,033\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 8\,110\,508\,670\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 9\,478\,234\,143\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - \\
& 9\,839\,517\,390\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 9\,058\,054\,338\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 7\,363\,238\,796\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + \\
& 5\,244\,448\,797\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 3\,228\,628\,626\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 1\,675\,322\,325\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 694\,118\,286\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + \\
& 195\,168\,870\,T^{26}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 4\,494\,240\,T^{27}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 36\,659\,313\,T^{28}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 27\,914\,571\,T^{29}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - \\
& 13\,425\,723\,T^{30}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 4\,803\,669\,T^{31}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 1\,315\,440\,T^{32}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 271\,287\,T^{33}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - \\
& 39\,996\,T^{34}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 3771\,T^{35}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} - 171\,T^{36}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]} + 108\,T^2\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 2610\,T^2\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + \\
& 30\,636\,T^3\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 230\,733\,T^4\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 1\,257\,597\,T^5\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 5\,322\,060\,T^6\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + \\
& 18\,322\,299\,T^7\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 53\,045\,055\,T^8\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 132\,360\,498\,T^9\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 289\,954\,044\,T^{10}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + \\
& 565\,113\,762\,T^{11}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 988\,265\,340\,T^{12}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 1\,556\,702\,478\,T^{13}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 2\,207\,006\,667\,T^{14}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + \\
& 2\,800\,936\,467\,T^{15}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 3\,146\,916\,546\,T^{16}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 3\,067\,186\,671\,T^{17}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - \\
& 2\,489\,063\,094\,T^{18}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 1\,507\,947\,129\,T^{19}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 371\,580\,462\,T^{20}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 619\,490\,583\,T^{21}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} +
\end{aligned}$$

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$$\begin{aligned}
& 1\,241\,566\,515\,T^{22}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 1\,430\,966\,232\,T^{23}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 1\,277\,984\,682\,T^{24}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 950\,437\,386\,T^{25}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + \\
& 604\,485\,387\,T^{26}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 332\,224\,857\,T^{27}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 158\,127\,435\,T^{28}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 64\,943\,082\,T^{29}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + \\
& 22\,803\,624\,T^{30}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 6\,737\,220\,T^{31}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 1\,632\,735\,T^{32}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 311\,769\,T^{33}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + \\
& 43\,893\,T^{34}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 4032\,T^{35}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} + 180\,T^{36}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]} - 36\,\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 396\,T\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - \\
& 468\,T^2\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 21\,546\,T^3\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 233\,514\,T^4\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 1\,421\,325\,T^5\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 6\,213\,924\,T^6\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - \\
& 21\,286\,701\,T^7\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 59\,790\,042\,T^8\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 141\,674\,211\,T^9\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 288\,980\,667\,T^{10}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - \\
& 515\,623\,905\,T^{11}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 816\,503\,184\,T^{12}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 1\,164\,630\,222\,T^{13}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 1\,521\,770\,274\,T^{14}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - \\
& 1\,857\,693\,168\,T^{15}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 2\,163\,604\,221\,T^{16}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 2\,446\,768\,602\,T^{17}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + \\
& 2\,707\,452\,045\,T^{18}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 2\,915\,636\,364\,T^{19}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 3\,009\,093\,390\,T^{20}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - \\
& 2\,920\,637\,484\,T^{21}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 2\,619\,768\,555\,T^{22}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 2\,140\,344\,720\,T^{23}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + \\
& 1\,573\,575\,957\,T^{24}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 1\,029\,679\,326\,T^{25}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 592\,895\,754\,T^{26}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 296\,376\,462\,T^{27}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + \\
& 126\,304\,173\,T^{28}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 44\,641\,557\,T^{29}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 12\,459\,591\,T^{30}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 2\,448\,279\,T^{31}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + \\
& 198\,252\,T^{32}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 65\,763\,T^{33}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 31\,086\,T^{34}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + 6\,453\,T^{35}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 729\,T^{36}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} + \\
& 36\,T^{37}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]} - 18\,T\mathcal{A}_{\S[11]}^2 + 369\,T^2\mathcal{A}_{\S[11]}^2 - 3\,456\,T^3\mathcal{A}_{\S[11]}^2 + 18\,774\,T^4\mathcal{A}_{\S[11]}^2 - 57\,258\,T^5\mathcal{A}_{\S[11]}^2 + 17\,721\,T^6\mathcal{A}_{\S[11]}^2 + \\
& 860\,589\,T^7\mathcal{A}_{\S[11]}^2 - 5\,646\,753\,T^8\mathcal{A}_{\S[11]}^2 + 23\,186\,331\,T^9\mathcal{A}_{\S[11]}^2 - 73\,044\,441\,T^{10}\mathcal{A}_{\S[11]}^2 + 188\,905\,005\,T^{11}\mathcal{A}_{\S[11]}^2 - \\
& 414\,418\,770\,T^{12}\mathcal{A}_{\S[11]}^2 + 785\,860\,641\,T^{13}\mathcal{A}_{\S[11]}^2 - 1\,303\,197\,849\,T^{14}\mathcal{A}_{\S[11]}^2 + 1\,903\,532\,643\,T^{15}\mathcal{A}_{\S[11]}^2 - \\
& 2\,458\,896\,021\,T^{16}\mathcal{A}_{\S[11]}^2 + 2\,812\,772\,358\,T^{17}\mathcal{A}_{\S[11]}^2 - 2\,845\,611\,522\,T^{18}\mathcal{A}_{\S[11]}^2 + 2\,534\,649\,876\,T^{19}\mathcal{A}_{\S[11]}^2 - \\
& 1\,969\,799\,301\,T^{20}\mathcal{A}_{\S[11]}^2 + 1\,312\,904\,763\,T^{21}\mathcal{A}_{\S[11]}^2 - 724\,747\,779\,T^{22}\mathcal{A}_{\S[11]}^2 + 303\,516\,747\,T^{23}\mathcal{A}_{\S[11]}^2 - \\
& 65\,752\,128\,T^{24}\mathcal{A}_{\S[11]}^2 - 30\,873\,537\,T^{25}\mathcal{A}_{\S[11]}^2 + 47\,708\,658\,T^{26}\mathcal{A}_{\S[11]}^2 - 34\,373\,673\,T^{27}\mathcal{A}_{\S[11]}^2 + 17\,958\,159\,T^{28}\mathcal{A}_{\S[11]}^2 - \\
& 7\,363\,512\,T^{29}\mathcal{A}_{\S[11]}^2 + 2\,408\,571\,T^{30}\mathcal{A}_{\S[11]}^2 - 622\,287\,T^{31}\mathcal{A}_{\S[11]}^2 + 123\,156\,T^{32}\mathcal{A}_{\S[11]}^2 - 17\,604\,T^{33}\mathcal{A}_{\S[11]}^2 + \\
& 1620\,T^{34}\mathcal{A}_{\S[11]}^2 - 72\,T^{35}\mathcal{A}_{\S[11]}^2 + 18\,T\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 684\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 9\,999\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 84\,123\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 479\,196\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 2\,005\,389\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 6\,425\,901\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 15\,950\,790\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 29\,787\,372\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 35\,796\,222\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,308\,420\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 147\,062\,718\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 486\,432\,891\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1\,086\,618\,231\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,942\,974\,234\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,938\,990\,671\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 3\,856\,513\,014\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 4\,448\,448\,225\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 4\,543\,718\,850\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 4\,125\,283\,245\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3\,333\,818\,565\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,396\,860\,740\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 1\,529\,406\,486\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 862\,295\,526\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 426\,563\,469\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 183\,171\,123\,T^{26}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 67\,170\,429\,T^{27}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 20\,494\,422\,T^{28}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 4\,970\,520\,T^{29}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 868\,932\,T^{30}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 77\,301\,T^{31}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 8\,433\,T^{32}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 4\,113\,T^{33}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 612\,T^{34}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 36\,T^{35}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 36\,T\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1\,683\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 28\,206\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 267\,786\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,727\,442\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 8\,334\,297\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 31\,882\,725\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 100\,556\,217\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 268\,898\,661\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 622\,834\,821\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,271\,235\,933\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,319\,540\,534\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3\,830\,538\,411\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 5\,786\,120\,007\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 8\,064\,792\,243\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 10\,443\,197\,781\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 12\,622\,279\,698\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 14\,275\,181\,376\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 15\,112\,408\,626\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 14\,954\,438\,799\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 13\,791\,950\,019\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 11\,807\,107\,299\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 9\,336\,697\,857\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 6\,781\,753\,026\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 4\,496\,494\,527\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 2\,702\,498\,022\,T^{26}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,460\,870\,955\,T^{27}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 703\,897\,569\,T^{28}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 299\,137\,914\,T^{29}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 110\,701\,827\,T^{30}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 35\,110\,827\,T^{31}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 9\,348\,984\,T^{32}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 2\,032\,164\,T^{33}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 346\,320\,T^{34}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 43\,416\,T^{35}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 3\,564\,T^{36}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 144\,T^{37}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 72\,T\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 1188\,T\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 8\,460\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 26\,577\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 51\,057\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1\,057\,788\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 6\,633\,837\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 28\,077\,831\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 92\,120\,130\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 247\,978\,566\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 565\,143\,534\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1\,112\,801\,544\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,921\,293\,666\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,943\,149\,769\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 4\,042\,261\,773\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 5\,029\,575\,930\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 5\,733\,355\,095\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 6\,063\,918\,210\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 6\,032\,739\,015\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 5\,717\,689\,704\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 5\,205\,014\,199\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 4\,551\,895\,845\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3\,791\,026\,116\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 2\,961\,400\,788\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 2\,130\,232\,680\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1\,383\,748\,461\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 794\,614\,383\,T^{26}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 392\,740\,497\,T^{27}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 160\,087\,698\,T^{28}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 48\,952\,458\,T^{29}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 7\,587\,594\,T^{30}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 2\,530\,089\,T^{31}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,639\,529\,T^{32}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,233\,009\,T^{33}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 393\,228\,T^{34}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 90\,288\,T^{35}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 14\,508\,T^{36}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1476\,T^{37}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 72\,T^{38}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 4\,T^{39}\mathcal{A}_{\S[11]}^2 + \\
& 18\,T\mathcal{A}_{\S[11]}^3 - 1109\,T^2\mathcal{A}_{\S[11]}^3 + 13\,195\,T^3\mathcal{A}_{\S[11]}^3 - 92\,048\,T^4\mathcal{A}_{\S[11]}^3 + 453\,617\,T^5\mathcal{A}_{\S[11]}^3 - 1\,700\,819\,T^6\mathcal{A}_{\S[11]}^3 +
\end{aligned}$$

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$$\begin{aligned}
& 5011892 T^7 \mathcal{A}_{\S[11]}^3 - 11651496 T^8 \mathcal{A}_{\S[11]}^3 + 20580540 T^9 \mathcal{A}_{\S[11]}^3 - 23139198 T^{10} \mathcal{A}_{\S[11]}^3 - 4057422 T^{11} \mathcal{A}_{\S[11]}^3 + \\
& 102844427 T^{12} \mathcal{A}_{\S[11]}^3 - 325849059 T^{13} \mathcal{A}_{\S[11]}^3 + 712745036 T^{14} \mathcal{A}_{\S[11]}^3 - 1256983497 T^{15} \mathcal{A}_{\S[11]}^3 + \\
& 1882497674 T^{16} \mathcal{A}_{\S[11]}^3 - 2452162627 T^{17} \mathcal{A}_{\S[11]}^3 + 2814041580 T^{18} \mathcal{A}_{\S[11]}^3 - 2865509665 T^{19} \mathcal{A}_{\S[11]}^3 + \\
& 2599192679 T^{20} \mathcal{A}_{\S[11]}^3 - 2103379742 T^{21} \mathcal{A}_{\S[11]}^3 + 1518208238 T^{22} \mathcal{A}_{\S[11]}^3 - 975598224 T^{23} \mathcal{A}_{\S[11]}^3 + \\
& 556198959 T^{24} \mathcal{A}_{\S[11]}^3 - 279856875 T^{25} \mathcal{A}_{\S[11]}^3 + 123368019 T^{26} \mathcal{A}_{\S[11]}^3 - 47171380 T^{27} \mathcal{A}_{\S[11]}^3 + 15432294 T^{28} \mathcal{A}_{\S[11]}^3 - \\
& 4238848 T^{29} \mathcal{A}_{\S[11]}^3 + 951545 T^{30} \mathcal{A}_{\S[11]}^3 - 167683 T^{31} \mathcal{A}_{\S[11]}^3 + 21739 T^{32} \mathcal{A}_{\S[11]}^3 - 1840 T^{33} \mathcal{A}_{\S[11]}^3 + 76 T^{34} \mathcal{A}_{\S[11]}^3 - \\
& 18 T \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 414 T^2 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 5409 T^3 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 47664 T^4 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 306081 T^5 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + \\
& 1518138 T^6 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 6080139 T^7 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 20342511 T^8 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 58375953 T^9 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + \\
& 146675232 T^{10} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 327858210 T^{11} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 659649402 T^{12} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 1204080336 T^{13} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + \\
& 2002883697 T^{14} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 3041425062 T^{15} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 4215551517 T^{16} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - \\
& 5326270272 T^{17} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 6122997702 T^{18} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 6390586476 T^{19} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + \\
& 6041521683 T^{20} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 5160450708 T^{21} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 3971288241 T^{22} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - \\
& 2744292906 T^{23} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 1696033350 T^{24} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 932787630 T^{25} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 453702213 T^{26} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - \\
& 193628421 T^{27} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 71773335 T^{28} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 22801059 T^{29} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 6096888 T^{30} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - \\
& 1337805 T^{31} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 231930 T^{32} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 29871 T^{33} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 2547 T^{34} \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - \\
& 108 T^3 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 36 T^2 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 351 T^2 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + 1935 T^3 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 - 57924 T^4 \mathcal{A}_{\S[0]} \mathcal{A}_{\S[11]}^3 + \\
& 543627 T^5 \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 3244437 T^6 \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 14338422 T^7 \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 50225202 T^8 \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + \\
& 144883854 T^9 \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 352418652 T^{10} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 733469814 T^{11} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 1316154087 T^{12} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + \\
& 2037368691 T^{13} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 2695164750 T^{14} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 2959735617 T^{15} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - \\
& 2476301634 T^{16} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 1040529573 T^{17} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 1238015484 T^{18} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - \\
& 3895043103 T^{19} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 6252774417 T^{20} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 7692147000 T^{21} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + \\
& 7911231840 T^{22} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 7025150484 T^{23} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 5463104121 T^{24} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - \\
& 3743223543 T^{25} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 2263415265 T^{26} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 1205995086 T^{27} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 563937570 T^{28} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - \\
& 229915926 T^{29} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 80959383 T^{30} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 24303015 T^{31} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 6108003 T^{32} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - \\
& 1252656 T^{33} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 201744 T^{34} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 23976 T^{35} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 + 1872 T^{36} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - 72 T^{37} \mathcal{A}_{\S[0]}^2 \mathcal{A}_{\S[11]}^3 - \\
& 40 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 792 T \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 7432 T^2 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 42515 T^3 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 155344 T^4 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + \\
& 302473 T^5 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 315710 T^6 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 5173523 T^7 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 23813115 T^8 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - \\
& 74507649 T^9 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 179913942 T^{10} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 347671470 T^{11} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 535019602 T^{12} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - \\
& 614447100 T^{13} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 375125221 T^{14} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 408995550 T^{15} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 1851637637 T^{16} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + \\
& 3829377466 T^{17} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 5949147930 T^{18} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 7660991464 T^{19} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - \\
& 8479538627 T^{20} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 8197255442 T^{21} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 696688511 T^{22} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + \\
& 5208590022 T^{23} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 3410147658 T^{24} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 1933886064 T^{25} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - \\
& 929454333 T^{26} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 361343299 T^{27} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 99729759 T^{28} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 7858909 T^{29} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + \\
& 11291308 T^{30} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 8766545 T^{31} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 4010000 T^{32} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 1346045 T^{33} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + \\
& 344813 T^{34} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 66636 T^{35} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 9252 T^{36} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 - 828 T^{37} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 + 36 T^{38} \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 \Big) \Big) / \\
& \left(36 \left(1 - 3 T + 4 T^2 - 4 T^3 + T^4 \right) \left(1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6 \right)^6 \mathcal{A}_{\S[0]}^3 \mathcal{A}_{\S[11]}^3 \right)
\end{aligned}$$

$$\begin{aligned}
(Alt) Out[*] = & \left\{ 517.297, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{1}{2} \left(-2 \mathfrak{t} \hbar - \text{Log} \left[\left(-1 - \frac{1}{\mathfrak{T}^4} + \frac{4}{\mathfrak{T}^3} - \frac{6}{\mathfrak{T}^2} + \frac{5}{\mathfrak{T}} \right)^2 \right] - \right. \right. \\
& \text{Log} \left[\left(1 + \frac{\mathfrak{T}}{1 - 4 \mathfrak{T} + 6 \mathfrak{T}^2 - 5 \mathfrak{T}^3 + \mathfrak{T}^4} - \frac{2 \mathfrak{T}^2}{1 - 4 \mathfrak{T} + 6 \mathfrak{T}^2 - 5 \mathfrak{T}^3 + \mathfrak{T}^4} + \frac{\mathfrak{T}^3}{1 - 4 \mathfrak{T} + 6 \mathfrak{T}^2 - 5 \mathfrak{T}^3 + \mathfrak{T}^4} \right)^2 \right] - \\
& \text{Log} \left[\left(1 - \frac{\mathfrak{T}}{1 - 3 \mathfrak{T} + 4 \mathfrak{T}^2 - 4 \mathfrak{T}^3 + \mathfrak{T}^4} + \frac{4 \mathfrak{T}^2}{1 - 3 \mathfrak{T} + 4 \mathfrak{T}^2 - 4 \mathfrak{T}^3 + \mathfrak{T}^4} - \frac{7 \mathfrak{T}^3}{1 - 3 \mathfrak{T} + 4 \mathfrak{T}^2 - 4 \mathfrak{T}^3 + \mathfrak{T}^4} + \right. \\
& \left. \frac{7 \mathfrak{T}^4}{1 - 3 \mathfrak{T} + 4 \mathfrak{T}^2 - 4 \mathfrak{T}^3 + \mathfrak{T}^4} - \frac{4 \mathfrak{T}^5}{1 - 3 \mathfrak{T} + 4 \mathfrak{T}^2 - 4 \mathfrak{T}^3 + \mathfrak{T}^4} + \frac{\mathfrak{T}^6}{1 - 3 \mathfrak{T} + 4 \mathfrak{T}^2 - 4 \mathfrak{T}^3 + \mathfrak{T}^4} \right)^2 \right] \left. \right], \\
& \frac{(-1 + \mathfrak{T}) (1 + \mathfrak{T}) (1 - \mathfrak{T} + \mathfrak{T}^2) (3 - 5 \mathfrak{T} + 3 \mathfrak{T}^2) \hbar}{1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6} + \frac{2 \mathfrak{a} (-1 + \mathfrak{T}) (1 + \mathfrak{T}) (1 - \mathfrak{T} + \mathfrak{T}^2) (3 - 5 \mathfrak{T} + 3 \mathfrak{T}^2) \hbar}{1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6} - \\
& \frac{2 (1 + \mathfrak{T}) (1 - \mathfrak{T} + \mathfrak{T}^2) (3 - 5 \mathfrak{T} + 3 \mathfrak{T}^2) \mathfrak{x} \mathfrak{y} \hbar^2}{1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6}, \\
& \frac{2 \mathfrak{a} \mathfrak{T} (4 - 32 \mathfrak{T} + 131 \mathfrak{T}^2 - 304 \mathfrak{T}^3 + 476 \mathfrak{T}^4 - 548 \mathfrak{T}^5 + 476 \mathfrak{T}^6 - 304 \mathfrak{T}^7 + 131 \mathfrak{T}^8 - 32 \mathfrak{T}^9 + 4 \mathfrak{T}^{10}) \hbar^2}{(1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6)^2} + \\
& \frac{2 \mathfrak{a}^2 \mathfrak{T} (4 - 32 \mathfrak{T} + 131 \mathfrak{T}^2 - 304 \mathfrak{T}^3 + 476 \mathfrak{T}^4 - 548 \mathfrak{T}^5 + 476 \mathfrak{T}^6 - 304 \mathfrak{T}^7 + 131 \mathfrak{T}^8 - 32 \mathfrak{T}^9 + 4 \mathfrak{T}^{10}) \hbar^2}{(1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6)^2} + \\
& \frac{((-1 + \mathfrak{T})^2 \mathfrak{T} (4 - 42 \mathfrak{T} + 219 \mathfrak{T}^2 - 680 \mathfrak{T}^3 + 1483 \mathfrak{T}^4 - 2481 \mathfrak{T}^5 + 3315 \mathfrak{T}^6 - 3643 \mathfrak{T}^7 + 3315 \mathfrak{T}^8 - 2481 \mathfrak{T}^9 + 1483 \mathfrak{T}^{10} - 680 \mathfrak{T}^{11} + 219 \mathfrak{T}^{12} - 42 \mathfrak{T}^{13} + 4 \mathfrak{T}^{14}) \hbar^2}{(1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6)^2} \Big/ \\
& \left(2 (1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6)^3 \right) + \frac{2 (-1 + \mathfrak{T}) (1 + \mathfrak{T})^2 (1 - \mathfrak{T} + \mathfrak{T}^2)^2 (3 - 5 \mathfrak{T} + 3 \mathfrak{T}^2)^2 \mathfrak{x} \mathfrak{y} \hbar^3}{(1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6)^2} - \\
& \frac{4 \mathfrak{a} \mathfrak{T} (-7 + 42 \mathfrak{T} - 136 \mathfrak{T}^2 + 250 \mathfrak{T}^3 - 312 \mathfrak{T}^4 + 274 \mathfrak{T}^5 - 164 \mathfrak{T}^6 + 54 \mathfrak{T}^7 + 5 \mathfrak{T}^8 - 10 \mathfrak{T}^9 + 3 \mathfrak{T}^{10}) \mathfrak{x} \mathfrak{y} \hbar^3}{(1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6)^2} + \\
& \left. \frac{(3 - 37 \mathfrak{T}^2 + 153 \mathfrak{T}^3 - 261 \mathfrak{T}^4 + 325 \mathfrak{T}^5 - 261 \mathfrak{T}^6 + 153 \mathfrak{T}^7 - 37 \mathfrak{T}^8 + 3 \mathfrak{T}^{10}) \mathfrak{x}^2 \mathfrak{y}^2 \hbar^4}{(1 - 4 \mathfrak{T} + 8 \mathfrak{T}^2 - 11 \mathfrak{T}^3 + 8 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6)^2} \right\}
\end{aligned}$$

`(Alt) In[]:= PrintProfile[]`

```

(Alt) Out[ ]:= ProfileRoot is root. Profiled time: 636.047
  (    4)    1.129/ 636.031 above Z
  (    4)    0.016/   0.016 above RVK
CCF: called 104350 times, time in 351.146/351.146
  ( 104350) 351.146/ 351.146 under CF
CF: called 56959 times, time in 209.566/560.712
  (   745)   4.288/   7.274 under Z
  (   220)   0.218/   0.327 under Boot
  (   742)  40.106/  93.086 under EZip3
  (   424)   0.751/   0.922 under Zip1
  (  1484) 132.533/ 402.120 under Zip2
  ( 53344)  31.670/  56.983 under Zip3
  ( 104350) 351.146/ 351.146 above CCF
EZip3: called 212 times, time in 47.894/151.243
  (   158)  47.565/ 148.292 under Z
  (    54)   0.329/   2.951 under Boot
  (   742)  40.106/  93.086 above CF
  (   212)   4.908/  10.263 above Zip3
Zip3: called 424 times, time in 17.8/74.783
  (   158)  10.905/  59.693 under Z
  (    54)   1.987/   4.827 under Boot
  (   212)   4.908/  10.263 under EZip3
  ( 53344)  31.670/  56.983 above CF
Zip2: called 424 times, time in 4.579/406.699
  (   316)   3.480/ 404.694 under Z
  (   108)   1.099/   2.005 under Boot
  (  1484) 132.533/ 402.120 above CF
Zip1: called 212 times, time in 3.654/4.576
  (   158)   2.403/   3.122 under Z
  (    54)   1.251/   1.454 under Boot
  (   424)   0.751/   0.922 above CF
Z: called 4 times, time in 1.129/636.031
  (    4)   1.129/ 636.031 under ProfileRoot
  (   14)   0.076/  11.827 above Boot
  (   745)   4.288/   7.274 above CF
  (   158)  47.565/ 148.292 above EZip3
  (   158)   2.403/   3.122 above Zip1
  (   316)   3.480/ 404.694 above Zip2
  (   158)  10.905/  59.693 above Zip3
Boot: called 51 times, time in 0.263/31.906
  (   14)   0.076/  11.827 under Z
  (   37)   0.187/  20.079 under Boot
  (   37)   0.187/  20.079 above Boot
  (   220)   0.218/   0.327 above CF
  (    54)   0.329/   2.951 above EZip3
  (    54)   1.251/   1.454 above Zip1
  (   108)   1.099/   2.005 above Zip2
  (    54)   1.987/   4.827 above Zip3
RVK: called 4 times, time in 0.016/0.016
  (    4)   0.016/   0.016 under ProfileRoot

```


(Alt) In[*]:= **Timing@Block**[{**\$k** = 3}, **Z[Knot**[3, 1]]]

$$\begin{aligned}
 \text{(Alt) Out[*]} = & \left\{ 486.328, \mathbb{E}_{\{\cdot\} \rightarrow \{\emptyset\}} \left[\frac{1}{2} \left(-4 \mathfrak{t} \hbar - \text{Log} \left[\left(\frac{1}{\mathfrak{T}^3} - \frac{2}{\mathfrak{T}^2} + \frac{2}{\mathfrak{T}} \right)^2 \right] - \text{Log} \left[\left(1 + \frac{\mathfrak{T}}{1 - 2 \mathfrak{T} + 2 \mathfrak{T}^2} - \frac{\mathfrak{T}^2}{1 - 2 \mathfrak{T} + 2 \mathfrak{T}^2} \right)^2 \right] \right) \right], \right. \\
 & \frac{2 \mathfrak{a} (-1 + \mathfrak{T}) (1 + \mathfrak{T}) \hbar}{1 - \mathfrak{T} + \mathfrak{T}^2} + \frac{(-1 + \mathfrak{T}) (2 - \mathfrak{T} + \mathfrak{T}^2) \hbar}{(1 - \mathfrak{T} + \mathfrak{T}^2)^2} - \frac{2 (1 + \mathfrak{T}) \mathfrak{x} \mathfrak{y} \hbar^2}{1 - \mathfrak{T} + \mathfrak{T}^2}, \\
 & \frac{2 \mathfrak{a}^2 \mathfrak{T} (1 - 4 \mathfrak{T} + \mathfrak{T}^2) \hbar^2}{(1 - \mathfrak{T} + \mathfrak{T}^2)^2} + \frac{2 \mathfrak{a} \mathfrak{T} (1 - 7 \mathfrak{T} + 6 \mathfrak{T}^2 - 3 \mathfrak{T}^3 + \mathfrak{T}^4) \hbar^2}{(1 - \mathfrak{T} + \mathfrak{T}^2)^3} + \frac{(-1 + \mathfrak{T}) \mathfrak{T} (-1 + 10 \mathfrak{T} - 6 \mathfrak{T}^2 + 6 \mathfrak{T}^3 - 2 \mathfrak{T}^4 + \mathfrak{T}^5) \hbar^2}{2 (1 - \mathfrak{T} + \mathfrak{T}^2)^4} - \\
 & \frac{4 \mathfrak{a} \mathfrak{T} (-2 + 2 \mathfrak{T} + \mathfrak{T}^2) \mathfrak{x} \mathfrak{y} \hbar^3}{(1 - \mathfrak{T} + \mathfrak{T}^2)^2} + \frac{2 (1 + \mathfrak{T}) (-1 + \mathfrak{T} - 2 \mathfrak{T}^2 - \mathfrak{T}^3 + \mathfrak{T}^4) \mathfrak{x} \mathfrak{y} \hbar^3}{(1 - \mathfrak{T} + \mathfrak{T}^2)^3} + \frac{(1 + 5 \mathfrak{T} + \mathfrak{T}^2) \mathfrak{x}^2 \mathfrak{y}^2 \hbar^4}{(1 - \mathfrak{T} + \mathfrak{T}^2)^2}, \\
 & \frac{4 \mathfrak{a}^3 (-1 + \mathfrak{T}) \mathfrak{T} (1 + \mathfrak{T}) (1 - 7 \mathfrak{T} + \mathfrak{T}^2) \hbar^3}{3 (1 - \mathfrak{T} + \mathfrak{T}^2)^3} + \frac{2 \mathfrak{a}^2 \mathfrak{T} (-1 + 12 \mathfrak{T} - 6 \mathfrak{T}^2 - 16 \mathfrak{T}^3 + 10 \mathfrak{T}^4 - 4 \mathfrak{T}^5 + \mathfrak{T}^6) \hbar^3}{(1 - \mathfrak{T} + \mathfrak{T}^2)^4} + \\
 & \frac{\mathfrak{a} \mathfrak{T} (-1 + 19 \mathfrak{T} - 19 \mathfrak{T}^2 - 34 \mathfrak{T}^3 + 40 \mathfrak{T}^4 - 22 \mathfrak{T}^5 + 11 \mathfrak{T}^6 - 3 \mathfrak{T}^7 + \mathfrak{T}^8) \hbar^3}{(1 - \mathfrak{T} + \mathfrak{T}^2)^5} + \\
 & \frac{(-1 + \mathfrak{T}) \mathfrak{T} (1 - 28 \mathfrak{T} + 15 \mathfrak{T}^2 + 86 \mathfrak{T}^3 - 45 \mathfrak{T}^4 + 39 \mathfrak{T}^5 - 14 \mathfrak{T}^6 + 9 \mathfrak{T}^7 - 2 \mathfrak{T}^8 + \mathfrak{T}^9) \hbar^3}{6 (1 - \mathfrak{T} + \mathfrak{T}^2)^6} - \\
 & \frac{4 \mathfrak{a}^2 \mathfrak{T} (2 - 2 \mathfrak{T} - 9 \mathfrak{T}^2 + 5 \mathfrak{T}^3 + \mathfrak{T}^4) \mathfrak{x} \mathfrak{y} \hbar^4}{(1 - \mathfrak{T} + \mathfrak{T}^2)^3} + \frac{4 \mathfrak{a} \mathfrak{T} (3 - 4 \mathfrak{T} + 10 \mathfrak{T}^2 - 4 \mathfrak{T}^3 - 14 \mathfrak{T}^4 + 2 \mathfrak{T}^5 + \mathfrak{T}^6) \mathfrak{x} \mathfrak{y} \hbar^4}{(1 - \mathfrak{T} + \mathfrak{T}^2)^4} - \\
 & \frac{(1 + \mathfrak{T}) (4 - 7 \mathfrak{T} + 13 \mathfrak{T}^2 - 4 \mathfrak{T}^3 + 19 \mathfrak{T}^4 + 44 \mathfrak{T}^5 - 35 \mathfrak{T}^6 - 7 \mathfrak{T}^7 + 4 \mathfrak{T}^8) \mathfrak{x} \mathfrak{y} \hbar^4}{3 (1 - \mathfrak{T} + \mathfrak{T}^2)^5} + \frac{2 \mathfrak{a} \mathfrak{T} (-7 - 3 \mathfrak{T} + 15 \mathfrak{T}^2 + 2 \mathfrak{T}^3) \mathfrak{x}^2 \mathfrak{y}^2 \hbar^5}{(1 - \mathfrak{T} + \mathfrak{T}^2)^3} - \\
 & \left. \frac{(-2 - 23 \mathfrak{T} + 10 \mathfrak{T}^2 - 11 \mathfrak{T}^3 - 42 \mathfrak{T}^4 + 29 \mathfrak{T}^5 + 8 \mathfrak{T}^6) \mathfrak{x}^2 \mathfrak{y}^2 \hbar^5}{(1 - \mathfrak{T} + \mathfrak{T}^2)^4} - \frac{2 (1 + \mathfrak{T}) (1 + 11 \mathfrak{T} + \mathfrak{T}^2) \mathfrak{x}^3 \mathfrak{y}^3 \hbar^6}{3 (1 - \mathfrak{T} + \mathfrak{T}^2)^3} \right\}
 \end{aligned}$$

(Alt) In[]:= **PrintProfile[]**

(Alt) Out[]:= ProfileRoot is root. Profiled time: 1122.38

```
( 5) 1.706/ 1122.360 above Z
( 5) 0.016/ 0.016 above RVK
CCF: called 169622 times, time in 629.498/629.498
( 169622) 629.498/ 629.498 under CF
CF: called 71886 times, time in 375.458/1004.96
( 913) 5.305/ 9.132 under Z
( 372) 0.406/ 0.642 under Boot
( 967) 104.827/ 202.399 under EZip3
( 514) 0.986/ 1.157 under Zip1
( 1934) 204.249/ 676.116 under Zip2
( 67186) 59.685/ 115.510 under Zip3
( 169622) 629.498/ 629.498 above CCF
EZip3: called 257 times, time in 74.692/304.59
( 180) 74.021/ 299.434 under Z
( 77) 0.671/ 5.156 under Boot
( 967) 104.827/ 202.399 above CF
( 257) 9.018/ 27.499 above Zip3
Zip3: called 514 times, time in 30.29/145.8
( 180) 17.803/ 110.616 under Z
( 77) 3.469/ 7.685 under Boot
( 257) 9.018/ 27.499 under EZip3
( 67186) 59.685/ 115.510 above CF
Zip2: called 514 times, time in 5.722/681.838
( 360) 4.232/ 678.132 under Z
( 154) 1.490/ 3.706 under Boot
( 1934) 204.249/ 676.116 above CF
Zip1: called 257 times, time in 4.558/5.715
( 180) 2.683/ 3.512 under Z
( 77) 1.875/ 2.203 under Boot
( 514) 0.986/ 1.157 above CF
Z: called 5 times, time in 1.706/1122.36
( 5) 1.706/ 1122.360 under ProfileRoot
( 19) 0.107/ 19.827 above Boot
( 913) 5.305/ 9.132 above CF
( 180) 74.021/ 299.434 above EZip3
( 180) 2.683/ 3.512 above Zip1
( 360) 4.232/ 678.132 above Zip2
( 180) 17.803/ 110.616 above Zip3
Boot: called 71 times, time in 0.435/51.655
( 19) 0.107/ 19.827 under Z
( 52) 0.328/ 31.828 under Boot
( 52) 0.328/ 31.828 above Boot
( 372) 0.406/ 0.642 above CF
( 77) 0.671/ 5.156 above EZip3
( 77) 1.875/ 2.203 above Zip1
( 154) 1.490/ 3.706 above Zip2
( 77) 3.469/ 7.685 above Zip3
RVK: called 5 times, time in 0.016/0.016
( 5) 0.016/ 0.016 under ProfileRoot
```

(Alt) In[]:= **Timing@Block[{ \$k = 3}, Z[Knot[8, 17]]]**

» With LeafCount==8074, nC is

$$\frac{1}{48 \left(1 - 4 T + 6 T^2 - 5 T^3 + T^4 \right)^8 \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^4} \hbar^7 \left(3 + 96 T - 3288 T^2 + 42024 T^3 - 325689 T^4 + 1774128 T^5 - 7296468 T^6 + \right.$$

$$\begin{aligned}
& 23\,579\,520\,T^7 - 61\,190\,871\,T^8 + 128\,420\,828\,T^9 - 215\,515\,076\,T^{10} + 275\,093\,832\,T^{11} - 218\,108\,069\,T^{12} - 52\,883\,416\,T^{13} + \\
& 575\,005\,590\,T^{14} - 1\,262\,917\,348\,T^{15} + 1\,912\,592\,108\,T^{16} - 2\,292\,536\,352\,T^{17} + 2\,271\,199\,634\,T^{18} - 1\,889\,182\,252\,T^{19} + \\
& 1\,323\,477\,066\,T^{20} - 776\,735\,780\,T^{21} + 376\,868\,078\,T^{22} - 147\,699\,900\,T^{23} + 44\,979\,695\,T^{24} - 9\,942\,880\,T^{25} + 1\,389\,708\,T^{26} - \\
& 81\,600\,T^{27} - 1706\,T^{28} + 288\,T^4\,\mathcal{A}_{\$[4]} - 5760\,T^5\,\mathcal{A}_{\$[4]} + 53\,280\,T^6\,\mathcal{A}_{\$[4]} - 299\,814\,T^7\,\mathcal{A}_{\$[4]} + 1\,119\,386\,T^8\,\mathcal{A}_{\$[4]} - \\
& 2\,719\,732\,T^9\,\mathcal{A}_{\$[4]} + 3\,061\,328\,T^{10}\,\mathcal{A}_{\$[4]} + 6\,992\,334\,T^{11}\,\mathcal{A}_{\$[4]} - 49\,405\,206\,T^{12}\,\mathcal{A}_{\$[4]} + 158\,367\,270\,T^{13}\,\mathcal{A}_{\$[4]} - \\
& 364\,558\,962\,T^{14}\,\mathcal{A}_{\$[4]} + 665\,387\,916\,T^{15}\,\mathcal{A}_{\$[4]} - 1\,000\,890\,948\,T^{16}\,\mathcal{A}_{\$[4]} + 1\,263\,314\,386\,T^{17}\,\mathcal{A}_{\$[4]} - 1\,348\,478\,294\,T^{18}\,\mathcal{A}_{\$[4]} + \\
& 1\,218\,785\,238\,T^{19}\,\mathcal{A}_{\$[4]} - 928\,801\,962\,T^{20}\,\mathcal{A}_{\$[4]} + 590\,845\,950\,T^{21}\,\mathcal{A}_{\$[4]} - 308\,279\,166\,T^{22}\,\mathcal{A}_{\$[4]} + 128\,111\,454\,T^{23}\,\mathcal{A}_{\$[4]} - \\
& 40\,287\,198\,T^{24}\,\mathcal{A}_{\$[4]} + 8\,646\,144\,T^{25}\,\mathcal{A}_{\$[4]} - 939\,088\,T^{26}\,\mathcal{A}_{\$[4]} - 37\,912\,T^{27}\,\mathcal{A}_{\$[4]} + 14\,536\,T^{28}\,\mathcal{A}_{\$[4]} - 3\,T^6\,\mathcal{A}_{\$[4]}^2 + 124\,T^7\,\mathcal{A}_{\$[4]}^2 - \\
& 915\,T^8\,\mathcal{A}_{\$[4]}^2 - 2742\,T^9\,\mathcal{A}_{\$[4]}^2 + 82\,651\,T^{10}\,\mathcal{A}_{\$[4]}^2 - 645\,550\,T^{11}\,\mathcal{A}_{\$[4]}^2 + 3\,113\,990\,T^{12}\,\mathcal{A}_{\$[4]}^2 - 10\,874\,900\,T^{13}\,\mathcal{A}_{\$[4]}^2 + \\
& 29\,402\,187\,T^{14}\,\mathcal{A}_{\$[4]}^2 - 63\,762\,412\,T^{15}\,\mathcal{A}_{\$[4]}^2 + 113\,164\,747\,T^{16}\,\mathcal{A}_{\$[4]}^2 - 166\,229\,084\,T^{17}\,\mathcal{A}_{\$[4]}^2 + 203\,161\,694\,T^{18}\,\mathcal{A}_{\$[4]}^2 - \\
& 206\,627\,296\,T^{19}\,\mathcal{A}_{\$[4]}^2 + 173\,925\,212\,T^{20}\,\mathcal{A}_{\$[4]}^2 - 119\,579\,218\,T^{21}\,\mathcal{A}_{\$[4]}^2 + 65\,445\,286\,T^{22}\,\mathcal{A}_{\$[4]}^2 - 27\,077\,874\,T^{23}\,\mathcal{A}_{\$[4]}^2 + \\
& 7\,471\,619\,T^{24}\,\mathcal{A}_{\$[4]}^2 - 757\,668\,T^{25}\,\mathcal{A}_{\$[4]}^2 - 343\,784\,T^{26}\,\mathcal{A}_{\$[4]}^2 + 157\,112\,T^{27}\,\mathcal{A}_{\$[4]}^2 - 18\,692\,T^{28}\,\mathcal{A}_{\$[4]}^2 - 56\,T^{10}\,\mathcal{A}_{\$[4]}^3 + \\
& 1296\,T^{11}\,\mathcal{A}_{\$[4]}^3 - 13\,272\,T^{12}\,\mathcal{A}_{\$[4]}^3 + 74\,740\,T^{13}\,\mathcal{A}_{\$[4]}^3 - 256\,100\,T^{14}\,\mathcal{A}_{\$[4]}^3 + 551\,428\,T^{15}\,\mathcal{A}_{\$[4]}^3 - 684\,372\,T^{16}\,\mathcal{A}_{\$[4]}^3 + \\
& 140\,900\,T^{17}\,\mathcal{A}_{\$[4]}^3 + 1\,366\,244\,T^{18}\,\mathcal{A}_{\$[4]}^3 - 3\,438\,940\,T^{19}\,\mathcal{A}_{\$[4]}^3 + 5\,162\,100\,T^{20}\,\mathcal{A}_{\$[4]}^3 - 5\,784\,520\,T^{21}\,\mathcal{A}_{\$[4]}^3 + 5\,199\,440\,T^{22}\,\mathcal{A}_{\$[4]}^3 - \\
& 3\,847\,832\,T^{23}\,\mathcal{A}_{\$[4]}^3 + 2\,333\,840\,T^{24}\,\mathcal{A}_{\$[4]}^3 - 1\,122\,572\,T^{25}\,\mathcal{A}_{\$[4]}^3 + 398\,420\,T^{26}\,\mathcal{A}_{\$[4]}^3 - 91\,280\,T^{27}\,\mathcal{A}_{\$[4]}^3 + 8728\,T^{28}\,\mathcal{A}_{\$[4]}^3 - \\
& 1578\,T^{12}\,\mathcal{A}_{\$[4]}^4 + 21\,534\,T^{13}\,\mathcal{A}_{\$[4]}^4 - 136\,434\,T^{14}\,\mathcal{A}_{\$[4]}^4 + 534\,978\,T^{15}\,\mathcal{A}_{\$[4]}^4 - 1\,460\,618\,T^{16}\,\mathcal{A}_{\$[4]}^4 + 2\,961\,670\,T^{17}\,\mathcal{A}_{\$[4]}^4 - \\
& 4\,642\,616\,T^{18}\,\mathcal{A}_{\$[4]}^4 + 5\,775\,870\,T^{19}\,\mathcal{A}_{\$[4]}^4 - 5\,801\,959\,T^{20}\,\mathcal{A}_{\$[4]}^4 + 4\,757\,752\,T^{21}\,\mathcal{A}_{\$[4]}^4 - 3\,205\,740\,T^{22}\,\mathcal{A}_{\$[4]}^4 + 1\,779\,250\,T^{23}\,\mathcal{A}_{\$[4]}^4 - \\
& 810\,830\,T^{24}\,\mathcal{A}_{\$[4]}^4 + 298\,738\,T^{25}\,\mathcal{A}_{\$[4]}^4 - 84\,837\,T^{26}\,\mathcal{A}_{\$[4]}^4 + 16\,474\,T^{27}\,\mathcal{A}_{\$[4]}^4 - 1413\,T^{28}\,\mathcal{A}_{\$[4]}^4 - 288\,T^2\,\mathcal{A}_{\$[5]} + 6336\,T^3\,\mathcal{A}_{\$[5]} - \\
& 65\,088\,T^4\,\mathcal{A}_{\$[5]} + 412\,134\,T^5\,\mathcal{A}_{\$[5]} - 1\,772\,294\,T^6\,\mathcal{A}_{\$[5]} + 5\,258\,318\,T^7\,\mathcal{A}_{\$[5]} - 9\,620\,178\,T^8\,\mathcal{A}_{\$[5]} + 1\,850\,054\,T^9\,\mathcal{A}_{\$[5]} + \\
& 60\,328\,546\,T^{10}\,\mathcal{A}_{\$[5]} - 264\,170\,016\,T^{11}\,\mathcal{A}_{\$[5]} + 730\,698\,708\,T^{12}\,\mathcal{A}_{\$[5]} - 1\,552\,881\,222\,T^{13}\,\mathcal{A}_{\$[5]} + 2\,696\,329\,854\,T^{14}\,\mathcal{A}_{\$[5]} - \\
& 3\,931\,102\,102\,T^{15}\,\mathcal{A}_{\$[5]} + 4\,878\,264\,478\,T^{16}\,\mathcal{A}_{\$[5]} - 5\,184\,837\,188\,T^{17}\,\mathcal{A}_{\$[5]} + 4\,725\,757\,388\,T^{18}\,\mathcal{A}_{\$[5]} - 3\,683\,000\,712\,T^{19}\,\mathcal{A}_{\$[5]} + \\
& 2\,436\,588\,948\,T^{20}\,\mathcal{A}_{\$[5]} - 1\,351\,413\,000\,T^{21}\,\mathcal{A}_{\$[5]} + 616\,006\,584\,T^{22}\,\mathcal{A}_{\$[5]} - 223\,546\,938\,T^{23}\,\mathcal{A}_{\$[5]} + 61\,176\,430\,T^{24}\,\mathcal{A}_{\$[5]} - \\
& 11\,336\,392\,T^{25}\,\mathcal{A}_{\$[5]} + 1\,040\,872\,T^{26}\,\mathcal{A}_{\$[5]} + 39\,432\,T^{27}\,\mathcal{A}_{\$[5]} - 12\,664\,T^{28}\,\mathcal{A}_{\$[5]} - 264\,T^5\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 3384\,T^6\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - \\
& 8616\,T^7\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - 131\,672\,T^8\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 1\,587\,608\,T^9\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - 9\,543\,624\,T^{10}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 39\,510\,208\,T^{11}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - \\
& 124\,429\,200\,T^{12}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 312\,753\,816\,T^{13}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - 644\,854\,600\,T^{14}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 1\,108\,983\,880\,T^{15}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - \\
& 1\,606\,486\,264\,T^{16}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 1\,969\,850\,144\,T^{17}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - 2\,045\,589\,152\,T^{18}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 1\,791\,930\,192\,T^{19}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - \\
& 1\,311\,990\,080\,T^{20}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 789\,657\,552\,T^{21}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - 379\,617\,648\,T^{22}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 138\,145\,928\,T^{23}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - \\
& 33\,617\,480\,T^{24}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 3\,178\,160\,T^{25}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + 1\,034\,800\,T^{26}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - 409\,696\,T^{27}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} + \\
& 42\,624\,T^{28}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]} - 8\,T^7\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 352\,T^8\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - 7184\,T^9\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 79\,144\,T^{10}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - \\
& 545\,632\,T^{11}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 2\,602\,272\,T^{12}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - 9\,173\,776\,T^{13}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 25\,012\,880\,T^{14}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - \\
& 54\,394\,752\,T^{15}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 96\,119\,688\,T^{16}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - 139\,062\,640\,T^{17}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 164\,277\,408\,T^{18}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - \\
& 156\,284\,096\,T^{19}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 115\,948\,832\,T^{20}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - 61\,900\,368\,T^{21}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 17\,344\,928\,T^{22}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + \\
& 5\,589\,560\,T^{23}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - 10\,025\,352\,T^{24}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 6\,303\,800\,T^{25}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - 2\,334\,488\,T^{26}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + \\
& 491\,624\,T^{27}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} - 42\,192\,T^{28}\,\mathcal{A}_{\$[4]}^2\,\mathcal{A}_{\$[5]} + 1872\,T^{10}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - 30\,264\,T^{11}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 229\,320\,T^{12}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - \\
& 1\,076\,016\,T^{13}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 3\,521\,360\,T^{14}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - 8\,662\,912\,T^{15}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 16\,964\,576\,T^{16}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - \\
& 27\,629\,456\,T^{17}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 38\,451\,960\,T^{18}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - 46\,163\,816\,T^{19}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 47\,683\,968\,T^{20}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - \\
& 42\,045\,376\,T^{21}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 31\,330\,688\,T^{22}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - 19\,467\,272\,T^{23}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 9\,873\,296\,T^{24}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - \\
& 3\,934\,568\,T^{25}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 1\,147\,192\,T^{26}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} - 211\,168\,T^{27}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 16\,616\,T^{28}\,\mathcal{A}_{\$[4]}^3\,\mathcal{A}_{\$[5]} + 216\,T^9\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - \\
& 3672\,T^{10}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + 29\,376\,T^{11}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 145\,152\,T^{12}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + 498\,296\,T^{13}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 1\,287\,040\,T^{14}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + \\
& 2\,678\,576\,T^{15}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 4\,755\,776\,T^{16}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + 7\,434\,618\,T^{17}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 10\,230\,490\,T^{18}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + \\
& 12\,163\,446\,T^{19}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 12\,255\,178\,T^{20}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + 10\,323\,720\,T^{21}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 7\,204\,336\,T^{22}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + \\
& 4\,127\,034\,T^{23}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 1\,912\,466\,T^{24}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + 695\,684\,T^{25}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 186\,348\,T^{26}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} + 31\,802\,T^{27}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - \\
& 2310\,T^{28}\,\mathcal{A}_{\$[4]}^4\,\mathcal{A}_{\$[5]} - 3\,T^2\,\mathcal{A}_{\$[5]}^2 + 136\,T^3\,\mathcal{A}_{\$[5]}^2 - 1429\,T^4\,\mathcal{A}_{\$[5]}^2 + 1674\,T^5\,\mathcal{A}_{\$[5]}^2 + 87\,630\,T^6\,\mathcal{A}_{\$[5]}^2 - 988\,822\,T^7\,\mathcal{A}_{\$[5]}^2 + \\
& 6\,202\,149\,T^8\,\mathcal{A}_{\$[5]}^2 - 27\,537\,506\,T^9\,\mathcal{A}_{\$[5]}^2 + 94\,263\,070\,T^{10}\,\mathcal{A}_{\$[5]}^2 - 259\,918\,294\,T^{11}\,\mathcal{A}_{\$[5]}^2 + 592\,686\,411\,T^{12}\,\mathcal{A}_{\$[5]}^2 - \\
& 1\,136\,598\,344\,T^{13}\,\mathcal{A}_{\$[5]}^2 + 1\,853\,023\,931\,T^{14}\,\mathcal{A}_{\$[5]}^2 - 2\,585\,090\,648\,T^{15}\,\mathcal{A}_{\$[5]}^2 + 3\,095\,359\,779\,T^{16}\,\mathcal{A}_{\$[5]}^2 - 3\,180\,801\,886\,T^{17}\,\mathcal{A}_{\$[5]}^2 + \\
& 2\,795\,746\,172\,T^{18}\,\mathcal{A}_{\$[5]}^2 - 2\,086\,923\,886\,T^{19}\,\mathcal{A}_{\$[5]}^2 + 1\,307\,073\,647\,T^{20}\,\mathcal{A}_{\$[5]}^2 - 673\,420\,366\,T^{21}\,\mathcal{A}_{\$[5]}^2 + 276\,017\,252\,T^{22}\,\mathcal{A}_{\$[5]}^2 - \\
& 84\,460\,414\,T^{23}\,\mathcal{A}_{\$[5]}^2 + 16\,456\,567\,T^{24}\,\mathcal{A}_{\$[5]}^2 - 708\,908\,T^{25}\,\mathcal{A}_{\$[5]}^2 - 627\,016\,T^{26}\,\mathcal{A}_{\$[5]}^2 + 174\,304\,T^{27}\,\mathcal{A}_{\$[5]}^2 - 15\,200\,T^{28}\,\mathcal{A}_{\$[5]}^2 + \\
& 8\,T^5\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - 368\,T^6\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 7896\,T^7\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - 93\,864\,T^8\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 715\,424\,T^9\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - \\
& 3\,841\,512\,T^{10}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 15\,436\,016\,T^{11}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - 48\,312\,352\,T^{12}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 121\,024\,160\,T^{13}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - \\
& 247\,132\,088\,T^{14}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 416\,160\,400\,T^{15}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - 581\,331\,368\,T^{16}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 673\,831\,392\,T^{17}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - \\
& 643\,847\,184\,T^{18}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 498\,125\,904\,T^{19}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 - 299\,103\,328\,T^{20}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 + 123\,901\,784\,T^{21}\,\mathcal{A}_{\$[4]}\,\mathcal{A}_{\$[5]}^2 -
\end{aligned}$$

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$$\begin{aligned}
& 18035464 \, T^{22} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 20114176 \, T^{23} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 19971216 \, T^{24} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 9878960 \, T^{25} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + \\
& 3002376 \, T^{26} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 524600 \, T^{27} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 38688 \, T^{28} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 192 \, T^8 \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 11328 \, T^9 \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - \\
& 165720 \, T^{10} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 1274448 \, T^{11} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 6376872 \, T^{12} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 22952688 \, T^{13} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - \\
& 62925288 \, T^{14} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 136130496 \, T^{15} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 237731532 \, T^{16} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 340305552 \, T^{17} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - \\
& 404033496 \, T^{18} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 402192408 \, T^{19} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 339244308 \, T^{20} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 244585728 \, T^{21} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - \\
& 151182636 \, T^{22} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 79486944 \, T^{23} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 34679436 \, T^{24} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 11963040 \, T^{25} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - \\
& 3001140 \, T^{26} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 470136 \, T^{27} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 - 32148 \, T^{28} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^2 + 4800 \, T^8 \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 88080 \, T^9 \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + \\
& 767376 \, T^{10} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 4231008 \, T^{11} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + 16587976 \, T^{12} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 49220752 \, T^{13} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + \\
& 114761280 \, T^{14} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 215274060 \, T^{15} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + 329881028 \, T^{16} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 417257496 \, T^{17} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + \\
& 439133176 \, T^{18} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 387239852 \, T^{19} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + 287985932 \, T^{20} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 181617196 \, T^{21} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + \\
& 97436036 \, T^{22} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 44370172 \, T^{23} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + 16904884 \, T^{24} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 5186756 \, T^{25} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + \\
& 1183628 \, T^{26} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 - 171524 \, T^{27} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + 10780 \, T^{28} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^2 + 1080 \, T^7 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 20808 \, T^8 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + \\
& 190944 \, T^9 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 1111416 \, T^{10} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + 4607280 \, T^{11} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 14470884 \, T^{12} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + \\
& 35747784 \, T^{13} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 71125285 \, T^{14} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + 115751284 \, T^{15} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 155677797 \, T^{16} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + \\
& 174303378 \, T^{17} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 163404997 \, T^{18} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + 128893482 \, T^{19} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 85899142 \, T^{20} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + \\
& 48516152 \, T^{21} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 23259412 \, T^{22} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + 9444944 \, T^{23} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 3208674 \, T^{24} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + \\
& 880126 \, T^{25} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 180078 \, T^{26} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + 23290 \, T^{27} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 - 1251 \, T^{28} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^2 + 56 \, T^4 \, \mathcal{A}_{\$[5]}^3 - 1632 \, T^5 \, \mathcal{A}_{\$[5]}^3 + \\
& 21888 \, T^6 \, \mathcal{A}_{\$[5]}^3 - 182252 \, T^7 \, \mathcal{A}_{\$[5]}^3 + 1067108 \, T^8 \, \mathcal{A}_{\$[5]}^3 - 4704256 \, T^9 \, \mathcal{A}_{\$[5]}^3 + 16292608 \, T^{10} \, \mathcal{A}_{\$[5]}^3 - 45601812 \, T^{11} \, \mathcal{A}_{\$[5]}^3 + \\
& 105164028 \, T^{12} \, \mathcal{A}_{\$[5]}^3 - 202470192 \, T^{13} \, \mathcal{A}_{\$[5]}^3 + 328166880 \, T^{14} \, \mathcal{A}_{\$[5]}^3 - 449628308 \, T^{15} \, \mathcal{A}_{\$[5]}^3 + 520610660 \, T^{16} \, \mathcal{A}_{\$[5]}^3 - \\
& 506516016 \, T^{17} \, \mathcal{A}_{\$[5]}^3 + 408434352 \, T^{18} \, \mathcal{A}_{\$[5]}^3 - 265316624 \, T^{19} \, \mathcal{A}_{\$[5]}^3 + 130264848 \, T^{20} \, \mathcal{A}_{\$[5]}^3 - 39514652 \, T^{21} \, \mathcal{A}_{\$[5]}^3 - \\
& 1857388 \, T^{22} \, \mathcal{A}_{\$[5]}^3 + 10738236 \, T^{23} \, \mathcal{A}_{\$[5]}^3 - 7179756 \, T^{24} \, \mathcal{A}_{\$[5]}^3 + 2820364 \, T^{25} \, \mathcal{A}_{\$[5]}^3 - 704564 \, T^{26} \, \mathcal{A}_{\$[5]}^3 + 102968 \, T^{27} \, \mathcal{A}_{\$[5]}^3 - \\
& 6544 \, T^{28} \, \mathcal{A}_{\$[5]}^3 - 1464 \, T^7 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 27816 \, T^8 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - 251904 \, T^9 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 1443680 \, T^{10} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - \\
& 5873592 \, T^{11} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 18075720 \, T^{12} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - 43881600 \, T^{13} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 86789288 \, T^{14} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - \\
& 143844488 \, T^{15} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 205121328 \, T^{16} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - 257443680 \, T^{17} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 288217352 \, T^{18} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - \\
& 287486448 \, T^{19} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 251770160 \, T^{20} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - 189453976 \, T^{21} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 119694712 \, T^{22} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - \\
& 61945752 \, T^{23} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 25458664 \, T^{24} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - 7937672 \, T^{25} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 1742840 \, T^{26} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - \\
& 235008 \, T^{27} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 + 14024 \, T^{28} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^3 - 1440 \, T^6 \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + 28368 \, T^7 \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 266112 \, T^8 \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + \\
& 1574496 \, T^9 \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 6575512 \, T^{10} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + 20602416 \, T^{11} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 50385048 \, T^{12} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + \\
& 99178300 \, T^{13} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 161838764 \, T^{14} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + 226459468 \, T^{15} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 282381756 \, T^{16} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + \\
& 323999428 \, T^{17} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 344599468 \, T^{18} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + 332391328 \, T^{19} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 280878936 \, T^{20} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + \\
& 201751680 \, T^{21} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 120525584 \, T^{22} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + 58746056 \, T^{23} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 22765960 \, T^{24} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + \\
& 6718640 \, T^{25} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 1400560 \, T^{26} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 + 178876 \, T^{27} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 9916 \, T^{28} \, \mathcal{A}_{\$[4]}^2 \, \mathcal{A}_{\$[5]}^3 - 432 \, T^5 \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + \\
& 8256 \, T^6 \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 73920 \, T^7 \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 404400 \, T^8 \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 1472208 \, T^9 \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 3574560 \, T^{10} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - \\
& 5011152 \, T^{11} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 341040 \, T^{12} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 21657208 \, T^{13} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 61709736 \, T^{14} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + \\
& 105118344 \, T^{15} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 121188232 \, T^{16} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 88517320 \, T^{17} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 19312376 \, T^{18} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - \\
& 47247568 \, T^{19} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 78627888 \, T^{20} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 72226288 \, T^{21} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 47391216 \, T^{22} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - \\
& 23600448 \, T^{23} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 8979632 \, T^{24} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 2535280 \, T^{25} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 494576 \, T^{26} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - \\
& 57416 \, T^{27} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 + 2696 \, T^{28} \, \mathcal{A}_{\$[4]}^3 \, \mathcal{A}_{\$[5]}^3 - 288 \, T^5 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 6336 \, T^6 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 67968 \, T^7 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + \\
& 468912 \, T^8 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 2317416 \, T^9 \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 8675160 \, T^{10} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 25422024 \, T^{11} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + \\
& 59524680 \, T^{12} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 112757448 \, T^{13} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 173909784 \, T^{14} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 218612064 \, T^{15} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + \\
& 222934128 \, T^{16} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 182173536 \, T^{17} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 116155584 \, T^{18} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 54137912 \, T^{19} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + \\
& 14472952 \, T^{20} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 2198032 \, T^{21} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 5126336 \, T^{22} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 3315688 \, T^{23} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - \\
& 1368296 \, T^{24} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 385600 \, T^{25} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 70352 \, T^{26} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + 7000 \, T^{27} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 - 216 \, T^{28} \, \mathcal{A}_{\$[4]}^4 \, \mathcal{A}_{\$[5]}^3 + \\
& 30 \, T^5 \, \mathcal{A}_{\$[5]}^4 - 690 \, T^6 \, \mathcal{A}_{\$[5]}^4 + 7650 \, T^7 \, \mathcal{A}_{\$[5]}^4 - 54290 \, T^8 \, \mathcal{A}_{\$[5]}^4 + 277130 \, T^9 \, \mathcal{A}_{\$[5]}^4 - 1086096 \, T^{10} \, \mathcal{A}_{\$[5]}^4 + 3408906 \, T^{11} \, \mathcal{A}_{\$[5]}^4 - \\
& 8822887 \, T^{12} \, \mathcal{A}_{\$[5]}^4 + 19213698 \, T^{13} \, \mathcal{A}_{\$[5]}^4 - 35664846 \, T^{14} \, \mathcal{A}_{\$[5]}^4 + 56826280 \, T^{15} \, \mathcal{A}_{\$[5]}^4 - 77910028 \, T^{16} \, \mathcal{A}_{\$[5]}^4 + \\
& 91849376 \, T^{17} \, \mathcal{A}_{\$[5]}^4 - 92894261 \, T^{18} \, \mathcal{A}_{\$[5]}^4 + 80375380 \, T^{19} \, \mathcal{A}_{\$[5]}^4 - 59325026 \, T^{20} \, \mathcal{A}_{\$[5]}^4 + 37202732 \, T^{21} \, \mathcal{A}_{\$[5]}^4 - \\
& 19656758 \, T^{22} \, \mathcal{A}_{\$[5]}^4 + 8601334 \, T^{23} \, \mathcal{A}_{\$[5]}^4 - 3022074 \, T^{24} \, \mathcal{A}_{\$[5]}^4 + 811322 \, T^{25} \, \mathcal{A}_{\$[5]}^4 - 153965 \, T^{26} \, \mathcal{A}_{\$[5]}^4 + 18034 \, T^{27} \, \mathcal{A}_{\$[5]}^4 - \\
& 951 \, T^{28} \, \mathcal{A}_{\$[5]}^4 + 48 \, T^4 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 - 1272 \, T^5 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 + 16008 \, T^6 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 - 127328 \, T^7 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 + 721672 \, T^8 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 - \\
& 3118976 \, T^9 \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 + 10736232 \, T^{10} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 - 30309962 \, T^{11} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 + 71551022 \, T^{12} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 - \\
& 142900128 \, T^{13} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 + 242865212 \, T^{14} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 - 351783844 \, T^{15} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 + 433729128 \, T^{16} \, \mathcal{A}_{\$[4]} \, \mathcal{A}_{\$[5]}^4 -
\end{aligned}$$

»

$$\begin{aligned}
& 454\,031\,738\,T^{17}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 402\,626\,322\,T^{18}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 302\,405\,704\,T^{19}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 193\,032\,460\,T^{20}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 105\,414\,132\,T^{21}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 49\,485\,344\,T^{22}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 19\,817\,364\,T^{23}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 6\,564\,120\,T^{24}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 1\,695\,626\,T^{25}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 312\,018\,T^{26}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 35\,270\,T^{27}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 1\,758\,T^{28}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 324\,T^4\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + \\
& 7704\,T^5\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 87\,912\,T^6\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 644\,184\,T^7\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 3\,414\,420\,T^8\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 13\,953\,744\,T^9\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - \\
& 45\,675\,949\,T^{10}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 122\,608\,760\,T^{11}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 273\,755\,167\,T^{12}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 512\,424\,634\,T^{13}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - \\
& 806\,859\,120\,T^{14}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 1\,068\,840\,314\,T^{15}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 1\,188\,408\,661\,T^{16}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 1\,104\,683\,698\,T^{17}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - \\
& 854\,666\,761\,T^{18}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 548\,759\,818\,T^{19}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 293\,074\,580\,T^{20}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 131\,823\,382\,T^{21}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - \\
& 51\,171\,982\,T^{22}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 17\,533\,158\,T^{23}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 5\,233\,853\,T^{24}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 1\,268\,566\,T^{25}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - \\
& 221\,524\,T^{26}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 23\,302\,T^{27}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 1011\,T^{28}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 312\,T^3\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 7752\,T^4\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - \\
& 92\,928\,T^5\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 716\,880\,T^6\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 3\,999\,624\,T^7\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 17\,176\,680\,T^8\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 58\,952\,640\,T^9\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 165\,593\,712\,T^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 386\,505\,600\,T^{11}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 756\,614\,688\,T^{12}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 1\,248\,399\,576\,T^{13}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 1\,738\,848\,312\,T^{14}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 2\,041\,821\,336\,T^{15}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 2\,013\,380\,904\,T^{16}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 1\,656\,832\,336\,T^{17}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 1\,128\,531\,328\,T^{18}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 630\,393\,552\,T^{19}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 286\,527\,888\,T^{20}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 105\,938\,328\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 32\,485\,704\,T^{22}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 8\,676\,288\,T^{23}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 2\,112\,528\,T^{24}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 447\,936\,T^{25}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 70\,144\,T^{26}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 6232\,T^{27}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 168\,T^{28}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 3\,\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 96\,T\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 1560\,T^2\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + \\
& 16\,704\,T^3\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 130\,191\,T^4\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 779\,544\,T^5\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 3\,712\,932\,T^6\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 14\,413\,752\,T^7\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 46\,411\,767\,T^8\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 125\,526\,864\,T^9\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 287\,682\,240\,T^{10}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 561\,853\,128\,T^{11}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 937\,977\,552\,T^{12}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 1\,339\,489\,824\,T^{13}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 1\,633\,960\,104\,T^{14}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 1\,696\,500\,264\,T^{15}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 1\,490\,669\,188\,T^{16}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 1\,099\,531\,604\,T^{17}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 673\,598\,644\,T^{18}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 338\,175\,540\,T^{19}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 136\,951\,134\,T^{20}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 44\,029\,200\,T^{21}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 11\,151\,300\,T^{22}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 2\,277\,624\,T^{23}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 406\,734\,T^{24}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 67\,444\,T^{25}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 8804\,T^{26}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 556\,T^{27}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 9\,T^{28}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4)
\end{aligned}$$

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$$\begin{aligned}
& \frac{1}{(1 - 4\,T + 6\,T^2 - 5\,T^3 + T^4)^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4} \left((-1 + T)\,T^2\hbar^7 \left(-4 + 92\,T - 898\,T^2 + 4066\,T^3 + 3357\,T^4 - 187\,617\,T^5 + 1\,541\,767\,T^6 - \right. \right. \\
& 8\,106\,934\,T^7 + 32\,144\,950\,T^8 - 102\,089\,556\,T^9 + 267\,310\,171\,T^{10} - 584\,906\,852\,T^{11} + 1\,071\,491\,959\,T^{12} - 1\,622\,279\,231\,T^{13} + \\
& 1\,943\,493\,692\,T^{14} - 1\,581\,574\,873\,T^{15} + 108\,959\,264\,T^{16} + 2\,582\,648\,574\,T^{17} - 6\,060\,781\,476\,T^{18} + 9\,404\,912\,570\,T^{19} - \\
& 11\,580\,371\,410\,T^{20} + 11\,938\,416\,862\,T^{21} - 10\,524\,283\,081\,T^{22} + 7\,997\,376\,371\,T^{23} - 5\,243\,287\,367\,T^{24} + 2\,953\,474\,330\,T^{25} - \\
& 1\,416\,662\,573\,T^{26} + 570\,475\,266\,T^{27} - 188\,838\,264\,T^{28} + 49\,813\,386\,T^{29} - 9\,992\,414\,T^{30} + 1\,414\,895\,T^{31} - 124\,146\,T^{32} + 5004\,T^{33} + \\
& 9\,T^3\mathcal{A}_{\$[4]} - 269\,T^4\mathcal{A}_{\$[4]} + 3782\,T^5\mathcal{A}_{\$[4]} - 33\,312\,T^6\mathcal{A}_{\$[4]} + 205\,992\,T^7\mathcal{A}_{\$[4]} - 945\,388\,T^8\mathcal{A}_{\$[4]} + 3\,290\,791\,T^9\mathcal{A}_{\$[4]} - \\
& 8\,551\,989\,T^{10}\mathcal{A}_{\$[4]} + 14\,863\,482\,T^{11}\mathcal{A}_{\$[4]} - 6\,440\,426\,T^{12}\mathcal{A}_{\$[4]} - 66\,833\,230\,T^{13}\mathcal{A}_{\$[4]} + 311\,839\,613\,T^{14}\mathcal{A}_{\$[4]} - \\
& 892\,634\,194\,T^{15}\mathcal{A}_{\$[4]} + 1\,977\,527\,272\,T^{16}\mathcal{A}_{\$[4]} - 3\,625\,680\,475\,T^{17}\mathcal{A}_{\$[4]} + 5\,663\,294\,884\,T^{18}\mathcal{A}_{\$[4]} - 7\,648\,187\,503\,T^{19}\mathcal{A}_{\$[4]} + \\
& 8\,999\,166\,668\,T^{20}\mathcal{A}_{\$[4]} - 9\,257\,669\,036\,T^{21}\mathcal{A}_{\$[4]} + 8\,329\,640\,169\,T^{22}\mathcal{A}_{\$[4]} - 6\,540\,513\,288\,T^{23}\mathcal{A}_{\$[4]} + 4\,460\,425\,780\,T^{24}\mathcal{A}_{\$[4]} - \\
& 2\,621\,760\,222\,T^{25}\mathcal{A}_{\$[4]} + 1\,313\,436\,401\,T^{26}\mathcal{A}_{\$[4]} - 552\,015\,324\,T^{27}\mathcal{A}_{\$[4]} + 190\,321\,600\,T^{28}\mathcal{A}_{\$[4]} - 52\,117\,724\,T^{29}\mathcal{A}_{\$[4]} + \\
& 10\,801\,475\,T^{30}\mathcal{A}_{\$[4]} - 1\,569\,968\,T^{31}\mathcal{A}_{\$[4]} + 140\,301\,T^{32}\mathcal{A}_{\$[4]} - 5714\,T^{33}\mathcal{A}_{\$[4]} - 40\,T^6\mathcal{A}_{\$[4]}^2 + 1122\,T^7\mathcal{A}_{\$[4]}^2 - \\
& 15\,100\,T^8\mathcal{A}_{\$[4]}^2 + 130\,256\,T^9\mathcal{A}_{\$[4]}^2 - 811\,806\,T^{10}\mathcal{A}_{\$[4]}^2 + 3\,905\,478\,T^{11}\mathcal{A}_{\$[4]}^2 - 15\,122\,769\,T^{12}\mathcal{A}_{\$[4]}^2 + 48\,490\,038\,T^{13}\mathcal{A}_{\$[4]}^2 - \\
& 131\,348\,520\,T^{14}\mathcal{A}_{\$[4]}^2 + 304\,920\,931\,T^{15}\mathcal{A}_{\$[4]}^2 - 612\,969\,913\,T^{16}\mathcal{A}_{\$[4]}^2 + 1\,074\,943\,137\,T^{17}\mathcal{A}_{\$[4]}^2 - 1\,652\,755\,657\,T^{18}\mathcal{A}_{\$[4]}^2 + \\
& 2\,234\,781\,805\,T^{19}\mathcal{A}_{\$[4]}^2 - 2\,660\,902\,400\,T^{20}\mathcal{A}_{\$[4]}^2 + 2\,788\,879\,247\,T^{21}\mathcal{A}_{\$[4]}^2 - 2\,567\,682\,034\,T^{22}\mathcal{A}_{\$[4]}^2 + 2\,068\,562\,496\,T^{23}\mathcal{A}_{\$[4]}^2 - \\
& 1\,449\,416\,470\,T^{24}\mathcal{A}_{\$[4]}^2 + 875\,715\,268\,T^{25}\mathcal{A}_{\$[4]}^2 - 450\,772\,767\,T^{26}\mathcal{A}_{\$[4]}^2 + 194\,425\,707\,T^{27}\mathcal{A}_{\$[4]}^2 - 68\,651\,090\,T^{28}\mathcal{A}_{\$[4]}^2 + \\
& 19\,193\,960\,T^{29}\mathcal{A}_{\$[4]}^2 - 4\,043\,762\,T^{30}\mathcal{A}_{\$[4]}^2 + 593\,924\,T^{31}\mathcal{A}_{\$[4]}^2 - 53\,261\,T^{32}\mathcal{A}_{\$[4]}^2 + 2162\,T^{33}\mathcal{A}_{\$[4]}^2 + 52\,T^8\mathcal{A}_{\$[4]}^3 - \\
& 1276\,T^9\mathcal{A}_{\$[4]}^3 + 14\,970\,T^{10}\mathcal{A}_{\$[4]}^3 - 111\,979\,T^{11}\mathcal{A}_{\$[4]}^3 + 601\,224\,T^{12}\mathcal{A}_{\$[4]}^3 - 2\,473\,666\,T^{13}\mathcal{A}_{\$[4]}^3 + 8\,131\,033\,T^{14}\mathcal{A}_{\$[4]}^3 - \\
& 21\,972\,981\,T^{15}\mathcal{A}_{\$[4]}^3 + 49\,825\,064\,T^{16}\mathcal{A}_{\$[4]}^3 - 96\,209\,844\,T^{17}\mathcal{A}_{\$[4]}^3 + 159\,863\,966\,T^{18}\mathcal{A}_{\$[4]}^3 - 230\,215\,649\,T^{19}\mathcal{A}_{\$[4]}^3 + \\
& 288\,581\,069\,T^{20}\mathcal{A}_{\$[4]}^3 - 315\,499\,268\,T^{21}\mathcal{A}_{\$[4]}^3 + 300\,743\,799\,T^{22}\mathcal{A}_{\$[4]}^3 - 249\,314\,368\,T^{23}\mathcal{A}_{\$[4]}^3 + 178\,838\,954\,T^{24}\mathcal{A}_{\$[4]}^3 - \\
& 110\,127\,610\,T^{25}\mathcal{A}_{\$[4]}^3 + 57\,547\,606\,T^{26}\mathcal{A}_{\$[4]}^3 - 25\,102\,937\,T^{27}\mathcal{A}_{\$[4]}^3 + 8\,930\,304\,T^{28}\mathcal{A}_{\$[4]}^3 - 2\,505\,135\,T^{29}\mathcal{A}_{\$[4]}^3 + \\
& 526\,990\,T^{30}\mathcal{A}_{\$[4]}^3 - 76\,841\,T^{31}\mathcal{A}_{\$[4]}^3 + 6800\,T^{32}\mathcal{A}_{\$[4]}^3 - 271\,T^{33}\mathcal{A}_{\$[4]}^3 + 4\,T\mathcal{A}_{\$[5]} - 68\,T^2\mathcal{A}_{\$[5]} + 246\,T^3\mathcal{A}_{\$[5]} + 4380\,T^4\mathcal{A}_{\$[5]} - \\
& 72\,688\,T^5\mathcal{A}_{\$[5]} + 590\,814\,T^6\mathcal{A}_{\$[5]} - 3\,293\,400\,T^7\mathcal{A}_{\$[5]} + 13\,897\,970\,T^8\mathcal{A}_{\$[5]} - 46\,408\,881\,T^9\mathcal{A}_{\$[5]} + 125\,101\,146\,T^{10}\mathcal{A}_{\$[5]} - \\
& 272\,616\,122\,T^{11}\mathcal{A}_{\$[5]} + 468\,396\,412\,T^{12}\mathcal{A}_{\$[5]} - 575\,906\,317\,T^{13}\mathcal{A}_{\$[5]} + 278\,477\,138\,T^{14}\mathcal{A}_{\$[5]} + 891\,256\,320\,T^{15}\mathcal{A}_{\$[5]} - \\
& 3\,354\,215\,052\,T^{16}\mathcal{A}_{\$[5]} + 7\,156\,666\,724\,T^{17}\mathcal{A}_{\$[5]} - 11\,706\,859\,854\,T^{18}\mathcal{A}_{\$[5]} + 15\,828\,812\,118\,T^{19}\mathcal{A}_{\$[5]} - 18\,220\,309\,740\,T^{20}\mathcal{A}_{\$[5]} + \\
& 18\,093\,220\,941\,T^{21}\mathcal{A}_{\$[5]} - 15\,583\,105\,218\,T^{22}\mathcal{A}_{\$[5]} + 11\,645\,883\,456\,T^{23}\mathcal{A}_{\$[5]} - 7\,527\,129\,848\,T^{24}\mathcal{A}_{\$[5]} + \\
& 4\,178\,594\,044\,T^{25}\mathcal{A}_{\$[5]} - 1\,970\,882\,894\,T^{26}\mathcal{A}_{\$[5]} + 777\,440\,150\,T^{27}\mathcal{A}_{\$[5]} - 250\,775\,616\,T^{28}\mathcal{A}_{\$[5]} + 64\,047\,233\,T^{29}\mathcal{A}_{\$[5]} - \\
& 12\,348\,358\,T^{30}\mathcal{A}_{\$[5]} + 1\,668\,636\,T^{31}\mathcal{A}_{\$[5]} - 138\,950\,T^{32}\mathcal{A}_{\$[5]} + 5298\,T^{33}\mathcal{A}_{\$[5]} + 3\,T^3\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 92\,T^4\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + \\
& 1345\,T^5\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 12\,342\,T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 78\,761\,T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} - 364\,115\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} + 1\,209\,156\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]} -
\end{aligned}$$

$$\begin{aligned}
& 2\,555\,665\,T^{10}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + 726\,498\,T^{11}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + 21\,213\,478\,T^{12}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 112\,500\,000\,T^{13}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + \\
& 377\,863\,057\,T^{14}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 983\,258\,527\,T^{15}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + 2\,110\,733\,456\,T^{16}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 3\,846\,078\,847\,T^{17}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + \\
& 6\,039\,687\,242\,T^{18}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 8\,243\,191\,344\,T^{19}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + 9\,820\,923\,531\,T^{20}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 10\,228\,123\,823\,T^{21}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + \\
& 9\,301\,908\,465\,T^{22}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 7\,362\,385\,923\,T^{23}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + 5\,042\,054\,425\,T^{24}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 2\,961\,921\,518\,T^{25}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + \\
& 1\,474\,355\,148\,T^{26}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 611\,383\,916\,T^{27}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + 206\,263\,376\,T^{28}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 54\,741\,672\,T^{29}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + \\
& 10\,878\,649\,T^{30}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 1\,500\,104\,T^{31}\mathcal{A}_{[4]}\mathcal{A}_{[5]} + 126\,046\,T^{32}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 4796\,T^{33}\mathcal{A}_{[4]}\mathcal{A}_{[5]} - 4\,T^6\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + \\
& 190\,T^7\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 3622\,T^8\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 40\,344\,T^9\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 306\,277\,T^{10}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 1\,723\,622\,T^{11}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 7\,580\,708\,T^{12}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 27\,007\,162\,T^{13}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 79\,925\,450\,T^{14}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 200\,037\,935\,T^{15}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 428\,853\,995\,T^{16}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 794\,693\,152\,T^{17}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 1\,280\,775\,064\,T^{18}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 1\,802\,261\,948\,T^{19}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 2\,218\,407\,226\,T^{20}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 2\,388\,463\,242\,T^{21}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 2\,244\,871\,107\,T^{22}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 1\,834\,461\,620\,T^{23}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 1\,295\,086\,494\,T^{24}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 782\,620\,646\,T^{25}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 399\,638\,017\,T^{26}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 169\,396\,319\,T^{27}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 58\,141\,981\,T^{28}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 15\,600\,646\,T^{29}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 3\,108\,150\,T^{30}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 424\,971\,T^{31}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 34\,959\,T^{32}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 1286\,T^{33}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 5\,T^8\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + T^9\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + 1433\,T^{10}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 21\,402\,T^{11}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + \\
& 169\,962\,T^{12}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 909\,620\,T^{13}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + 3\,610\,011\,T^{14}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 11\,207\,722\,T^{15}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + \\
& 28\,178\,185\,T^{16}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 58\,760\,462\,T^{17}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + 103\,354\,084\,T^{18}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 155\,107\,762\,T^{19}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + \\
& 200\,069\,557\,T^{20}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 222\,664\,601\,T^{21}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + 214\,000\,819\,T^{22}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 177\,256\,946\,T^{23}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + \\
& 125\,908\,331\,T^{24}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 76\,057\,957\,T^{25}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + 38\,587\,576\,T^{26}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 16\,149\,434\,T^{27}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + \\
& 5\,434\,097\,T^{28}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 1\,416\,636\,T^{29}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + 270\,851\,T^{30}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 34\,930\,T^{31}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} + \\
& 2653\,T^{32}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 88\,T^{33}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]} - 3\,T^2\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 80\,T^2\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 1038\,T^3\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 8741\,T^4\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 53\,582\,T^5\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + \\
& 252\,913\,T^6\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 941\,182\,T^7\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 2\,741\,981\,T^8\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 5\,854\,698\,T^9\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 6\,463\,231\,T^{10}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 13\,459\,528\,T^{11}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 105\,970\,454\,T^{12}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 382\,062\,424\,T^{13}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 1\,021\,281\,917\,T^{14}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 2\,231\,887\,243\,T^{15}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 4\,138\,947\,850\,T^{16}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + \\
& 6\,630\,747\,701\,T^{17}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 9\,263\,386\,995\,T^{18}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 11\,339\,655\,002\,T^{19}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 12\,185\,876\,542\,T^{20}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + \\
& 11\,491\,354\,498\,T^{21}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 9\,486\,688\,892\,T^{22}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 6\,826\,431\,376\,T^{23}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 4\,253\,533\,255\,T^{24}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 2\,273\,851\,321\,T^{25}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - \\
& 1\,029\,739\,924\,T^{26}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 388\,293\,939\,T^{27}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 119\,068\,299\,T^{28}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 28\,725\,637\,T^{29}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 5\,197\,233\,T^{30}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + \\
& 655\,145\,T^{31}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 50\,669\,T^{32}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} + 1790\,T^{33}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]} - 3\,T^2\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 79\,T^3\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 988\,T^4\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + \\
& 7708\,T^5\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 40\,955\,T^6\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 147\,071\,T^7\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 282\,507\,T^8\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 452\,422\,T^9\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + \\
& 6\,602\,728\,T^{10}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 33\,404\,908\,T^{11}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 119\,440\,071\,T^{12}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 340\,993\,243\,T^{13}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + \\
& 814\,507\,088\,T^{14}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 1\,666\,644\,897\,T^{15}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 2\,961\,320\,037\,T^{16}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 4\,606\,713\,182\,T^{17}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + \\
& 6\,304\,848\,052\,T^{18}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 7\,610\,415\,568\,T^{19}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 8\,106\,279\,951\,T^{20}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 7\,609\,794\,688\,T^{21}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + \\
& 6\,276\,771\,219\,T^{22}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 4\,526\,033\,491\,T^{23}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 2\,832\,105\,346\,T^{24}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 1\,522\,187\,273\,T^{25}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + \\
& 693\,076\,285\,T^{26}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 262\,387\,586\,T^{27}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 80\,522\,064\,T^{28}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 19\,333\,885\,T^{29}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + \\
& 3\,451\,431\,T^{30}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 423\,974\,T^{31}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 + 31\,457\,T^{32}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 1048\,T^{33}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^2 - 4\,T^4\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + \\
& 120\,T^5\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 1749\,T^6\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 16\,544\,T^7\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 114\,350\,T^8\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 616\,061\,T^9\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - \\
& 2\,693\,319\,T^{10}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 9\,816\,527\,T^{11}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 30\,395\,707\,T^{12}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 81\,032\,325\,T^{13}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - \\
& 187\,774\,068\,T^{14}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 380\,756\,993\,T^{15}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 678\,617\,762\,T^{16}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 1\,065\,841\,155\,T^{17}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - \\
& 1\,476\,701\,851\,T^{18}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 1\,804\,159\,152\,T^{19}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 1\,940\,551\,100\,T^{20}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 1\,832\,034\,983\,T^{21}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - \\
& 1\,511\,144\,386\,T^{22}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 1\,082\,023\,693\,T^{23}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 666\,724\,525\,T^{24}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 349\,489\,814\,T^{25}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - \\
& 153\,488\,395\,T^{26}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 55\,326\,894\,T^{27}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 15\,908\,093\,T^{28}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 3\,501\,556\,T^{29}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - \\
& 554\,614\,T^{30}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 57\,325\,T^{31}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 - 3274\,T^{32}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 71\,T^{33}\mathcal{A}_{[4]}^2\mathcal{A}_{[5]}^2 + 2\,T^6\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 60\,T^7\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + \\
& 870\,T^8\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 8101\,T^9\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 54\,279\,T^{10}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 278\,344\,T^{11}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 1\,135\,733\,T^{12}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - \\
& 3\,785\,647\,T^{13}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 10\,496\,419\,T^{14}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 24\,510\,709\,T^{15}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 48\,611\,110\,T^{16}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - \\
& 82\,353\,444\,T^{17}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 119\,646\,458\,T^{18}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 149\,418\,704\,T^{19}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 160\,479\,752\,T^{20}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - \\
& 147\,962\,837\,T^{21}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 116\,550\,625\,T^{22}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 77\,761\,616\,T^{23}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 43\,340\,453\,T^{24}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - \\
& 19\,738\,092\,T^{25}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 7\,073\,118\,T^{26}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 1\,848\,363\,T^{27}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 281\,163\,T^{28}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 9085\,T^{29}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - \\
& 16\,823\,T^{30}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 4111\,T^{31}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 - 460\,T^{32}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 20\,T^{33}\mathcal{A}_{[4]}^3\mathcal{A}_{[5]}^2 + 2\,T^2\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 36\,T^3\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 192\,T^4\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + \\
& 1153\,T^5\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 27\,095\,T^6\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 240\,716\,T^7\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 1\,428\,536\,T^8\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 6\,441\,398\,T^9\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 23\,386\,793\,T^{10}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + \\
& 70\,712\,838\,T^{11}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 182\,076\,296\,T^{12}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 405\,649\,889\,T^{13}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 791\,273\,420\,T^{14}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 1\,363\,391\,520\,T^{15}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - \\
& 2\,088\,398\,320\,T^{16}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 2\,855\,723\,197\,T^{17}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 3\,492\,994\,597\,T^{18}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 3\,821\,160\,408\,T^{19}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 3\,730\,239\,810\,T^{20}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + \\
& 3\,235\,876\,121\,T^{21}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 2\,479\,308\,742\,T^{22}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 1\,664\,789\,396\,T^{23}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 970\,259\,388\,T^{24}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 485\,043\,919\,T^{25}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - \\
& 204\,950\,663\,T^{26}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 71\,833\,058\,T^{27}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 20\,371\,606\,T^{28}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 + 4\,518\,715\,T^{29}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 - 746\,924\,T^{30}\mathcal{A}_{[4]}\mathcal{A}_{[5]}^3 +
\end{aligned}$$

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$$\begin{aligned}
& 85486 T^{31} \mathcal{A}_{[5]}^3 - 5972 T^{32} \mathcal{A}_{[5]}^3 + 190 T^{33} \mathcal{A}_{[5]}^3 + 10 T^2 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 286 T^3 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 3968 T^4 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - \\
& 35587 T^5 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 231957 T^6 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 1171492 T^7 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 4774454 T^8 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 16154012 T^9 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 46354865 T^{10} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 114775635 T^{11} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 248837777 T^{12} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 478516879 T^{13} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 825362595 T^{14} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 1288234321 T^{15} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 1829499192 T^{16} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 2367125603 T^{17} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 2781915137 T^{18} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 2949940836 T^{19} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 2797140258 T^{20} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 2347615583 T^{21} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 1725692898 T^{22} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 1099145333 T^{23} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 599788041 T^{24} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 276865429 T^{25} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 106437414 T^{26} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 33379922 T^{27} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 8293427 T^{28} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 1562831 T^{29} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + \\
& 208581 T^{30} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 17563 T^{31} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 746 T^{32} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 - 8 T^{33} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^3 + 4 T^3 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 115 T^4 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + \\
& 1648 T^5 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 15658 T^6 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 110419 T^7 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 612817 T^8 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 2771846 T^9 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - \\
& 10453194 T^{10} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 33389165 T^{11} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 91349446 T^{12} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 215782261 T^{13} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - \\
& 442496640 T^{14} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 790403983 T^{15} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 1231618445 T^{16} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 1673631554 T^{17} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - \\
& 1979233022 T^{18} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 2028992911 T^{19} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 1792365770 T^{20} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 1353061700 T^{21} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - \\
& 862882690 T^{22} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 457230756 T^{23} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 196116231 T^{24} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 64865993 T^{25} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - \\
& 14667126 T^{26} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 1189348 T^{27} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 638076 T^{28} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 328433 T^{29} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + \\
& 80724 T^{30} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 11699 T^{31} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 928 T^{32} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 - 30 T^{33} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^3 + 5 T^4 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 141 T^5 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + \\
& 1924 T^6 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 16970 T^7 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 108896 T^8 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 541869 T^9 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 2174016 T^{10} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - \\
& 7213527 T^{11} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 20133685 T^{12} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 47805856 T^{13} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 97249071 T^{14} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - \\
& 170113938 T^{15} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 256073566 T^{16} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 330996650 T^{17} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 365414332 T^{18} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - \\
& 341288722 T^{19} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 265404233 T^{20} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 167019352 T^{21} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 80037398 T^{22} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - \\
& 24148919 T^{23} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 741385 T^{24} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 6321103 T^{25} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 4547761 T^{26} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + \\
& 2038449 T^{27} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 648406 T^{28} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 147823 T^{29} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 23141 T^{30} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + 2240 T^{31} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - \\
& 105 T^{32} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 + T^{33} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^3 - 18 T^4 \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 492 T^5 \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 6516 T^6 \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 55687 T^7 \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 344931 T^8 \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + \\
& 1648401 T^9 \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 6315630 T^{10} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 19896900 T^{11} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 52442039 T^{12} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 117022557 T^{13} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - \\
& 222857498 T^{14} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 364000594 T^{15} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 511143928 T^{16} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 617195767 T^{17} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 639577787 T^{18} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + \\
& 566492739 T^{19} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 426213322 T^{20} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 270091631 T^{21} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 142617338 T^{22} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 61959720 T^{23} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - \\
& 21868733 T^{24} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 6233497 T^{25} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 1463262 T^{26} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 305006 T^{27} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 62408 T^{28} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + \\
& 12049 T^{29} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 1782 T^{30} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 + 158 T^{31} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 6 T^{32} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^3 - 3 T^2 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 57 T^3 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 379 T^4 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - \\
& 423 T^5 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 28538 T^6 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 278029 T^7 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 1685660 T^8 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 7541888 T^9 \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + \\
& 26573751 T^{10} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 76229990 T^{11} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 181419130 T^{12} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 361921419 T^{13} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + \\
& 607616173 T^{14} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 856431713 T^{15} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 1002503447 T^{16} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 949070736 T^{17} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + \\
& 679349772 T^{18} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 286151228 T^{19} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 76664650 T^{20} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 288863002 T^{21} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - \\
& 327512978 T^{22} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 253968259 T^{23} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 151077449 T^{24} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 71338529 T^{25} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - \\
& 26995295 T^{26} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 8166735 T^{27} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 1952622 T^{28} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 360867 T^{29} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - \\
& 49571 T^{30} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 4718 T^{31} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 272 T^{32} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 + 7 T^{33} \mathcal{A}_{[4]} \mathcal{A}_{[5]}^4 - 21 T^2 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 604 T^3 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - \\
& 8433 T^4 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 76020 T^5 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 496278 T^6 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 2493780 T^7 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 10004904 T^8 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + \\
& 32791835 T^9 \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 89041333 T^{10} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 201675286 T^{11} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 380821389 T^{12} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + \\
& 593069648 T^{13} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 738432293 T^{14} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 671556021 T^{15} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 284754747 T^{16} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - \\
& 388745771 T^{17} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 1141588312 T^{18} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 1687052939 T^{19} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 1829770278 T^{20} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - \\
& 1578677215 T^{21} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 1113491788 T^{22} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 647936459 T^{23} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 311148633 T^{24} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - \\
& 122646497 T^{25} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 39270895 T^{26} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 10049118 T^{27} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 2004505 T^{28} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - \\
& 299612 T^{29} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 31362 T^{30} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 2015 T^{31} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 + 57 T^{32} \mathcal{A}_{[4]}^2 \mathcal{A}_{[5]}^4 - 14 T^2 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + \\
& 429 T^3 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 6430 T^4 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 62734 T^5 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 447235 T^6 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 2479192 T^7 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - \\
& 11103697 T^8 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 41218853 T^9 \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 129102124 T^{10} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 345554853 T^{11} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - \\
& 797689696 T^{12} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 1598507048 T^{13} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 2793045520 T^{14} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 4266682929 T^{15} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - \\
& 5705128506 T^{16} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 6676176196 T^{17} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 6827294270 T^{18} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 6084994831 T^{19} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - \\
& 4708157885 T^{20} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 3145854133 T^{21} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 1803067511 T^{22} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 879078120 T^{23} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - \\
& 360768021 T^{24} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 122980087 T^{25} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 34222453 T^{26} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 7592735 T^{27} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - \\
& 1297990 T^{28} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 162057 T^{29} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 13441 T^{30} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 + 603 T^{31} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4 - 7 T^{32} \mathcal{A}_{[4]}^3 \mathcal{A}_{[5]}^4
\end{aligned}$$

» With LeafCount==10689, nC is

$$\frac{1}{16 \left(1 - 4 T + 6 T^2 - 5 T^3 + T^4 \right)^{10} \mathcal{A}_{[4]}^4 \mathcal{A}_{[5]}^4} \hbar^7 \left(1 + 24 T - 1100 T^2 + 16446 T^3 - 142213 T^4 + 811924 T^5 - 3093675 T^6 + \right.$$

$$\begin{aligned}
& 6450612 T^7 + 7600644 T^8 - 136795780 T^9 + 714504113 T^{10} - 2587688484 T^{11} + 7412418158 T^{12} - 17623887852 T^{13} + \\
& 35573990801 T^{14} - 61596156344 T^{15} + 91654029977 T^{16} - 116317497364 T^{17} + 122973066211 T^{18} - 101522194778 T^{19} + \\
& 50954546377 T^{20} + 17625221568 T^{21} - 84530183058 T^{22} + 130318632648 T^{23} - 144705881969 T^{24} + \\
& 130132615672 T^{25} - 98387548398 T^{26} + 63357508322 T^{27} - 34810274394 T^{28} + 16226465684 T^{29} - 6339621539 T^{30} + \\
& 2035605610 T^{31} - 521378055 T^{32} + 101769552 T^{33} - 14069922 T^{34} + 1210652 T^{35} - 48078 T^{36} + 64 T^4 \mathcal{A}_{\$[4]} - \\
& 1408 T^5 \mathcal{A}_{\$[4]} + 12960 T^6 \mathcal{A}_{\$[4]} - 52096 T^7 \mathcal{A}_{\$[4]} - 106096 T^8 \mathcal{A}_{\$[4]} + 2902352 T^9 \mathcal{A}_{\$[4]} - 21835280 T^{10} \mathcal{A}_{\$[4]} + \\
& 108316352 T^{11} \mathcal{A}_{\$[4]} - 407801232 T^{12} \mathcal{A}_{\$[4]} + 1229832736 T^{13} \mathcal{A}_{\$[4]} - 3046433520 T^{14} \mathcal{A}_{\$[4]} + 6255993072 T^{15} \mathcal{A}_{\$[4]} - \\
& 10591127120 T^{16} \mathcal{A}_{\$[4]} + 14342312800 T^{17} \mathcal{A}_{\$[4]} - 14029987264 T^{18} \mathcal{A}_{\$[4]} + 5339471776 T^{19} \mathcal{A}_{\$[4]} + \\
& 14483746448 T^{20} \mathcal{A}_{\$[4]} - 43901518880 T^{21} \mathcal{A}_{\$[4]} + 76106531248 T^{22} \mathcal{A}_{\$[4]} - 101260499184 T^{23} \mathcal{A}_{\$[4]} + \\
& 111161506192 T^{24} \mathcal{A}_{\$[4]} - 103443779360 T^{25} \mathcal{A}_{\$[4]} + 82466925088 T^{26} \mathcal{A}_{\$[4]} - 56446793520 T^{27} \mathcal{A}_{\$[4]} + \\
& 33058593920 T^{28} \mathcal{A}_{\$[4]} - 16426733088 T^{29} \mathcal{A}_{\$[4]} + 6829707616 T^{30} \mathcal{A}_{\$[4]} - 2326748784 T^{31} \mathcal{A}_{\$[4]} + 629662720 T^{32} \mathcal{A}_{\$[4]} - \\
& 129131552 T^{33} \mathcal{A}_{\$[4]} + 18615968 T^{34} \mathcal{A}_{\$[4]} - 1654864 T^{35} \mathcal{A}_{\$[4]} + 67232 T^{36} \mathcal{A}_{\$[4]} - 144 T^7 \mathcal{A}_{\$[4]}^2 + 3736 T^8 \mathcal{A}_{\$[4]}^2 - \\
& 45936 T^9 \mathcal{A}_{\$[4]}^2 + 355248 T^{10} \mathcal{A}_{\$[4]}^2 - 1926208 T^{11} \mathcal{A}_{\$[4]}^2 + 7667704 T^{12} \mathcal{A}_{\$[4]}^2 - 22407280 T^{13} \mathcal{A}_{\$[4]}^2 + 44039888 T^{14} \mathcal{A}_{\$[4]}^2 - \\
& 28935216 T^{15} \mathcal{A}_{\$[4]}^2 - 185755432 T^{16} \mathcal{A}_{\$[4]}^2 + 989330768 T^{17} \mathcal{A}_{\$[4]}^2 - 3050292048 T^{18} \mathcal{A}_{\$[4]}^2 + 7169159776 T^{19} \mathcal{A}_{\$[4]}^2 - \\
& 13838473028 T^{20} \mathcal{A}_{\$[4]}^2 + 22644097664 T^{21} \mathcal{A}_{\$[4]}^2 - 31918436608 T^{22} \mathcal{A}_{\$[4]}^2 + 39087311640 T^{23} \mathcal{A}_{\$[4]}^2 - \\
& 41750719120 T^{24} \mathcal{A}_{\$[4]}^2 + 38926884112 T^{25} \mathcal{A}_{\$[4]}^2 - 31617965680 T^{26} \mathcal{A}_{\$[4]}^2 + 22269173704 T^{27} \mathcal{A}_{\$[4]}^2 - \\
& 13498150216 T^{28} \mathcal{A}_{\$[4]}^2 + 6963165960 T^{29} \mathcal{A}_{\$[4]}^2 - 3008943680 T^{30} \mathcal{A}_{\$[4]}^2 + 1064899720 T^{31} \mathcal{A}_{\$[4]}^2 - 298758892 T^{32} \mathcal{A}_{\$[4]}^2 + \\
& 63271624 T^{33} \mathcal{A}_{\$[4]}^2 - 9360416 T^{34} \mathcal{A}_{\$[4]}^2 + 846888 T^{35} \mathcal{A}_{\$[4]}^2 - 34716 T^{36} \mathcal{A}_{\$[4]}^2 + 480 T^{10} \mathcal{A}_{\$[4]}^3 - 12096 T^{11} \mathcal{A}_{\$[4]}^3 + \\
& 146528 T^{12} \mathcal{A}_{\$[4]}^3 - 1140448 T^{13} \mathcal{A}_{\$[4]}^3 + 6429424 T^{14} \mathcal{A}_{\$[4]}^3 - 28046992 T^{15} \mathcal{A}_{\$[4]}^3 + 98678624 T^{16} \mathcal{A}_{\$[4]}^3 - \\
& 287922592 T^{17} \mathcal{A}_{\$[4]}^3 + 710332800 T^{18} \mathcal{A}_{\$[4]}^3 - 1502268112 T^{19} \mathcal{A}_{\$[4]}^3 + 2750259808 T^{20} \mathcal{A}_{\$[4]}^3 - 4388289728 T^{21} \mathcal{A}_{\$[4]}^3 + \\
& 6129678448 T^{22} \mathcal{A}_{\$[4]}^3 - 7513468416 T^{23} \mathcal{A}_{\$[4]}^3 + 8085811072 T^{24} \mathcal{A}_{\$[4]}^3 - 7629473488 T^{25} \mathcal{A}_{\$[4]}^3 + 6290703408 T^{26} \mathcal{A}_{\$[4]}^3 - \\
& 4507199552 T^{27} \mathcal{A}_{\$[4]}^3 + 2782961664 T^{28} \mathcal{A}_{\$[4]}^3 - 1463449952 T^{29} \mathcal{A}_{\$[4]}^3 + 644675872 T^{30} \mathcal{A}_{\$[4]}^3 - 232417904 T^{31} \mathcal{A}_{\$[4]}^3 + \\
& 66303360 T^{32} \mathcal{A}_{\$[4]}^3 - 14231008 T^{33} \mathcal{A}_{\$[4]}^3 + 2121840 T^{34} \mathcal{A}_{\$[4]}^3 - 192096 T^{35} \mathcal{A}_{\$[4]}^3 + 7824 T^{36} \mathcal{A}_{\$[4]}^3 - 455 T^{12} \mathcal{A}_{\$[4]}^4 + \\
& 10024 T^{13} \mathcal{A}_{\$[4]}^4 - 105600 T^{14} \mathcal{A}_{\$[4]}^4 + 709246 T^{15} \mathcal{A}_{\$[4]}^4 - 3417882 T^{16} \mathcal{A}_{\$[4]}^4 + 12613812 T^{17} \mathcal{A}_{\$[4]}^4 - 37158655 T^{18} \mathcal{A}_{\$[4]}^4 + \\
& 89899310 T^{19} \mathcal{A}_{\$[4]}^4 - 182281449 T^{20} \mathcal{A}_{\$[4]}^4 + 314295792 T^{21} \mathcal{A}_{\$[4]}^4 - 465570188 T^{22} \mathcal{A}_{\$[4]}^4 + 596507196 T^{23} \mathcal{A}_{\$[4]}^4 - \\
& 663568357 T^{24} \mathcal{A}_{\$[4]}^4 + 641648968 T^{25} \mathcal{A}_{\$[4]}^4 - 538562002 T^{26} \mathcal{A}_{\$[4]}^4 + 390760886 T^{27} \mathcal{A}_{\$[4]}^4 - 243330747 T^{28} \mathcal{A}_{\$[4]}^4 + \\
& 128622980 T^{29} \mathcal{A}_{\$[4]}^4 - 56795901 T^{30} \mathcal{A}_{\$[4]}^4 + 20471048 T^{31} \mathcal{A}_{\$[4]}^4 - 5821739 T^{32} \mathcal{A}_{\$[4]}^4 + 1241044 T^{33} \mathcal{A}_{\$[4]}^4 - \\
& 182807 T^{34} \mathcal{A}_{\$[4]}^4 + 16254 T^{35} \mathcal{A}_{\$[4]}^4 - 647 T^{36} \mathcal{A}_{\$[4]}^4 - 64 T^2 \mathcal{A}_{\$[5]} + 1536 T^3 \mathcal{A}_{\$[5]} - 15840 T^4 \mathcal{A}_{\$[5]} + 79424 T^5 \mathcal{A}_{\$[5]} - \\
& 11488 T^6 \mathcal{A}_{\$[5]} - 3051936 T^7 \mathcal{A}_{\$[5]} + 27627136 T^8 \mathcal{A}_{\$[5]} - 154069616 T^9 \mathcal{A}_{\$[5]} + 642551616 T^{10} \mathcal{A}_{\$[5]} - \\
& 2143207056 T^{11} \mathcal{A}_{\$[5]} + 5904574448 T^{12} \mathcal{A}_{\$[5]} - 13661509552 T^{13} \mathcal{A}_{\$[5]} + 26716190912 T^{14} \mathcal{A}_{\$[5]} - 43990841232 T^{15} \mathcal{A}_{\$[5]} + \\
& 59785233936 T^{16} \mathcal{A}_{\$[5]} - 63174633872 T^{17} \mathcal{A}_{\$[5]} + 41150838720 T^{18} \mathcal{A}_{\$[5]} + 14389022496 T^{19} \mathcal{A}_{\$[5]} - \\
& 99195900848 T^{20} \mathcal{A}_{\$[5]} + 194291181840 T^{21} \mathcal{A}_{\$[5]} - 272138745488 T^{22} \mathcal{A}_{\$[5]} + 309084701648 T^{23} \mathcal{A}_{\$[5]} - \\
& 296678915184 T^{24} \mathcal{A}_{\$[5]} + 244694494560 T^{25} \mathcal{A}_{\$[5]} - 174422961712 T^{26} \mathcal{A}_{\$[5]} + 107400973776 T^{27} \mathcal{A}_{\$[5]} - \\
& 56827036672 T^{28} \mathcal{A}_{\$[5]} + 25585128384 T^{29} \mathcal{A}_{\$[5]} - 9655809264 T^{30} \mathcal{A}_{\$[5]} + 2988764144 T^{31} \mathcal{A}_{\$[5]} - 735177904 T^{32} \mathcal{A}_{\$[5]} + \\
& 137135520 T^{33} \mathcal{A}_{\$[5]} - 18026176 T^{34} \mathcal{A}_{\$[5]} + 1468944 T^{35} \mathcal{A}_{\$[5]} - 55136 T^{36} \mathcal{A}_{\$[5]} - 64 T^5 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + \\
& 1024 T^6 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 2912 T^7 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 72608 T^8 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 1081568 T^9 \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 8274368 T^{10} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + \\
& 43737376 T^{11} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 175164576 T^{12} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 553791040 T^{13} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 1404889024 T^{14} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + \\
& 2844298448 T^{15} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 4399480320 T^{16} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 4336961536 T^{17} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 664781824 T^{18} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - \\
& 14678129008 T^{19} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 40172028448 T^{20} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 75117692288 T^{21} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 111766759072 T^{22} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - \\
& 138942612960 T^{23} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 147297432064 T^{24} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 134328290464 T^{25} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + \\
& 105614465952 T^{26} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 71427459760 T^{27} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 41291938240 T^{28} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 20191315488 T^{29} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + \\
& 8221986144 T^{30} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 2725960032 T^{31} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 712281248 T^{32} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 139765632 T^{33} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + \\
& 19102304 T^{34} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} - 1597520 T^{35} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 60736 T^{36} \mathcal{A}_{\$[4]} \mathcal{A}_{\$[5]} + 48 T^7 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 896 T^8 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + \\
& 7072 T^9 \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 27696 T^{10} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 28944 T^{11} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 218272 T^{12} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 778240 T^{13} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - \\
& 3123312 T^{14} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 41107904 T^{15} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 220172256 T^{16} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 813721920 T^{17} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - \\
& 2338374016 T^{18} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 5496283152 T^{19} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 10855533120 T^{20} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 18304805600 T^{21} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - \\
& 26607133552 T^{22} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 33523886848 T^{23} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 36703008640 T^{24} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 34911696096 T^{25} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - \\
& 28774531520 T^{26} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 20441571440 T^{27} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 12412830816 T^{28} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 6365369568 T^{29} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - \\
& 2709892784 T^{30} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 934961888 T^{31} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 252562688 T^{32} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 50767552 T^{33} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - \\
& 7020224 T^{34} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} + 585312 T^{35} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 21856 T^{36} \mathcal{A}_{\$[4]}^2 \mathcal{A}_{\$[5]} - 224 T^{10} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} + 4160 T^{11} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} - \\
& 33120 T^{12} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} + 131328 T^{13} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} - 81280 T^{14} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} - 2270560 T^{15} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} + 16360400 T^{16} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} - \\
& 69807552 T^{17} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} + 221310992 T^{18} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} - 561165568 T^{19} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} + 1178740192 T^{20} \mathcal{A}_{\$[4]}^3 \mathcal{A}_{\$[5]} -
\end{aligned}$$

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$$\begin{aligned}
& 2\,092\,081\,216\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 3\,175\,322\,784\,T^{22}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 4\,151\,313\,184\,T^{23}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 4\,692\,373\,440\,T^{24}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - \\
& 4\,589\,285\,600\,T^{25}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 3\,875\,768\,768\,T^{26}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 2\,812\,344\,032\,T^{27}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 1\,738\,835\,312\,T^{28}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - \\
& 904\,720\,288\,T^{29}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 389\,087\,600\,T^{30}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 134\,809\,632\,T^{31}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 36\,257\,904\,T^{32}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - \\
& 7\,163\,168\,T^{33}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 954\,864\,T^{34}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} - 74\,880\,T^{35}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 2560\,T^{36}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]} + 352\,T^{12}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - \\
& 6112\,T^{13}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 47\,904\,T^{14}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - 217\,600\,T^{15}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 585\,920\,T^{16}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - 629\,760\,T^{17}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - \\
& 2\,066\,272\,T^{18}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 12\,937\,664\,T^{19}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - 39\,162\,224\,T^{20}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 84\,644\,000\,T^{21}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - \\
& 143\,845\,408\,T^{22}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 200\,295\,344\,T^{23}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - 233\,391\,104\,T^{24}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 230\,050\,912\,T^{25}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - \\
& 192\,601\,120\,T^{26}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 136\,781\,232\,T^{27}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - 81\,870\,320\,T^{28}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 40\,796\,400\,T^{29}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - \\
& 16\,590\,912\,T^{30}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 5\,338\,288\,T^{31}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - 1\,294\,064\,T^{32}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 217\,904\,T^{33}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} - \\
& 22\,000\,T^{34}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 976\,T^{35}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]} + 328\,T^4\mathcal{A}_{\$[5]}^2 - 9520\,T^5\mathcal{A}_{\$[5]}^2 + 132\,480\,T^6\mathcal{A}_{\$[5]}^2 - 1\,176\,848\,T^7\mathcal{A}_{\$[5]}^2 + \\
& 7\,486\,848\,T^8\mathcal{A}_{\$[5]}^2 - 36\,209\,888\,T^9\mathcal{A}_{\$[5]}^2 + 137\,555\,044\,T^{10}\mathcal{A}_{\$[5]}^2 - 416\,114\,160\,T^{11}\mathcal{A}_{\$[5]}^2 + 995\,033\,616\,T^{12}\mathcal{A}_{\$[5]}^2 - \\
& 1\,789\,356\,696\,T^{13}\mathcal{A}_{\$[5]}^2 + 1\,938\,849\,688\,T^{14}\mathcal{A}_{\$[5]}^2 + 1\,042\,796\,464\,T^{15}\mathcal{A}_{\$[5]}^2 - 11\,849\,411\,424\,T^{16}\mathcal{A}_{\$[5]}^2 + 36\,665\,113\,112\,T^{17}\mathcal{A}_{\$[5]}^2 - \\
& 80\,358\,438\,180\,T^{18}\mathcal{A}_{\$[5]}^2 + 142\,213\,994\,168\,T^{19}\mathcal{A}_{\$[5]}^2 - 212\,747\,905\,160\,T^{20}\mathcal{A}_{\$[5]}^2 + 274\,756\,437\,456\,T^{21}\mathcal{A}_{\$[5]}^2 - \\
& 309\,629\,594\,836\,T^{22}\mathcal{A}_{\$[5]}^2 + 306\,065\,169\,656\,T^{23}\mathcal{A}_{\$[5]}^2 - 265\,819\,703\,328\,T^{24}\mathcal{A}_{\$[5]}^2 + 202\,629\,803\,392\,T^{25}\mathcal{A}_{\$[5]}^2 - \\
& 135\,094\,816\,796\,T^{26}\mathcal{A}_{\$[5]}^2 + 78\,302\,969\,016\,T^{27}\mathcal{A}_{\$[5]}^2 - 39\,108\,227\,032\,T^{28}\mathcal{A}_{\$[5]}^2 + 16\,623\,939\,304\,T^{29}\mathcal{A}_{\$[5]}^2 - \\
& 5\,913\,079\,996\,T^{30}\mathcal{A}_{\$[5]}^2 + 1\,719\,482\,808\,T^{31}\mathcal{A}_{\$[5]}^2 - 395\,684\,456\,T^{32}\mathcal{A}_{\$[5]}^2 + 68\,736\,600\,T^{33}\mathcal{A}_{\$[5]}^2 - 8\,381\,884\,T^{34}\mathcal{A}_{\$[5]}^2 + \\
& 632\,176\,T^{35}\mathcal{A}_{\$[5]}^2 - 21\,952\,T^{36}\mathcal{A}_{\$[5]}^2 + 48\,T^3\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 1424\,T^4\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 20\,272\,T^5\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 184\,144\,T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + \\
& 1\,195\,728\,T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 5\,880\,992\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 22\,563\,360\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 67\,996\,848\,T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + \\
& 156\,834\,064\,T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 244\,878\,944\,T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 79\,593\,600\,T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 1\,058\,744\,128\,T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - \\
& 4\,632\,716\,288\,T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 12\,888\,259\,024\,T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 28\,334\,034\,080\,T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 52\,522\,404\,816\,T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - \\
& 84\,481\,233\,216\,T^{19}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 119\,674\,747\,360\,T^{20}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 150\,482\,945\,552\,T^{21}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + \\
& 168\,562\,450\,656\,T^{22}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 168\,277\,735\,552\,T^{23}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 149\,419\,429\,376\,T^{24}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - \\
& 117\,508\,532\,256\,T^{25}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 81\,331\,334\,192\,T^{26}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 49\,117\,368\,992\,T^{27}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 25\,592\,756\,512\,T^{28}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - \\
& 11\,338\,877\,712\,T^{29}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 4\,190\,908\,768\,T^{30}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 1\,259\,725\,808\,T^{31}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 297\,361\,488\,T^{32}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - \\
& 52\,432\,528\,T^{33}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 6\,400\,160\,T^{34}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 - 475\,168\,T^{35}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 15\,952\,T^{36}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^2 + 48\,T^6\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 1216\,T^7\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 14\,320\,T^8\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 102\,960\,T^9\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 490\,568\,T^{10}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 1\,489\,696\,T^{11}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + \\
& 1\,673\,752\,T^{12}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 10\,777\,408\,T^{13}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 83\,477\,416\,T^{14}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 351\,471\,328\,T^{15}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 1\,106\,128\,104\,T^{16}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 2\,829\,588\,736\,T^{17}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 6\,100\,831\,280\,T^{18}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 11\,300\,808\,768\,T^{19}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 18\,181\,386\,816\,T^{20}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 25\,563\,249\,056\,T^{21}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 31\,503\,841\,544\,T^{22}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 34\,049\,174\,560\,T^{23}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 32\,225\,366\,072\,T^{24}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 26\,616\,766\,240\,T^{25}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 19\,081\,507\,856\,T^{26}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 11\,780\,691\,264\,T^{27}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 6\,196\,358\,016\,T^{28}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 2\,735\,982\,768\,T^{29}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 993\,930\,872\,T^{30}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 288\,878\,224\,T^{31}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 64\,538\,792\,T^{32}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 10\,442\,976\,T^{33}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 1\,114\,832\,T^{34}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 + 67\,056\,T^{35}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - \\
& 1600\,T^{36}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^2 - 64\,T^8\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 1536\,T^9\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 17\,376\,T^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 123\,504\,T^{11}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - \\
& 617\,680\,T^{12}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 2\,289\,840\,T^{13}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 6\,369\,136\,T^{14}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 12\,721\,152\,T^{15}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - \\
& 14\,142\,896\,T^{16}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 13\,414\,128\,T^{17}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 118\,168\,176\,T^{18}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 363\,089\,744\,T^{19}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + \\
& 788\,160\,960\,T^{20}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 1\,355\,785\,056\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 1\,922\,777\,088\,T^{22}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 2\,285\,155\,792\,T^{23}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + \\
& 2\,289\,141\,744\,T^{24}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 1\,931\,283\,792\,T^{25}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 1\,363\,055\,088\,T^{26}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 793\,646\,096\,T^{27}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + \\
& 371\,746\,912\,T^{28}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 133\,514\,816\,T^{29}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 32\,811\,104\,T^{30}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 3\,280\,176\,T^{31}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - \\
& 1\,191\,248\,T^{32}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 635\,248\,T^{33}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 138\,960\,T^{34}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + 15\,280\,T^{35}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 - 672\,T^{36}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^2 + \\
& 128\,T^{10}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 2864\,T^{11}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 30\,564\,T^{12}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 207\,984\,T^{13}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 1\,016\,864\,T^{14}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - \\
& 3\,811\,304\,T^{15}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 11\,397\,236\,T^{16}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 27\,924\,864\,T^{17}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 57\,164\,600\,T^{18}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - \\
& 99\,414\,784\,T^{19}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 149\,358\,200\,T^{20}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 197\,358\,712\,T^{21}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 233\,478\,384\,T^{22}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - \\
& 250\,660\,352\,T^{23}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 245\,389\,956\,T^{24}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 217\,831\,792\,T^{25}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 172\,962\,544\,T^{26}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - \\
& 120\,693\,312\,T^{27}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 72\,627\,392\,T^{28}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 36\,951\,816\,T^{29}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 15\,550\,072\,T^{30}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - \\
& 5\,267\,032\,T^{31}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 1\,383\,604\,T^{32}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 266\,816\,T^{33}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + 34\,584\,T^{34}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 2576\,T^{35}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 + \\
& 80\,T^{36}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^2 - 480\,T^6\mathcal{A}_{\$[5]}^3 + 14\,416\,T^7\mathcal{A}_{\$[5]}^3 - 209\,760\,T^8\mathcal{A}_{\$[5]}^3 + 1\,972\,544\,T^9\mathcal{A}_{\$[5]}^3 - 13\,488\,656\,T^{10}\mathcal{A}_{\$[5]}^3 + \\
& 71\,527\,360\,T^{11}\mathcal{A}_{\$[5]}^3 - 306\,193\,168\,T^{12}\mathcal{A}_{\$[5]}^3 + 1\,087\,283\,376\,T^{13}\mathcal{A}_{\$[5]}^3 - 3\,265\,028\,640\,T^{14}\mathcal{A}_{\$[5]}^3 + 8\,408\,948\,816\,T^{15}\mathcal{A}_{\$[5]}^3 - \\
& 18\,768\,768\,976\,T^{16}\mathcal{A}_{\$[5]}^3 + 36\,587\,016\,704\,T^{17}\mathcal{A}_{\$[5]}^3 - 62\,641\,975\,056\,T^{18}\mathcal{A}_{\$[5]}^3 + 94\,572\,430\,752\,T^{19}\mathcal{A}_{\$[5]}^3 - \\
& 126\,214\,935\,584\,T^{20}\mathcal{A}_{\$[5]}^3 + 149\,083\,304\,096\,T^{21}\mathcal{A}_{\$[5]}^3 - 155\,852\,417\,888\,T^{22}\mathcal{A}_{\$[5]}^3 + 144\,021\,653\,200\,T^{23}\mathcal{A}_{\$[5]}^3 - \\
& 117\,347\,594\,352\,T^{24}\mathcal{A}_{\$[5]}^3 + 83\,971\,404\,000\,T^{25}\mathcal{A}_{\$[5]}^3 - 52\,475\,184\,640\,T^{26}\mathcal{A}_{\$[5]}^3 + 28\,420\,071\,168\,T^{27}\mathcal{A}_{\$[5]}^3 -
\end{aligned}$$

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$$\begin{aligned}
& 13\,205\,249\,104\,T^{28}\mathcal{A}_{\$[5]}^3 + 5\,194\,366\,640\,T^{29}\mathcal{A}_{\$[5]}^3 - 1\,699\,607\,968\,T^{30}\mathcal{A}_{\$[5]}^3 + 451\,834\,096\,T^{31}\mathcal{A}_{\$[5]}^3 - 94\,490\,592\,T^{32}\mathcal{A}_{\$[5]}^3 + \\
& 14\,840\,864\,T^{33}\mathcal{A}_{\$[5]}^3 - 1\,630\,304\,T^{34}\mathcal{A}_{\$[5]}^3 + 110\,592\,T^{35}\mathcal{A}_{\$[5]}^3 - 3456\,T^{36}\mathcal{A}_{\$[5]}^3 - 32\,T^4\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 736\,T^5\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 6976\,T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 25\,424\,T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 141\,216\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 2\,666\,608\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 20\,843\,280\,T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 112\,487\,392\,T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 470\,716\,864\,T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 1\,606\,963\,904\,T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 4\,605\,122\,976\,T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 11\,281\,246\,064\,T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 23\,917\,998\,944\,T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 44\,271\,075\,152\,T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 71\,979\,734\,800\,T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 103\,236\,038\,224\,T^{19}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 130\,962\,685\,888\,T^{20}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 147\,142\,218\,544\,T^{21}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 146\,428\,084\,208\,T^{22}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 128\,903\,166\,480\,T^{23}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 100\,111\,273\,920\,T^{24}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 68\,294\,479\,216\,T^{25}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 40\,664\,230\,032\,T^{26}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 20\,949\,123\,792\,T^{27}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 9\,229\,409\,216\,T^{28}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 3\,424\,154\,832\,T^{29}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 1\,048\,272\,016\,T^{30}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 257\,664\,592\,T^{31}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 48\,952\,928\,T^{32}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 6\,801\,328\,T^{33}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 634\,160\,T^{34}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 34\,240\,T^{35}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 768\,T^{36}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 64\,T^4\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + \\
& 2048\,T^5\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 31\,904\,T^6\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 322\,368\,T^7\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 2\,374\,720\,T^8\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 13\,589\,648\,T^9\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - \\
& 62\,859\,072\,T^{10}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 241\,416\,800\,T^{11}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 784\,760\,304\,T^{12}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 2\,189\,875\,216\,T^{13}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - \\
& 5\,301\,956\,288\,T^{14}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 11\,227\,869\,728\,T^{15}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 20\,924\,967\,872\,T^{16}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 34\,476\,625\,984\,T^{17}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - \\
& 50\,384\,668\,992\,T^{18}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 65\,448\,897\,152\,T^{19}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 75\,641\,924\,976\,T^{20}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 77\,764\,069\,264\,T^{21}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - \\
& 70\,995\,660\,832\,T^{22}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 57\,361\,531\,264\,T^{23}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 40\,778\,168\,528\,T^{24}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 25\,280\,800\,608\,T^{25}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - \\
& 13\,490\,900\,992\,T^{26}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 6\,080\,400\,320\,T^{27}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 2\,249\,279\,120\,T^{28}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 651\,052\,816\,T^{29}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - \\
& 133\,372\,960\,T^{30}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 13\,389\,856\,T^{31}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 1\,974\,544\,T^{32}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 1\,073\,088\,T^{33}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + \\
& 199\,904\,T^{34}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 18\,496\,T^{35}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 + 688\,T^{36}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^3 - 64\,T^7\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 1936\,T^8\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - \\
& 27\,840\,T^9\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 254\,944\,T^{10}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 1\,677\,840\,T^{11}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 8\,480\,192\,T^{12}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - \\
& 34\,311\,120\,T^{13}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 114\,273\,280\,T^{14}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 319\,439\,792\,T^{15}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 759\,895\,984\,T^{16}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - \\
& 1\,553\,150\,512\,T^{17}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 2\,744\,641\,984\,T^{18}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 4\,207\,280\,576\,T^{19}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 5\,596\,541\,584\,T^{20}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - \\
& 6\,441\,415\,552\,T^{21}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 6\,369\,925\,408\,T^{22}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 5\,342\,398\,768\,T^{23}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 3\,712\,985\,488\,T^{24}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - \\
& 2\,044\,034\,064\,T^{25}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 795\,935\,840\,T^{26}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 122\,058\,848\,T^{27}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 103\,749\,392\,T^{28}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + \\
& 107\,139\,296\,T^{29}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 56\,341\,280\,T^{30}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 20\,061\,584\,T^{31}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 5\,025\,456\,T^{32}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + \\
& 861\,360\,T^{33}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 92\,928\,T^{34}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 5248\,T^{35}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 - 96\,T^{36}\mathcal{A}_{\$[3]}\mathcal{A}_{\$[5]}^3 + 80\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - \\
& 2064\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 25\,712\,T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 206\,320\,T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 1\,199\,520\,T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 5\,385\,280\,T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 19\,421\,360\,T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 57\,767\,808\,T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 144\,379\,040\,T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 307\,368\,880\,T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 563\,205\,136\,T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 895\,572\,560\,T^{19}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 1\,244\,244\,608\,T^{20}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 1\,518\,918\,496\,T^{21}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 1\,636\,396\,528\,T^{22}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 1\,559\,618\,688\,T^{23}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 1\,314\,141\,440\,T^{24}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 974\,261\,120\,T^{25}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 629\,503\,488\,T^{26}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 349\,552\,240\,T^{27}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 163\,787\,072\,T^{28}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 63\,295\,472\,T^{29}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 19\,588\,848\,T^{30}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 4\,659\,376\,T^{31}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 797\,952\,T^{32}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 86\,640\,T^{33}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + 4016\,T^{34}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 + \\
& 160\,T^{35}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - 16\,T^{36}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^3 - T^4\mathcal{A}_{\$[5]}^4 + 40\,T^5\mathcal{A}_{\$[5]}^4 - 780\,T^6\mathcal{A}_{\$[5]}^4 + 9890\,T^7\mathcal{A}_{\$[5]}^4 - 91\,436\,T^8\mathcal{A}_{\$[5]}^4 + \\
& 654\,820\,T^9\mathcal{A}_{\$[5]}^4 - 3\,770\,033\,T^{10}\mathcal{A}_{\$[5]}^4 + 17\,894\,942\,T^{11}\mathcal{A}_{\$[5]}^4 - 71\,317\,136\,T^{12}\mathcal{A}_{\$[5]}^4 + 241\,928\,040\,T^{13}\mathcal{A}_{\$[5]}^4 - \\
& 705\,931\,882\,T^{14}\mathcal{A}_{\$[5]}^4 + 1\,786\,159\,314\,T^{15}\mathcal{A}_{\$[5]}^4 - 3\,942\,824\,203\,T^{16}\mathcal{A}_{\$[5]}^4 + 7\,627\,210\,636\,T^{17}\mathcal{A}_{\$[5]}^4 - 12\,969\,493\,447\,T^{18}\mathcal{A}_{\$[5]}^4 + \\
& 19\,420\,332\,980\,T^{19}\mathcal{A}_{\$[5]}^4 - 25\,623\,219\,626\,T^{20}\mathcal{A}_{\$[5]}^4 + 29\,773\,669\,572\,T^{21}\mathcal{A}_{\$[5]}^4 - 30\,419\,251\,783\,T^{22}\mathcal{A}_{\$[5]}^4 + \\
& 27\,251\,331\,304\,T^{23}\mathcal{A}_{\$[5]}^4 - 21\,322\,709\,250\,T^{24}\mathcal{A}_{\$[5]}^4 + 14\,496\,082\,204\,T^{25}\mathcal{A}_{\$[5]}^4 - 8\,506\,059\,033\,T^{26}\mathcal{A}_{\$[5]}^4 + \\
& 4\,272\,275\,172\,T^{27}\mathcal{A}_{\$[5]}^4 - 1\,817\,677\,032\,T^{28}\mathcal{A}_{\$[5]}^4 + 646\,515\,444\,T^{29}\mathcal{A}_{\$[5]}^4 - 189\,003\,237\,T^{30}\mathcal{A}_{\$[5]}^4 + 44\,402\,772\,T^{31}\mathcal{A}_{\$[5]}^4 - \\
& 8\,127\,639\,T^{32}\mathcal{A}_{\$[5]}^4 + 1\,108\,556\,T^{33}\mathcal{A}_{\$[5]}^4 - 105\,141\,T^{34}\mathcal{A}_{\$[5]}^4 + 6138\,T^{35}\mathcal{A}_{\$[5]}^4 - 165\,T^{36}\mathcal{A}_{\$[5]}^4 + 192\,T^6\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - \\
& 5760\,T^7\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 84\,096\,T^8\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 795\,936\,T^9\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 5\,486\,544\,T^{10}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 29\,332\,080\,T^{11}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + \\
& 126\,441\,488\,T^{12}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 451\,025\,248\,T^{13}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 1\,355\,597\,088\,T^{14}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 3\,477\,595\,216\,T^{15}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + \\
& 7\,685\,076\,848\,T^{16}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 14\,724\,372\,368\,T^{17}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 24\,563\,188\,864\,T^{18}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 35\,762\,375\,056\,T^{19}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + \\
& 45\,475\,988\,640\,T^{20}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 50\,466\,957\,872\,T^{21}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 48\,764\,523\,936\,T^{22}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 40\,869\,945\,248\,T^{23}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + \\
& 29\,546\,846\,880\,T^{24}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 18\,289\,109\,760\,T^{25}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 9\,598\,025\,088\,T^{26}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 4\,215\,216\,880\,T^{27}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + \\
& 1\,521\,864\,688\,T^{28}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 440\,215\,312\,T^{29}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 97\,911\,456\,T^{30}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 15\,485\,840\,T^{31}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + \\
& 1\,403\,824\,T^{32}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 11\,728\,T^{33}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 21\,104\,T^{34}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + 2416\,T^{35}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 - 96\,T^{36}\mathcal{A}_{\$[4]}\mathcal{A}_{\$[5]}^4 + \\
& 20\,T^4\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 480\,T^5\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + 5008\,T^6\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 25\,672\,T^7\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + 4404\,T^8\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + \\
& 1\,042\,144\,T^9\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 9\,809\,460\,T^{10}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + 56\,983\,056\,T^{11}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 248\,066\,764\,T^{12}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + \\
& 865\,864\,560\,T^{13}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 2\,506\,015\,032\,T^{14}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + 6\,133\,105\,960\,T^{15}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 12\,848\,813\,248\,T^{16}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + \\
& 23\,221\,276\,296\,T^{17}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 36\,368\,402\,732\,T^{18}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + 49\,461\,942\,792\,T^{19}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 58\,409\,487\,896\,T^{20}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + \\
& 59\,761\,356\,384\,T^{21}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 52\,746\,578\,668\,T^{22}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 + 39\,884\,681\,712\,T^{23}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 - 25\,573\,774\,016\,T^{24}\mathcal{A}_{\$[2]}\mathcal{A}_{\$[5]}^4 +
\end{aligned}$$

»

$$\begin{aligned}
& 13\,692\,933\,376\,T^{25}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 5\,975\,137\,332\,T^{26}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 2\,033\,742\,808\,T^{27}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 487\,587\,264\,T^{28}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + \\
& 52\,915\,952\,T^{29}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 15\,217\,852\,T^{30}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 9\,592\,336\,T^{31}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 2\,610\,060\,T^{32}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - \\
& 432\,840\,T^{33}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 43\,660\,T^{34}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 - 2\,352\,T^{35}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 48\,T^{36}\mathcal{A}_{\$[4]}^2\mathcal{A}_{\$[5]}^4 + 80\,T^4\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - \\
& 2560\,T^5\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 40\,016\,T^6\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 406\,704\,T^7\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 3\,017\,712\,T^8\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 17\,399\,120\,T^9\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 81\,012\,256\,T^{10}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 312\,538\,128\,T^{11}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 1\,017\,120\,176\,T^{12}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 2\,828\,297\,744\,T^{13}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 6\,781\,934\,016\,T^{14}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 14\,114\,311\,616\,T^{15}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 25\,602\,919\,552\,T^{16}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 40\,576\,150\,944\,T^{17}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 56\,219\,171\,264\,T^{18}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 68\,026\,642\,880\,T^{19}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 71\,685\,430\,368\,T^{20}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 65\,468\,393\,888\,T^{21}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 51\,435\,532\,272\,T^{22}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 34\,384\,148\,464\,T^{23}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 19\,234\,920\,208\,T^{24}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 8\,762\,832\,384\,T^{25}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + \\
& 3\,086\,980\,448\,T^{26}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 735\,841\,136\,T^{27}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 50\,934\,672\,T^{28}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 47\,622\,800\,T^{29}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - \\
& 25\,761\,472\,T^{30}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 7\,234\,784\,T^{31}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 1\,268\,864\,T^{32}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 130\,960\,T^{33}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - \\
& 5504\,T^{34}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - 192\,T^{35}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 + 16\,T^{36}\mathcal{A}_{\$[4]}^3\mathcal{A}_{\$[5]}^4 - \mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 40\,T^4\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 780\,T^2\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + \\
& 9890\,T^3\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 91\,715\,T^4\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 663\,132\,T^5\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 3\,890\,421\,T^6\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 19\,024\,780\,T^7\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 79\,040\,548\,T^8\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 282\,898\,196\,T^9\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 881\,332\,693\,T^{10}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 2\,408\,299\,684\,T^{11}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 5\,804\,863\,815\,T^{12}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 12\,391\,613\,740\,T^{13}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 23\,489\,306\,341\,T^{14}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 39\,596\,155\,258\,T^{15}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 59\,379\,113\,791\,T^{16}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 79\,160\,483\,120\,T^{17}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 93\,649\,075\,828\,T^{18}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 98\,025\,943\,876\,T^{19}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 90\,400\,954\,220\,T^{20}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 73\,024\,732\,880\,T^{21}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 51\,266\,841\,766\,T^{22}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 30\,952\,439\,284\,T^{23}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 15\,838\,066\,762\,T^{24}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 6\,723\,026\,864\,T^{25}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 2\,286\,843\,672\,T^{26}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 582\,864\,392\,T^{27}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - \\
& 92\,264\,059\,T^{28}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 62\,200\,T^{29}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 4\,628\,900\,T^{30}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 1\,332\,346\,T^{31}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + \\
& 180\,894\,T^{32}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 7404\,T^{33}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 - 1079\,T^{34}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + 110\,T^{35}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4 + T^{36}\mathcal{A}_{\$[4]}^4\mathcal{A}_{\$[5]}^4)
\end{aligned}$$

» With LeafCount==11811, nE is

$$\begin{aligned}
& -\left(\hbar^7\left(-67\,T^4 + 1700\,T^5 - 21\,674\,T^6 + 184\,310\,T^7 - 1\,167\,486\,T^8 + 5\,828\,584\,T^9 - 23\,710\,255\,T^{10} + 80\,309\,002\,T^{11} - 229\,911\,884\,T^{12} + \right. \right. \\
& 562\,346\,376\,T^{13} - 1\,184\,302\,622\,T^{14} + 2\,159\,204\,766\,T^{15} - 3\,419\,806\,606\,T^{16} + 4\,713\,323\,064\,T^{17} - 5\,653\,115\,899\,T^{18} + \\
& 5\,890\,799\,010\,T^{19} - 5\,315\,075\,172\,T^{20} + 4\,130\,150\,248\,T^{21} - 2\,743\,006\,222\,T^{22} + 1\,540\,892\,058\,T^{23} - 722\,045\,251\,T^{24} + \\
& 277\,090\,360\,T^{25} - 85\,014\,525\,T^{26} + 20\,217\,696\,T^{27} - 3\,588\,085\,T^{28} + 457\,572\,T^{29} - 41\,891\,T^{30} + 3062\,T^{31} - 169\,T^{32} - \\
& 48\,T^3\mathcal{A}_{\$[0]} + 960\,T^4\mathcal{A}_{\$[0]} - 8432\,T^5\mathcal{A}_{\$[0]} + 39\,450\,T^6\mathcal{A}_{\$[0]} - 70\,746\,T^7\mathcal{A}_{\$[0]} - 341\,322\,T^8\mathcal{A}_{\$[0]} + 3\,279\,836\,T^9\mathcal{A}_{\$[0]} - \\
& 14\,335\,678\,T^{10}\mathcal{A}_{\$[0]} + 41\,631\,770\,T^{11}\mathcal{A}_{\$[0]} - 83\,452\,416\,T^{12}\mathcal{A}_{\$[0]} + 97\,352\,880\,T^{13}\mathcal{A}_{\$[0]} + 36\,533\,014\,T^{14}\mathcal{A}_{\$[0]} - \\
& 512\,159\,640\,T^{15}\mathcal{A}_{\$[0]} + 1\,502\,265\,924\,T^{16}\mathcal{A}_{\$[0]} - 2\,985\,508\,142\,T^{17}\mathcal{A}_{\$[0]} + 4\,622\,214\,678\,T^{18}\mathcal{A}_{\$[0]} - 5\,837\,946\,816\,T^{19}\mathcal{A}_{\$[0]} + \\
& 6\,130\,622\,248\,T^{20}\mathcal{A}_{\$[0]} - 5\,392\,502\,666\,T^{21}\mathcal{A}_{\$[0]} + 3\,977\,268\,694\,T^{22}\mathcal{A}_{\$[0]} - 2\,452\,829\,444\,T^{23}\mathcal{A}_{\$[0]} + \\
& 1\,258\,374\,310\,T^{24}\mathcal{A}_{\$[0]} - 533\,901\,896\,T^{25}\mathcal{A}_{\$[0]} + 186\,472\,010\,T^{26}\mathcal{A}_{\$[0]} - 53\,532\,202\,T^{27}\mathcal{A}_{\$[0]} + 12\,630\,332\,T^{28}\mathcal{A}_{\$[0]} - \\
& 2\,418\,896\,T^{29}\mathcal{A}_{\$[0]} + 354\,564\,T^{30}\mathcal{A}_{\$[0]} - 33\,414\,T^{31}\mathcal{A}_{\$[0]} + 992\,T^{32}\mathcal{A}_{\$[0]} + 96\,T^{33}\mathcal{A}_{\$[0]} - 252\,T^2\mathcal{A}_{\$[0]}^2 + 6120\,T^3\mathcal{A}_{\$[0]}^2 - \\
& 70\,488\,T^4\mathcal{A}_{\$[0]}^2 + 509\,112\,T^5\mathcal{A}_{\$[0]}^2 - 2\,555\,040\,T^6\mathcal{A}_{\$[0]}^2 + 9\,220\,268\,T^7\mathcal{A}_{\$[0]}^2 - 23\,159\,941\,T^8\mathcal{A}_{\$[0]}^2 + 31\,425\,774\,T^9\mathcal{A}_{\$[0]}^2 + \\
& 38\,581\,686\,T^{10}\mathcal{A}_{\$[0]}^2 - 393\,819\,076\,T^{11}\mathcal{A}_{\$[0]}^2 + 1\,431\,211\,696\,T^{12}\mathcal{A}_{\$[0]}^2 - 3\,658\,143\,284\,T^{13}\mathcal{A}_{\$[0]}^2 + 7\,374\,421\,319\,T^{14}\mathcal{A}_{\$[0]}^2 - \\
& 12\,197\,564\,608\,T^{15}\mathcal{A}_{\$[0]}^2 + 16\,795\,335\,987\,T^{16}\mathcal{A}_{\$[0]}^2 - 19\,259\,550\,738\,T^{17}\mathcal{A}_{\$[0]}^2 + 18\,145\,570\,485\,T^{18}\mathcal{A}_{\$[0]}^2 - \\
& 13\,525\,319\,120\,T^{19}\mathcal{A}_{\$[0]}^2 + 7\,149\,404\,883\,T^{20}\mathcal{A}_{\$[0]}^2 - 1\,438\,964\,538\,T^{21}\mathcal{A}_{\$[0]}^2 - 1\,948\,140\,843\,T^{22}\mathcal{A}_{\$[0]}^2 + \\
& 2\,856\,731\,332\,T^{23}\mathcal{A}_{\$[0]}^2 - 2\,248\,094\,631\,T^{24}\mathcal{A}_{\$[0]}^2 + 1\,253\,796\,524\,T^{25}\mathcal{A}_{\$[0]}^2 - 519\,369\,708\,T^{26}\mathcal{A}_{\$[0]}^2 + 157\,167\,216\,T^{27}\mathcal{A}_{\$[0]}^2 - \\
& 31\,836\,838\,T^{28}\mathcal{A}_{\$[0]}^2 + 2\,889\,710\,T^{29}\mathcal{A}_{\$[0]}^2 + 517\,245\,T^{30}\mathcal{A}_{\$[0]}^2 - 236\,276\,T^{31}\mathcal{A}_{\$[0]}^2 + 38\,940\,T^{32}\mathcal{A}_{\$[0]}^2 - 2976\,T^{33}\mathcal{A}_{\$[0]}^2 + \\
& 60\,T^{34}\mathcal{A}_{\$[0]}^2 - 576\,T^3\mathcal{A}_{\$[0]}^3 + 15\,744\,T^2\mathcal{A}_{\$[0]}^3 - 208\,608\,T^3\mathcal{A}_{\$[0]}^3 + 1\,782\,840\,T^4\mathcal{A}_{\$[0]}^3 - 11\,022\,312\,T^5\mathcal{A}_{\$[0]}^3 + \\
& 52\,345\,632\,T^6\mathcal{A}_{\$[0]}^3 - 197\,581\,760\,T^7\mathcal{A}_{\$[0]}^3 + 603\,333\,604\,T^8\mathcal{A}_{\$[0]}^3 - 1\,494\,754\,196\,T^9\mathcal{A}_{\$[0]}^3 + 2\,949\,222\,744\,T^{10}\mathcal{A}_{\$[0]}^3 - \\
& 4\,312\,093\,788\,T^{11}\mathcal{A}_{\$[0]}^3 + 3\,296\,866\,644\,T^{12}\mathcal{A}_{\$[0]}^3 + 4\,644\,380\,824\,T^{13}\mathcal{A}_{\$[0]}^3 - 25\,587\,779\,668\,T^{14}\mathcal{A}_{\$[0]}^3 + \\
& 64\,229\,700\,464\,T^{15}\mathcal{A}_{\$[0]}^3 - 119\,545\,916\,192\,T^{16}\mathcal{A}_{\$[0]}^3 + 181\,797\,480\,640\,T^{17}\mathcal{A}_{\$[0]}^3 - 234\,137\,976\,480\,T^{18}\mathcal{A}_{\$[0]}^3 + \\
& 259\,526\,441\,908\,T^{19}\mathcal{A}_{\$[0]}^3 - 249\,389\,063\,388\,T^{20}\mathcal{A}_{\$[0]}^3 + 208\,245\,770\,796\,T^{21}\mathcal{A}_{\$[0]}^3 - 150\,956\,115\,332\,T^{22}\mathcal{A}_{\$[0]}^3 + \\
& 94\,650\,075\,376\,T^{23}\mathcal{A}_{\$[0]}^3 - 51\,018\,908\,016\,T^{24}\mathcal{A}_{\$[0]}^3 + 23\,434\,999\,328\,T^{25}\mathcal{A}_{\$[0]}^3 - 9\,062\,977\,972\,T^{26}\mathcal{A}_{\$[0]}^3 + \\
& 2\,901\,839\,928\,T^{27}\mathcal{A}_{\$[0]}^3 - 750\,811\,016\,T^{28}\mathcal{A}_{\$[0]}^3 + 151\,054\,508\,T^{29}\mathcal{A}_{\$[0]}^3 - 21\,989\,208\,T^{30}\mathcal{A}_{\$[0]}^3 + 1\,913\,852\,T^{31}\mathcal{A}_{\$[0]}^3 - \\
& 7192\,T^{32}\mathcal{A}_{\$[0]}^3 - 21\,528\,T^{33}\mathcal{A}_{\$[0]}^3 + 2496\,T^{34}\mathcal{A}_{\$[0]}^3 - 96\,T^{35}\mathcal{A}_{\$[0]}^3 - 492\,\mathcal{A}_{\$[0]}^4 + 14\,928\,T\mathcal{A}_{\$[0]}^4 - 222\,384\,T^2\mathcal{A}_{\$[0]}^4 + \\
& 2\,167\,032\,T^3\mathcal{A}_{\$[0]}^4 - 15\,524\,832\,T^4\mathcal{A}_{\$[0]}^4 + 87\,124\,128\,T^5\mathcal{A}_{\$[0]}^4 - 398\,455\,788\,T^6\mathcal{A}_{\$[0]}^4 + 1\,525\,320\,456\,T^7\mathcal{A}_{\$[0]}^4 - \\
& 4\,981\,107\,903\,T^8\mathcal{A}_{\$[0]}^4 + 14\,070\,515\,198\,T^9\mathcal{A}_{\$[0]}^4 - 34\,737\,574\,841\,T^{10}\mathcal{A}_{\$[0]}^4 + 75\,532\,245\,162\,T^{11}\mathcal{A}_{\$[0]}^4 - \\
& 145\,462\,273\,418\,T^{12}\mathcal{A}_{\$[0]}^4 + 249\,091\,130\,030\,T^{13}\mathcal{A}_{\$[0]}^4 - 380\,207\,160\,330\,T^{14}\mathcal{A}_{\$[0]}^4 + 517\,854\,081\,818\,T^{15}\mathcal{A}_{\$[0]}^4 - \\
& 629\,215\,851\,801\,T^{16}\mathcal{A}_{\$[0]}^4 + 680\,827\,771\,158\,T^{17}\mathcal{A}_{\$[0]}^4 - 653\,730\,523\,262\,T^{18}\mathcal{A}_{\$[0]}^4 + 553\,802\,242\,384\,T^{19}\mathcal{A}_{\$[0]}^4 - \\
& 410\,084\,945\,055\,T^{20}\mathcal{A}_{\$[0]}^4 + 261\,432\,273\,418\,T^{21}\mathcal{A}_{\$[0]}^4 - 139\,644\,210\,389\,T^{22}\mathcal{A}_{\$[0]}^4 + 58\,988\,613\,270\,T^{23}\mathcal{A}_{\$[0]}^4 - \\
& 16\,511\,587\,435\,T^{24}\mathcal{A}_{\$[0]}^4 - 59\,271\,834\,T^{25}\mathcal{A}_{\$[0]}^4 + 3\,579\,063\,867\,T^{26}\mathcal{A}_{\$[0]}^4 - 2\,668\,380\,372\,T^{27}\mathcal{A}_{\$[0]}^4 + 1\,281\,331\,461\,T^{28}\mathcal{A}_{\$[0]}^4 -
\end{aligned}$$

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$$\begin{aligned}
& 462\,792\,072\,T^{29}\mathcal{A}_{\$[0]}^4 + 130\,437\,952\,T^{30}\mathcal{A}_{\$[0]}^4 - 28\,775\,928\,T^{31}\mathcal{A}_{\$[0]}^4 + 4\,895\,145\,T^{32}\mathcal{A}_{\$[0]}^4 - 621\,912\,T^{33}\mathcal{A}_{\$[0]}^4 + \\
& 55\,704\,T^{34}\mathcal{A}_{\$[0]}^4 - 3144\,T^{35}\mathcal{A}_{\$[0]}^4 + 84\,T^{36}\mathcal{A}_{\$[0]}^4 - 48\,T^3\mathcal{A}_{\$[4]} + 992\,T^4\mathcal{A}_{\$[4]} - 9946\,T^5\mathcal{A}_{\$[4]} + 69\,278\,T^6\mathcal{A}_{\$[4]} - \\
& 415\,764\,T^7\mathcal{A}_{\$[4]} + 2\,377\,834\,T^8\mathcal{A}_{\$[4]} - 12\,583\,936\,T^9\mathcal{A}_{\$[4]} + 57\,832\,014\,T^{10}\mathcal{A}_{\$[4]} - 223\,470\,190\,T^{11}\mathcal{A}_{\$[4]} + \\
& 722\,380\,294\,T^{12}\mathcal{A}_{\$[4]} - 1\,965\,530\,854\,T^{13}\mathcal{A}_{\$[4]} + 4\,541\,093\,396\,T^{14}\mathcal{A}_{\$[4]} - 8\,980\,558\,282\,T^{15}\mathcal{A}_{\$[4]} + \\
& 15\,299\,054\,414\,T^{16}\mathcal{A}_{\$[4]} - 22\,551\,841\,942\,T^{17}\mathcal{A}_{\$[4]} + 28\,840\,872\,890\,T^{18}\mathcal{A}_{\$[4]} - 32\,030\,757\,934\,T^{19}\mathcal{A}_{\$[4]} + \\
& 30\,874\,592\,266\,T^{20}\mathcal{A}_{\$[4]} - 25\,775\,364\,114\,T^{21}\mathcal{A}_{\$[4]} + 18\,570\,929\,514\,T^{22}\mathcal{A}_{\$[4]} - 11\,488\,899\,060\,T^{23}\mathcal{A}_{\$[4]} + \\
& 6\,061\,483\,272\,T^{24}\mathcal{A}_{\$[4]} - 2\,703\,009\,856\,T^{25}\mathcal{A}_{\$[4]} + 1\,006\,833\,622\,T^{26}\mathcal{A}_{\$[4]} - 308\,313\,066\,T^{27}\mathcal{A}_{\$[4]} + 75\,889\,474\,T^{28}\mathcal{A}_{\$[4]} - \\
& 14\,510\,592\,T^{29}\mathcal{A}_{\$[4]} + 2\,035\,646\,T^{30}\mathcal{A}_{\$[4]} - 188\,240\,T^{31}\mathcal{A}_{\$[4]} + 8998\,T^{32}\mathcal{A}_{\$[4]} - 80\,T^{33}\mathcal{A}_{\$[4]} - 144\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + \\
& 3264\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 34\,896\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 231\,408\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 1\,044\,880\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 3\,268\,752\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 6\,590\,712\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 5\,377\,704\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 11\,844\,672\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 29\,167\,360\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 120\,084\,864\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 992\,353\,728\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 3\,755\,417\,080\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 10\,034\,954\,984\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 21\,034\,613\,944\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 36\,118\,520\,360\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 51\,890\,332\,008\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + \\
& 63\,025\,180\,376\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 64\,967\,419\,576\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 56\,784\,178\,584\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 41\,862\,619\,816\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 25\,770\,874\,680\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 13\,028\,930\,168\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + \\
& 5\,259\,760\,040\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 1\,606\,256\,960\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 322\,276\,032\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 16\,188\,912\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 15\,265\,248\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 6\,305\,944\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 1\,311\,992\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 157\,248\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - \\
& 9360\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} + 144\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]} - 144\,T^2\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 3696\,T^2\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 46\,896\,T^3\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + \\
& 387\,024\,T^4\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 2\,295\,168\,T^5\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 10\,179\,864\,T^6\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 33\,816\,600\,T^7\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + \\
& 79\,303\,160\,T^8\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 94\,098\,784\,T^9\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 187\,454\,040\,T^{10}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 1\,502\,725\,704\,T^{11}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 5\,239\,013\,200\,T^{12}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 13\,090\,559\,360\,T^{13}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 25\,784\,801\,152\,T^{14}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + \\
& 41\,194\,731\,752\,T^{15}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 53\,344\,917\,840\,T^{16}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 54\,207\,049\,496\,T^{17}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 38\,471\,940\,416\,T^{18}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 8\,369\,983\,784\,T^{19}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 25\,811\,919\,448\,T^{20}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 51\,101\,842\,688\,T^{21}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 59\,515\,746\,792\,T^{22}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 52\,062\,063\,952\,T^{23}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + \\
& 36\,351\,504\,120\,T^{24}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 20\,677\,386\,592\,T^{25}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 9\,636\,963\,744\,T^{26}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 3\,677\,047\,600\,T^{27}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 1\,144\,218\,072\,T^{28}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 288\,966\,360\,T^{29}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 58\,905\,344\,T^{30}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 9\,605\,544\,T^{31}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 1\,222\,680\,T^{32}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 113\,352\,T^{33}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} + 6432\,T^{34}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - \\
& 144\,T^{35}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]} - 2976\,T^2\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 77\,520\,T^3\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 976\,944\,T^4\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 7\,922\,880\,T^5\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - \\
& 46\,341\,696\,T^6\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 207\,349\,496\,T^7\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 732\,858\,800\,T^8\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 2\,074\,827\,008\,T^9\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - \\
& 4\,680\,798\,840\,T^{10}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 8\,078\,416\,432\,T^{11}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 9\,033\,151\,496\,T^{12}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 454\,229\,176\,T^{13}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 33\,070\,941\,624\,T^{14}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 101\,432\,120\,864\,T^{15}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 208\,648\,918\,032\,T^{16}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - \\
& 339\,327\,390\,088\,T^{17}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 459\,293\,949\,432\,T^{18}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 528\,558\,957\,136\,T^{19}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 521\,880\,040\,688\,T^{20}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 443\,189\,563\,120\,T^{21}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 323\,008\,013\,592\,T^{22}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - \\
& 200\,772\,194\,104\,T^{23}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 105\,252\,450\,704\,T^{24}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 45\,696\,463\,632\,T^{25}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + \\
& 15\,920\,093\,480\,T^{26}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 4\,172\,377\,464\,T^{27}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 678\,980\,984\,T^{28}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 7\,376\,864\,T^{29}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - \\
& 44\,505\,368\,T^{30}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 15\,198\,480\,T^{31}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 2\,961\,136\,T^{32}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 360\,104\,T^{33}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - \\
& 25\,248\,T^{34}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} + 768\,T^{35}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]} - 1968\,T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 58\,320\,T^2\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 845\,808\,T^3\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + \\
& 8\,001\,024\,T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 55\,499\,856\,T^5\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 300\,835\,440\,T^6\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 1\,325\,761\,008\,T^7\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + \\
& 4\,878\,662\,160\,T^8\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 15\,276\,919\,694\,T^9\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 41\,269\,160\,634\,T^{10}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 97\,148\,933\,472\,T^{11}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + \\
& 200\,746\,498\,658\,T^{12}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 365\,998\,036\,642\,T^{13}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 590\,667\,479\,980\,T^{14}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - \\
& 845\,100\,937\,182\,T^{15}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 1\,071\,749\,007\,368\,T^{16}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 1\,202\,191\,711\,276\,T^{17}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + \\
& 1\,187\,303\,888\,928\,T^{18}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 1\,024\,046\,806\,112\,T^{19}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 760\,480\,066\,786\,T^{20}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - \\
& 473\,579\,842\,822\,T^{21}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 233\,353\,024\,858\,T^{22}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 75\,717\,422\,110\,T^{23}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - \\
& 1\,777\,988\,120\,T^{24}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 24\,754\,914\,476\,T^{25}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 21\,943\,898\,500\,T^{26}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + \\
& 12\,813\,540\,730\,T^{27}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 5\,729\,662\,480\,T^{28}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 2\,039\,887\,776\,T^{29}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 582\,502\,154\,T^{30}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + \\
& 132\,323\,944\,T^{31}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 23\,421\,222\,T^{32}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + 3\,115\,248\,T^{33}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 292\,704\,T^{34}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} + \\
& 17\,280\,T^{35}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 480\,T^{36}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]} - 108\,T^2\mathcal{A}_{\$[4]}^2 + 1992\,T^3\mathcal{A}_{\$[4]}^2 - 14\,712\,T^4\mathcal{A}_{\$[4]}^2 + 38\,132\,T^5\mathcal{A}_{\$[4]}^2 + \\
& 210\,015\,T^6\mathcal{A}_{\$[4]}^2 - 2\,554\,670\,T^7\mathcal{A}_{\$[4]}^2 + 12\,887\,104\,T^8\mathcal{A}_{\$[4]}^2 - 38\,599\,336\,T^9\mathcal{A}_{\$[4]}^2 + 54\,227\,911\,T^{10}\mathcal{A}_{\$[4]}^2 + \\
& 118\,279\,218\,T^{11}\mathcal{A}_{\$[4]}^2 - 1\,052\,509\,087\,T^{12}\mathcal{A}_{\$[4]}^2 + 3\,986\,695\,864\,T^{13}\mathcal{A}_{\$[4]}^2 - 10\,781\,348\,639\,T^{14}\mathcal{A}_{\$[4]}^2 + \\
& 23\,127\,482\,330\,T^{15}\mathcal{A}_{\$[4]}^2 - 40\,979\,771\,850\,T^{16}\mathcal{A}_{\$[4]}^2 + 61\,110\,534\,516\,T^{17}\mathcal{A}_{\$[4]}^2 - 77\,313\,903\,220\,T^{18}\mathcal{A}_{\$[4]}^2 + \\
& 83\,058\,630\,516\,T^{19}\mathcal{A}_{\$[4]}^2 - 75\,333\,749\,812\,T^{20}\mathcal{A}_{\$[4]}^2 + 56\,848\,546\,136\,T^{21}\mathcal{A}_{\$[4]}^2 - 34\,601\,751\,586\,T^{22}\mathcal{A}_{\$[4]}^2 + \\
& 15\,771\,104\,162\,T^{23}\mathcal{A}_{\$[4]}^2 - 4\,090\,704\,141\,T^{24}\mathcal{A}_{\$[4]}^2 - 855\,208\,160\,T^{25}\mathcal{A}_{\$[4]}^2 + 1\,739\,057\,979\,T^{26}\mathcal{A}_{\$[4]}^2 -
\end{aligned}$$

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$$\begin{aligned}
& 1\,155\,694\,462\,T^{27}\mathcal{A}_{\$[4]}^2 + 507\,542\,725\,T^{28}\mathcal{A}_{\$[4]}^2 - 161\,263\,492\,T^{29}\mathcal{A}_{\$[4]}^2 + 37\,314\,968\,T^{30}\mathcal{A}_{\$[4]}^2 - 6\,098\,926\,T^{31}\mathcal{A}_{\$[4]}^2 + \\
& 658\,937\,T^{32}\mathcal{A}_{\$[4]}^2 - 41\,420\,T^{33}\mathcal{A}_{\$[4]}^2 + 1116\,T^{34}\mathcal{A}_{\$[4]}^2 - 48\,T\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 1152\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 13\,200\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 90\,048\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 346\,536\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 120\,936\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 8\,179\,408\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 64\,055\,320\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 304\,634\,864\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 1\,069\,281\,128\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 2\,935\,855\,432\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 6\,414\,566\,776\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 11\,017\,907\,472\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 13\,926\,492\,024\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 9\,449\,688\,896\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 9\,022\,287\,440\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 44\,237\,116\,560\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 90\,236\,905\,504\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 132\,226\,655\,848\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 153\,484\,040\,072\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 145\,473\,216\,320\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 113\,302\,095\,744\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 71\,881\,860\,512\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 36\,170\,117\,120\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 13\,529\,403\,944\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 3\,033\,957\,056\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 180\,889\,816\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 516\,219\,464\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 256\,310\,920\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 78\,045\,344\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 16\,377\,064\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 2\,418\,720\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 249\,048\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 16\,824\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 576\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 720\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 18\,048\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 217\,152\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 1\,652\,976\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 8\,785\,800\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 33\,571\,560\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 88\,378\,236\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 117\,486\,696\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 233\,658\,228\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 2\,081\,620\,224\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 7\,794\,908\,136\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 20\,785\,834\,584\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 43\,640\,561\,940\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 74\,569\,371\,336\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 104\,407\,772\,352\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 118\,027\,422\,408\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 102\,062\,187\,048\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 55\,118\,249\,112\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 7\,888\,149\,720\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 62\,774\,224\,872\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 90\,472\,560\,768\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 87\,573\,976\,152\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 65\,170\,742\,328\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 38\,750\,338\,440\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 18\,616\,482\,516\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 7\,224\,671\,880\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 2\,250\,818\,328\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 557\,155\,056\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 107\,816\,028\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 15\,787\,416\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 1\,610\,220\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 88\,488\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 432\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 240\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 432\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 16\,128\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 266\,016\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 2\,673\,792\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 18\,704\,784\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 97\,735\,536\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 397\,355\,588\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 1\,285\,479\,828\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 3\,331\,223\,836\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 6\,816\,053\,808\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 10\,339\,285\,052\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 8\,703\,201\,052\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 8\,302\,217\,904\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 53\,427\,012\,448\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 134\,278\,305\,324\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 243\,489\,014\,392\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 354\,571\,075\,008\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 430\,325\,333\,844\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 441\,766\,910\,516\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 385\,254\,855\,848\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 284\,623\,896\,552\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 176\,457\,252\,180\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 90\,079\,370\,252\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 36\,466\,530\,128\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 10\,689\,539\,380\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 1\,546\,124\,584\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 445\,742\,148\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 407\,169\,916\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 159\,701\,832\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 41\,411\,624\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 7\,525\,552\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 947\,020\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 78\,864\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 3984\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 96\,T^{36}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 2952\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 85\,392\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 1\,204\,860\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 11\,054\,568\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 74\,161\,212\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 387\,718\,800\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 1\,643\,563\,824\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 5\,801\,767\,848\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 17\,376\,777\,035\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 44\,756\,159\,726\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 100\,094\,533\,102\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 195\,696\,493\,292\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 335\,948\,709\,240\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 507\,511\,049\,848\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 674\,722\,940\,371\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 787\,521\,355\,848\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 802\,375\,194\,315\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 705\,922\,209\,778\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 525\,391\,334\,625\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 316\,754\,767\,864\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 137\,238\,664\,023\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 20\,187\,244\,466\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + \\
& 32\,797\,764\,107\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 41\,638\,732\,836\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 30\,720\,320\,679\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 17\,006\,713\,040\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 7\,499\,062\,408\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 2\,677\,618\,024\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 773\,406\,674\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 178\,521\,610\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 32\,176\,371\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 4\,358\,592\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 416\,160\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - \\
& 24\,864\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 + 696\,T^{36}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^2 - 48\,T\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 1152\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 10\,392\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 21\,392\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 456\,740\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 5\,863\,108\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 39\,996\,884\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 192\,099\,016\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 706\,994\,336\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - \\
& 2\,067\,935\,264\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 4\,870\,544\,580\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 9\,161\,339\,952\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 13\,124\,341\,792\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - \\
& 11\,789\,119\,428\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 2\,604\,348\,992\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 37\,073\,330\,292\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 91\,912\,771\,680\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 156\,244\,209\,088\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 209\,985\,310\,752\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 233\,229\,187\,528\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 217\,554\,271\,824\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 170\,927\,800\,640\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 112\,366\,795\,092\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 60\,709\,961\,964\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 25\,929\,463\,600\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 7\,930\,324\,372\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 1\,099\,309\,740\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 467\,462\,336\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 407\,074\,884\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 165\,356\,592\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 44\,559\,720\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 8\,307\,568\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 1\,034\,904\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 77\,516\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 2632\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 288\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 7728\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 90\,480\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 580\,760\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 1\,818\,976\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 2\,682\,128\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 65\,191\,448\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 415\,263\,976\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 1\,747\,411\,352\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 5\,575\,286\,184\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 14\,167\,668\,048\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 29\,217\,837\,536\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 48\,848\,254\,888\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 -
\end{aligned}$$

$$\begin{aligned}
& 64\,401\,193\,712\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 60\,657\,370\,656\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 22\,701\,210\,576\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - \\
& 52\,372\,686\,128\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 147\,295\,134\,968\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 229\,137\,875\,056\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 266\,709\,003\,752\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 249\,048\,969\,072\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 190\,643\,369\,424\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - \\
& 119\,872\,700\,256\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 61\,172\,018\,368\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 24\,571\,669\,976\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + \\
& 7\,221\,251\,872\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 1\,204\,017\,536\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 111\,280\,728\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 151\,087\,928\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - \\
& 53\,733\,704\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 11\,359\,736\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - 1\,506\,128\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 115\,392\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 - \\
& 3880\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^3 + 288\,T^2\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 8304\,T^3\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 116\,448\,T^4\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 1\,045\,776\,T^5\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + \\
& 6\,671\,472\,T^6\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 31\,718\,324\,T^7\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 114\,374\,140\,T^8\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 308\,375\,928\,T^9\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + \\
& 569\,059\,100\,T^{10}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 403\,254\,840\,T^{11}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 1\,708\,364\,284\,T^{12}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 8\,634\,281\,084\,T^{13}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - \\
& 23\,641\,320\,804\,T^{14}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 47\,462\,115\,260\,T^{15}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 74\,570\,661\,344\,T^{16}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + \\
& 92\,263\,065\,884\,T^{17}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 85\,944\,441\,148\,T^{18}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 49\,263\,099\,020\,T^{19}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + \\
& 8\,362\,448\,940\,T^{20}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 64\,670\,030\,436\,T^{21}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 97\,656\,691\,780\,T^{22}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - \\
& 98\,924\,300\,596\,T^{23}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 76\,618\,295\,748\,T^{24}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 46\,915\,766\,048\,T^{25}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + \\
& 22\,743\,401\,296\,T^{26}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 8\,547\,194\,160\,T^{27}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 2\,356\,072\,380\,T^{28}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 404\,758\,100\,T^{29}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + \\
& 8\,334\,708\,T^{30}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 18\,005\,512\,T^{31}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - 5\,586\,316\,T^{32}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 861\,384\,T^{33}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 - \\
& 70\,436\,T^{34}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 2400\,T^{35}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^3 + 864\,T^3\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 25\,776\,T^4\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 363\,264\,T^5\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - \\
& 3\,235\,536\,T^6\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 20\,492\,400\,T^7\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 98\,178\,096\,T^8\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 368\,472\,752\,T^9\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - \\
& 1\,102\,826\,168\,T^{10}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 2\,637\,626\,456\,T^{11}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 4\,933\,310\,448\,T^{12}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 6\,637\,299\,744\,T^{13}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - \\
& 4\,095\,731\,904\,T^{14}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 8\,430\,804\,048\,T^{15}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 36\,059\,324\,184\,T^{16}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - \\
& 78\,544\,016\,856\,T^{17}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 126\,759\,253\,384\,T^{18}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 164\,567\,701\,864\,T^{19}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + \\
& 176\,849\,173\,832\,T^{20}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 158\,731\,747\,960\,T^{21}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 118\,750\,281\,096\,T^{22}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - \\
& 73\,168\,088\,312\,T^{23}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 36\,170\,703\,208\,T^{24}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 13\,542\,937\,176\,T^{25}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + \\
& 3\,231\,963\,208\,T^{26}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 24\,943\,720\,T^{27}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 402\,147\,216\,T^{28}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 218\,374\,128\,T^{29}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - \\
& 72\,265\,392\,T^{30}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 17\,540\,400\,T^{31}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 3\,385\,320\,T^{32}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 538\,024\,T^{33}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - \\
& 66\,240\,T^{34}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 + 5280\,T^{35}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^3 - 192\,T^{36}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 1968\,T^3\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 55\,536\,T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - \\
& 761\,832\,T^5\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 6\,773\,640\,T^6\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 43\,899\,936\,T^7\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 221\,048\,904\,T^8\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - \\
& 899\,723\,448\,T^9\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 3\,039\,764\,352\,T^{10}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 8\,683\,529\,096\,T^{11}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 21\,249\,055\,264\,T^{12}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - \\
& 44\,948\,606\,720\,T^{13}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 82\,682\,673\,120\,T^{14}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 132\,689\,840\,592\,T^{15}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + \\
& 185\,874\,186\,792\,T^{16}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 226\,698\,020\,712\,T^{17}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 239\,094\,849\,432\,T^{18}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - \\
& 215\,066\,063\,112\,T^{19}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 160\,371\,971\,328\,T^{20}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 92\,617\,835\,688\,T^{21}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + \\
& 32\,336\,762\,904\,T^{22}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 6\,948\,397\,496\,T^{23}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 23\,210\,842\,600\,T^{24}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + \\
& 23\,213\,903\,648\,T^{25}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 16\,190\,206\,576\,T^{26}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 8\,836\,187\,720\,T^{27}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - \\
& 3\,899\,320\,912\,T^{28}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 1\,400\,630\,512\,T^{29}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 406\,780\,376\,T^{30}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 93\,900\,832\,T^{31}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - \\
& 16\,746\,456\,T^{32}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 2\,208\,864\,T^{33}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - 201\,264\,T^{34}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 11\,232\,T^{35}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 - \\
& 288\,T^{36}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^3 + 192\,T\mathcal{A}_{\$[4]}^4 - 5400\,T^2\mathcal{A}_{\$[4]}^4 + 71\,088\,T^3\mathcal{A}_{\$[4]}^4 - 578\,505\,T^4\mathcal{A}_{\$[4]}^4 + 3\,213\,830\,T^5\mathcal{A}_{\$[4]}^4 - \\
& 12\,482\,577\,T^6\mathcal{A}_{\$[4]}^4 + 31\,453\,374\,T^7\mathcal{A}_{\$[4]}^4 - 25\,597\,334\,T^8\mathcal{A}_{\$[4]}^4 - 203\,754\,486\,T^9\mathcal{A}_{\$[4]}^4 + 1\,298\,716\,998\,T^{10}\mathcal{A}_{\$[4]}^4 - \\
& 4\,723\,905\,130\,T^{11}\mathcal{A}_{\$[4]}^4 + 12\,906\,889\,184\,T^{12}\mathcal{A}_{\$[4]}^4 - 28\,528\,630\,600\,T^{13}\mathcal{A}_{\$[4]}^4 + 52\,565\,147\,131\,T^{14}\mathcal{A}_{\$[4]}^4 - \\
& 81\,730\,260\,650\,T^{15}\mathcal{A}_{\$[4]}^4 + 107\,333\,711\,605\,T^{16}\mathcal{A}_{\$[4]}^4 - 117\,735\,606\,332\,T^{17}\mathcal{A}_{\$[4]}^4 + 104\,387\,141\,343\,T^{18}\mathcal{A}_{\$[4]}^4 - \\
& 67\,994\,302\,272\,T^{19}\mathcal{A}_{\$[4]}^4 + 19\,896\,401\,766\,T^{20}\mathcal{A}_{\$[4]}^4 + 23\,364\,400\,464\,T^{21}\mathcal{A}_{\$[4]}^4 - 48\,927\,225\,531\,T^{22}\mathcal{A}_{\$[4]}^4 + \\
& 53\,661\,559\,952\,T^{23}\mathcal{A}_{\$[4]}^4 - 43\,566\,924\,074\,T^{24}\mathcal{A}_{\$[4]}^4 + 28\,167\,988\,126\,T^{25}\mathcal{A}_{\$[4]}^4 - 14\,796\,661\,349\,T^{26}\mathcal{A}_{\$[4]}^4 + \\
& 6\,303\,194\,322\,T^{27}\mathcal{A}_{\$[4]}^4 - 2\,135\,793\,816\,T^{28}\mathcal{A}_{\$[4]}^4 + 549\,548\,806\,T^{29}\mathcal{A}_{\$[4]}^4 - 94\,978\,337\,T^{30}\mathcal{A}_{\$[4]}^4 + 5\,635\,720\,T^{31}\mathcal{A}_{\$[4]}^4 + \\
& 2\,357\,023\,T^{32}\mathcal{A}_{\$[4]}^4 - 854\,048\,T^{33}\mathcal{A}_{\$[4]}^4 + 141\,730\,T^{34}\mathcal{A}_{\$[4]}^4 - 12\,708\,T^{35}\mathcal{A}_{\$[4]}^4 + 495\,T^{36}\mathcal{A}_{\$[4]}^4 + 480\,T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - \\
& 14\,256\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 197\,184\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 1\,689\,456\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 10\,012\,646\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - \\
& 43\,065\,558\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 134\,871\,630\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 284\,720\,088\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 229\,392\,256\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + \\
& 1\,098\,101\,888\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 6\,323\,417\,178\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 19\,922\,854\,328\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - \\
& 46\,873\,472\,928\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 89\,011\,648\,630\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 140\,547\,964\,784\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + \\
& 186\,550\,629\,278\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 207\,906\,327\,908\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 191\,752\,749\,140\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - \\
& 140\,650\,559\,912\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 72\,818\,940\,528\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 12\,117\,346\,852\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - \\
& 25\,051\,892\,816\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 36\,420\,052\,718\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 30\,690\,616\,694\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + \\
& 19\,189\,544\,804\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 9\,411\,804\,282\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 3\,658\,330\,930\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 1\,112\,054\,180\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 +
\end{aligned}$$

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$$\begin{aligned}
& 254\,060\,170\,T^{30}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 39\,484\,056\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 2\,800\,692\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 350\,252\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - \\
& 119\,356\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 13\,326\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 - 576\,T^{36}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[4]}^4 + 288\,T^3\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 10\,140\,T^4\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + \\
& 157\,944\,T^5\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 1\,483\,572\,T^6\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 9\,534\,192\,T^7\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 44\,685\,719\,T^8\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + \\
& 157\,366\,522\,T^9\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 415\,695\,756\,T^{10}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 774\,109\,100\,T^{11}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 712\,476\,351\,T^{12}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - \\
& 1\,292\,411\,882\,T^{13}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 7\,978\,647\,067\,T^{14}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 22\,380\,170\,232\,T^{15}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + \\
& 45\,432\,073\,979\,T^{16}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 73\,276\,543\,830\,T^{17}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 96\,858\,879\,166\,T^{18}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - \\
& 105\,670\,490\,660\,T^{19}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 94\,137\,618\,532\,T^{20}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 65\,942\,240\,340\,T^{21}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + \\
& 32\,309\,090\,516\,T^{22}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 5\,194\,414\,024\,T^{23}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 9\,266\,463\,494\,T^{24}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + \\
& 12\,328\,068\,826\,T^{25}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 9\,292\,184\,275\,T^{26}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 5\,094\,610\,576\,T^{27}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 2\,140\,947\,367\,T^{28}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + \\
& 691\,659\,294\,T^{29}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 166\,773\,777\,T^{30}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 27\,538\,920\,T^{31}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 2\,244\,228\,T^{32}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - \\
& 190\,054\,T^{33}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 79\,767\,T^{34}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 - 9408\,T^{35}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 420\,T^{36}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[4]}^4 + 432\,T^4\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - \\
& 12\,048\,T^5\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 162\,456\,T^6\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 1\,396\,776\,T^7\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 8\,537\,784\,T^8\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - \\
& 39\,247\,968\,T^9\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 139\,963\,256\,T^{10}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 392\,397\,464\,T^{11}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 859\,090\,632\,T^{12}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - \\
& 1\,401\,790\,760\,T^{13}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 1\,394\,820\,320\,T^{14}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 425\,924\,544\,T^{15}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 5\,574\,243\,480\,T^{16}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + \\
& 14\,722\,450\,032\,T^{17}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 26\,472\,838\,344\,T^{18}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 37\,165\,253\,184\,T^{19}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - \\
& 42\,468\,515\,688\,T^{20}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 39\,991\,414\,392\,T^{21}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 30\,916\,998\,632\,T^{22}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + \\
& 19\,223\,247\,416\,T^{23}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 9\,115\,817\,928\,T^{24}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 2\,788\,511\,736\,T^{25}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 37\,716\,888\,T^{26}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - \\
& 578\,420\,088\,T^{27}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 415\,594\,504\,T^{28}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 179\,810\,920\,T^{29}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 54\,160\,344\,T^{30}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - \\
& 11\,313\,224\,T^{31}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + 1\,457\,888\,T^{32}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 55\,392\,T^{33}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 15\,936\,T^{34}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 + \\
& 2760\,T^{35}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 144\,T^{36}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[4]}^4 - 492\,T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 13\,536\,T^5\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 180\,396\,T^6\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + \\
& 1\,553\,064\,T^7\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 9\,715\,245\,T^8\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 47\,067\,432\,T^9\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 183\,695\,484\,T^{10}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + \\
& 592\,796\,394\,T^{11}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 1\,610\,207\,324\,T^{12}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 3\,726\,759\,896\,T^{13}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 7\,408\,546\,401\,T^{14}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + \\
& 12\,706\,735\,930\,T^{15}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 18\,823\,507\,134\,T^{16}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 24\,015\,164\,544\,T^{17}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - \\
& 26\,164\,083\,178\,T^{18}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 23\,896\,714\,378\,T^{19}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 17\,554\,159\,118\,T^{20}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + \\
& 9\,220\,595\,456\,T^{21}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 1\,651\,070\,593\,T^{22}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 3\,175\,105\,674\,T^{23}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 4\,859\,288\,804\,T^{24}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - \\
& 4\,319\,437\,416\,T^{25}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 2\,890\,380\,366\,T^{26}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 1\,549\,844\,834\,T^{27}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 679\,039\,469\,T^{28}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - \\
& 243\,749\,980\,T^{29}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 71\,199\,069\,T^{30}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 16\,688\,872\,T^{31}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 3\,074\,607\,T^{32}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - \\
& 431\,916\,T^{33}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 43\,917\,T^{34}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 - 2898\,T^{35}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4 + 93\,T^{36}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4) / \\
& (48(1 - 4T + 6T^2 - 5T^3 + T^4)^2(1 - 3T + 4T^2 - 4T^3 + T^4)^8\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4)
\end{aligned}$$

» With LeafCount==11981, nC is

$$\begin{aligned}
& \frac{1}{16(1 - 3T + 4T^2 - 4T^3 + T^4)^{10}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[4]}^4} \hbar^7 (165\,T^4 - 4118\,T^5 + 51\,073\,T^6 - 417\,448\,T^7 + 2\,516\,222\,T^8 - 11\,873\,686\,T^9 + \\
& 45\,501\,964\,T^{10} - 145\,109\,688\,T^{11} + 391\,765\,292\,T^{12} - 906\,533\,530\,T^{13} + 1\,814\,151\,867\,T^{14} - 3\,160\,106\,304\,T^{15} + 4\,812\,804\,502\,T^{16} - \\
& 6\,426\,099\,042\,T^{17} + 7\,531\,045\,472\,T^{18} - 7\,744\,094\,304\,T^{19} + 6\,973\,766\,080\,T^{20} - 5\,480\,115\,022\,T^{21} + 3\,737\,299\,053\,T^{22} - \\
& 2\,194\,968\,152\,T^{23} + 1\,098\,741\,313\,T^{24} - 462\,401\,880\,T^{25} + 160\,711\,631\,T^{26} - 45\,066\,288\,T^{27} + 9\,884\,891\,T^{28} - 1\,624\,274\,T^{29} + \\
& 187\,220\,T^{30} - 13\,464\,T^{31} + 455\,T^{32} + 288\,T^3\mathcal{A}_{\$[0]} - 7536\,T^4\mathcal{A}_{\$[0]} + 97\,040\,T^5\mathcal{A}_{\$[0]} - 817\,968\,T^6\mathcal{A}_{\$[0]} + 5\,065\,168\,T^7\mathcal{A}_{\$[0]} - \\
& 24\,517\,904\,T^8\mathcal{A}_{\$[0]} + 96\,392\,928\,T^9\mathcal{A}_{\$[0]} - 315\,780\,416\,T^{10}\mathcal{A}_{\$[0]} + 877\,527\,920\,T^{11}\mathcal{A}_{\$[0]} - 2\,095\,145\,904\,T^{12}\mathcal{A}_{\$[0]} + \\
& 4\,337\,205\,984\,T^{13}\mathcal{A}_{\$[0]} - 7\,834\,592\,592\,T^{14}\mathcal{A}_{\$[0]} + 12\,400\,398\,400\,T^{15}\mathcal{A}_{\$[0]} - 17\,236\,089\,936\,T^{16}\mathcal{A}_{\$[0]} + 21\,048\,863\,488\,T^{17}\mathcal{A}_{\$[0]} - \\
& 22\,554\,755\,776\,T^{18}\mathcal{A}_{\$[0]} + 21\,137\,546\,896\,T^{19}\mathcal{A}_{\$[0]} - 17\,228\,349\,248\,T^{20}\mathcal{A}_{\$[0]} + 12\,106\,147\,392\,T^{21}\mathcal{A}_{\$[0]} - \\
& 7\,236\,160\,496\,T^{22}\mathcal{A}_{\$[0]} + 3\,601\,335\,648\,T^{23}\mathcal{A}_{\$[0]} - 1\,437\,441\,136\,T^{24}\mathcal{A}_{\$[0]} + 424\,644\,736\,T^{25}\mathcal{A}_{\$[0]} - 70\,676\,432\,T^{26}\mathcal{A}_{\$[0]} - \\
& 8\,037\,952\,T^{27}\mathcal{A}_{\$[0]} + 10\,140\,992\,T^{28}\mathcal{A}_{\$[0]} - 3\,702\,880\,T^{29}\mathcal{A}_{\$[0]} + 813\,968\,T^{30}\mathcal{A}_{\$[0]} - 113\,696\,T^{31}\mathcal{A}_{\$[0]} + 9376\,T^{32}\mathcal{A}_{\$[0]} - \\
& 352\,T^{33}\mathcal{A}_{\$[0]} + 420\,T^2\mathcal{A}_{\$[0]}^2 - 11\,496\,T^3\mathcal{A}_{\$[0]}^2 + 154\,684\,T^4\mathcal{A}_{\$[0]}^2 - 1\,362\,656\,T^5\mathcal{A}_{\$[0]}^2 + 8\,830\,108\,T^6\mathcal{A}_{\$[0]}^2 - 44\,831\,696\,T^7\mathcal{A}_{\$[0]}^2 + \\
& 185\,463\,540\,T^8\mathcal{A}_{\$[0]}^2 - 641\,820\,048\,T^9\mathcal{A}_{\$[0]}^2 + 1\,892\,776\,528\,T^{10}\mathcal{A}_{\$[0]}^2 - 4\,821\,148\,432\,T^{11}\mathcal{A}_{\$[0]}^2 + 10\,711\,522\,072\,T^{12}\mathcal{A}_{\$[0]}^2 - \\
& 20\,909\,548\,136\,T^{13}\mathcal{A}_{\$[0]}^2 + 36\,049\,077\,616\,T^{14}\mathcal{A}_{\$[0]}^2 - 55\,087\,732\,616\,T^{15}\mathcal{A}_{\$[0]}^2 + 74\,780\,511\,876\,T^{16}\mathcal{A}_{\$[0]}^2 - \\
& 90\,268\,937\,808\,T^{17}\mathcal{A}_{\$[0]}^2 + 96\,889\,771\,740\,T^{18}\mathcal{A}_{\$[0]}^2 - 92\,371\,232\,072\,T^{19}\mathcal{A}_{\$[0]}^2 + 78\,056\,532\,244\,T^{20}\mathcal{A}_{\$[0]}^2 - \\
& 58\,283\,931\,264\,T^{21}\mathcal{A}_{\$[0]}^2 + 38\,295\,579\,936\,T^{22}\mathcal{A}_{\$[0]}^2 - 22\,024\,796\,240\,T^{23}\mathcal{A}_{\$[0]}^2 + 11\,015\,705\,180\,T^{24}\mathcal{A}_{\$[0]}^2 - \\
& 4\,753\,792\,560\,T^{25}\mathcal{A}_{\$[0]}^2 + 1\,753\,529\,956\,T^{26}\mathcal{A}_{\$[0]}^2 - 546\,624\,304\,T^{27}\mathcal{A}_{\$[0]}^2 + 141\,953\,448\,T^{28}\mathcal{A}_{\$[0]}^2 - 30\,124\,232\,T^{29}\mathcal{A}_{\$[0]}^2 + \\
& 5\,080\,452\,T^{30}\mathcal{A}_{\$[0]}^2 - 652\,456\,T^{31}\mathcal{A}_{\$[0]}^2 + 59\,532\,T^{32}\mathcal{A}_{\$[0]}^2 - 3408\,T^{33}\mathcal{A}_{\$[0]}^2 + 92\,T^{34}\mathcal{A}_{\$[0]}^2 + 368\,T^3\mathcal{A}_{\$[0]}^3 - 10\,512\,T^2\mathcal{A}_{\$[0]}^3 + \\
& 147\,520\,T^3\mathcal{A}_{\$[0]}^3 - 1\,355\,152\,T^4\mathcal{A}_{\$[0]}^3 + 9\,160\,208\,T^5\mathcal{A}_{\$[0]}^3 - 48\,552\,544\,T^6\mathcal{A}_{\$[0]}^3 + 209\,952\,976\,T^7\mathcal{A}_{\$[0]}^3 - 760\,763\,728\,T^8\mathcal{A}_{\$[0]}^3 + \\
& 2\,354\,076\,544\,T^9\mathcal{A}_{\$[0]}^3 - 6\,307\,155\,440\,T^{10}\mathcal{A}_{\$[0]}^3 + 14\,781\,930\,384\,T^{11}\mathcal{A}_{\$[0]}^3 - 30\,535\,847\,824\,T^{12}\mathcal{A}_{\$[0]}^3 + 55\,909\,304\,448\,T^{13}\mathcal{A}_{\$[0]}^3 -
\end{aligned}$$

$$\begin{aligned}
& 91\,087\,562\,384\,T^{14}\mathcal{A}_{\$[0]}^3 + 132\,388\,017\,392\,T^{15}\mathcal{A}_{\$[0]}^3 - 171\,890\,724\,112\,T^{16}\mathcal{A}_{\$[0]}^3 + 199\,437\,053\,552\,T^{17}\mathcal{A}_{\$[0]}^3 - \\
& 206\,637\,788\,496\,T^{18}\mathcal{A}_{\$[0]}^3 + 190\,872\,555\,712\,T^{19}\mathcal{A}_{\$[0]}^3 - 156\,770\,607\,856\,T^{20}\mathcal{A}_{\$[0]}^3 + 114\,076\,785\,424\,T^{21}\mathcal{A}_{\$[0]}^3 - \\
& 73\,200\,044\,192\,T^{22}\mathcal{A}_{\$[0]}^3 + 41\,181\,097\,040\,T^{23}\mathcal{A}_{\$[0]}^3 - 20\,172\,086\,464\,T^{24}\mathcal{A}_{\$[0]}^3 + 8\,534\,498\,688\,T^{25}\mathcal{A}_{\$[0]}^3 - \\
& 3\,090\,936\,624\,T^{26}\mathcal{A}_{\$[0]}^3 + 949\,411\,648\,T^{27}\mathcal{A}_{\$[0]}^3 - 245\,274\,688\,T^{28}\mathcal{A}_{\$[0]}^3 + 53\,021\,904\,T^{29}\mathcal{A}_{\$[0]}^3 - 9\,596\,624\,T^{30}\mathcal{A}_{\$[0]}^3 + \\
& 1\,461\,488\,T^{31}\mathcal{A}_{\$[0]}^3 - 186\,304\,T^{32}\mathcal{A}_{\$[0]}^3 + 18\,944\,T^{33}\mathcal{A}_{\$[0]}^3 - 1\,344\,T^{34}\mathcal{A}_{\$[0]}^3 + 48\,T^{35}\mathcal{A}_{\$[0]}^3 + 164\,\mathcal{A}_{\$[0]}^4 - 4920\,T\,\mathcal{A}_{\$[0]}^4 + \\
& 72\,596\,T^2\,\mathcal{A}_{\$[0]}^4 - 701\,952\,T^3\,\mathcal{A}_{\$[0]}^4 + 4\,999\,904\,T^4\,\mathcal{A}_{\$[0]}^4 - 27\,958\,760\,T^5\,\mathcal{A}_{\$[0]}^4 + 127\,718\,160\,T^6\,\mathcal{A}_{\$[0]}^4 - 489\,629\,728\,T^7\,\mathcal{A}_{\$[0]}^4 + \\
& 1\,605\,815\,005\,T^8\,\mathcal{A}_{\$[0]}^4 - 4\,569\,364\,734\,T^9\,\mathcal{A}_{\$[0]}^4 + 11\,400\,440\,401\,T^{10}\,\mathcal{A}_{\$[0]}^4 - 25\,137\,751\,856\,T^{11}\,\mathcal{A}_{\$[0]}^4 + 49\,274\,863\,539\,T^{12}\,\mathcal{A}_{\$[0]}^4 - \\
& 86\,231\,700\,860\,T^{13}\,\mathcal{A}_{\$[0]}^4 + 135\,115\,607\,749\,T^{14}\,\mathcal{A}_{\$[0]}^4 - 189\,877\,710\,272\,T^{15}\,\mathcal{A}_{\$[0]}^4 + 239\,455\,389\,551\,T^{16}\,\mathcal{A}_{\$[0]}^4 - \\
& 270\,859\,283\,230\,T^{17}\,\mathcal{A}_{\$[0]}^4 + 274\,372\,370\,988\,T^{18}\,\mathcal{A}_{\$[0]}^4 - 248\,201\,831\,928\,T^{19}\,\mathcal{A}_{\$[0]}^4 + 199\,676\,360\,813\,T^{20}\,\mathcal{A}_{\$[0]}^4 - \\
& 142\,018\,556\,032\,T^{21}\,\mathcal{A}_{\$[0]}^4 + 88\,569\,597\,244\,T^{22}\,\mathcal{A}_{\$[0]}^4 - 47\,868\,471\,832\,T^{23}\,\mathcal{A}_{\$[0]}^4 + 22\,027\,602\,033\,T^{24}\,\mathcal{A}_{\$[0]}^4 - \\
& 8\,379\,701\,502\,T^{25}\,\mathcal{A}_{\$[0]}^4 + 2\,483\,723\,873\,T^{26}\,\mathcal{A}_{\$[0]}^4 - 483\,113\,912\,T^{27}\,\mathcal{A}_{\$[0]}^4 + 4\,507\,666\,T^{28}\,\mathcal{A}_{\$[0]}^4 + 41\,745\,594\,T^{29}\,\mathcal{A}_{\$[0]}^4 - \\
& 19\,668\,924\,T^{30}\,\mathcal{A}_{\$[0]}^4 + 5\,617\,280\,T^{31}\,\mathcal{A}_{\$[0]}^4 - 1\,129\,191\,T^{32}\,\mathcal{A}_{\$[0]}^4 + 162\,104\,T^{33}\,\mathcal{A}_{\$[0]}^4 - 15\,980\,T^{34}\,\mathcal{A}_{\$[0]}^4 + 976\,T^{35}\,\mathcal{A}_{\$[0]}^4 - \\
& 28\,T^{36}\,\mathcal{A}_{\$[0]}^4 + 288\,T^3\,\mathcal{A}_{\$[4]} - 7152\,T^4\,\mathcal{A}_{\$[4]} + 86\,992\,T^5\,\mathcal{A}_{\$[4]} - 690\,096\,T^6\,\mathcal{A}_{\$[4]} + 4\,008\,032\,T^7\,\mathcal{A}_{\$[4]} - 18\,130\,736\,T^8\,\mathcal{A}_{\$[4]} + \\
& 66\,342\,320\,T^9\,\mathcal{A}_{\$[4]} - 201\,303\,584\,T^{10}\,\mathcal{A}_{\$[4]} + 515\,136\,512\,T^{11}\,\mathcal{A}_{\$[4]} - 1\,124\,418\,224\,T^{12}\,\mathcal{A}_{\$[4]} + 2\,108\,250\,432\,T^{13}\,\mathcal{A}_{\$[4]} - \\
& 3\,406\,264\,032\,T^{14}\,\mathcal{A}_{\$[4]} + 4\,737\,706\,672\,T^{15}\,\mathcal{A}_{\$[4]} - 5\,636\,203\,520\,T^{16}\,\mathcal{A}_{\$[4]} + 5\,646\,412\,256\,T^{17}\,\mathcal{A}_{\$[4]} - 4\,598\,707\,680\,T^{18}\,\mathcal{A}_{\$[4]} + \\
& 2\,769\,517\,632\,T^{19}\,\mathcal{A}_{\$[4]} - 776\,530\,640\,T^{20}\,\mathcal{A}_{\$[4]} - 747\,204\,448\,T^{21}\,\mathcal{A}_{\$[4]} + 1\,474\,010\,992\,T^{22}\,\mathcal{A}_{\$[4]} - 1\,478\,947\,296\,T^{23}\,\mathcal{A}_{\$[4]} + \\
& 1\,086\,999\,616\,T^{24}\,\mathcal{A}_{\$[4]} - 630\,059\,488\,T^{25}\,\mathcal{A}_{\$[4]} + 293\,646\,496\,T^{26}\,\mathcal{A}_{\$[4]} - 109\,892\,752\,T^{27}\,\mathcal{A}_{\$[4]} + 32\,568\,208\,T^{28}\,\mathcal{A}_{\$[4]} - \\
& 7\,454\,400\,T^{29}\,\mathcal{A}_{\$[4]} + 1\,267\,152\,T^{30}\,\mathcal{A}_{\$[4]} - 150\,256\,T^{31}\,\mathcal{A}_{\$[4]} + 11\,088\,T^{32}\,\mathcal{A}_{\$[4]} - 384\,T^{33}\,\mathcal{A}_{\$[4]} + 192\,T^2\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 5536\,T^3\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 77\,184\,T^4\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 694\,208\,T^5\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 4\,534\,576\,T^6\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 22\,951\,648\,T^7\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 93\,723\,136\,T^8\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 317\,171\,056\,T^9\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 906\,043\,648\,T^{10}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 2\,212\,604\,064\,T^{11}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 4\,657\,830\,864\,T^{12}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 8\,493\,547\,536\,T^{13}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 13\,437\,088\,688\,T^{14}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 18\,406\,730\,320\,T^{15}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 21\,687\,664\,016\,T^{16}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 21\,666\,975\,680\,T^{17}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 17\,810\,069\,328\,T^{18}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 11\,186\,718\,176\,T^{19}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 4\,037\,927\,056\,T^{20}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 1\,412\,694\,960\,T^{21}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 4\,071\,157\,120\,T^{22}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 4\,255\,799\,616\,T^{23}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 3\,110\,880\,880\,T^{24}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 1\,754\,170\,320\,T^{25}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 779\,772\,896\,T^{26}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 271\,242\,128\,T^{27}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 71\,640\,272\,T^{28}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 13\,452\,576\,T^{29}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 1\,509\,712\,T^{30}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 22\,064\,T^{31}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 21\,792\,T^{32}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 3200\,T^{33}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 160\,T^{34}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 112\,T\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 3952\,T^2\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 65\,360\,T^3\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 684\,192\,T^4\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 5\,137\,808\,T^5\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 29\,650\,944\,T^6\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 137\,323\,936\,T^7\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 525\,533\,584\,T^8\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 1\,696\,569\,568\,T^9\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 4\,689\,787\,120\,T^{10}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 11\,222\,398\,384\,T^{11}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 23\,431\,573\,120\,T^{12}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 42\,924\,390\,448\,T^{13}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 69\,238\,391\,568\,T^{14}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 98\,523\,721\,008\,T^{15}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 123\,711\,155\,216\,T^{16}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 136\,896\,871\,872\,T^{17}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 133\,109\,928\,464\,T^{18}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 113\,169\,688\,800\,T^{19}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 83\,509\,734\,672\,T^{20}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 52\,898\,961\,328\,T^{21}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 28\,279\,305\,168\,T^{22}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 12\,395\,014\,336\,T^{23}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 4\,199\,302\,176\,T^{24}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 923\,571\,232\,T^{25}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 2\,718\,800\,T^{26}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 109\,669\,632\,T^{27}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 60\,260\,160\,T^{28}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 21\,167\,840\,T^{29}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 5\,652\,752\,T^{30}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 1\,195\,408\,T^{31}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 196\,432\,T^{32}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 23\,392\,T^{33}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 1776\,T^{34}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 64\,T^{35}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 496\,T\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 15\,280\,T^2\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 229\,200\,T^3\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 2\,231\,472\,T^4\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 15\,860\,656\,T^5\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 87\,760\,128\,T^6\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 393\,566\,992\,T^7\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 1\,470\,167\,712\,T^8\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 4\,664\,494\,160\,T^9\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 12\,750\,658\,368\,T^{10}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 30\,350\,041\,872\,T^{11}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 63\,403\,659\,520\,T^{12}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 116\,927\,966\,704\,T^{13}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 191\,146\,189\,040\,T^{14}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 277\,748\,658\,560\,T^{15}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 359\,310\,582\,560\,T^{16}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 414\,081\,168\,192\,T^{17}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 425\,018\,276\,032\,T^{18}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 388\,209\,862\,816\,T^{19}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 315\,146\,974\,112\,T^{20}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 227\,069\,203\,440\,T^{21}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 145\,067\,239\,232\,T^{22}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 82\,172\,831\,984\,T^{23}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 41\,334\,271\,280\,T^{24}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 18\,528\,750\,704\,T^{25}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 7\,438\,445\,424\,T^{26}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 2\,685\,365\,584\,T^{27}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 871\,183\,104\,T^{28}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 251\,561\,808\,T^{29}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 63\,352\,976\,T^{30}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 13\,494\,112\,T^{31}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 2\,333\,872\,T^{32}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 310\,560\,T^{33}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 29\,424\,T^{34}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 1744\,T^{35}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 48\,T^{36}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 752\,T\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 22\,288\,T^2\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 322\,848\,T^3\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 3\,048\,320\,T^4\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 21\,104\,992\,T^5\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 114\,244\,480\,T^6\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 503\,311\,888\,T^7\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 1\,854\,332\,432\,T^8\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 5\,824\,629\,920\,T^9\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 15\,820\,169\,712\,T^{10}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 37\,546\,326\,096\,T^{11}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 78\,472\,783\,328\,T^{12}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 145\,258\,226\,432\,T^{13}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 239\,095\,938\,352\,T^{14}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 350\,857\,464\,768\,T^{15}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 459\,602\,374\,464\,T^{16}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 537\,503\,220\,000\,T^{17}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 560\,638\,233\,072\,T^{18}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 520\,392\,938\,240\,T^{19}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 428\,368\,714\,016\,T^{20}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 311\,168\,832\,496\,T^{21}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - \\
& 198\,123\,686\,208\,T^{22}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 109\,560\,782\,528\,T^{23}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 51\,950\,801\,984\,T^{24}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + \\
& 20\,724\,439\,776\,T^{25}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 6\,737\,881\,600\,T^{26}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} + 1\,672\,504\,624\,T^{27}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} - 258\,945\,952\,T^{28}\,\mathcal{A}_{\$[0]}\,\mathcal{A}_{\$[4]} -
\end{aligned}$$

$$\begin{aligned}
& 6776096 T^{29} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} + 19646912 T^{30} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} - 7210800 T^{31} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} + 1645904 T^{32} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} - \\
& 261856 T^{33} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} + 28688 T^{34} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} - 1968 T^{35} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} + 64 T^{36} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]} + 132 T^2 \mathcal{A}_{\$[4]}^2 - 3480 T^3 \mathcal{A}_{\$[4]}^2 + \\
& 44016 T^4 \mathcal{A}_{\$[4]}^2 - 357608 T^5 \mathcal{A}_{\$[4]}^2 + 2104388 T^6 \mathcal{A}_{\$[4]}^2 - 9572472 T^7 \mathcal{A}_{\$[4]}^2 + 35019680 T^8 \mathcal{A}_{\$[4]}^2 - 105672536 T^9 \mathcal{A}_{\$[4]}^2 + \\
& 267211960 T^{10} \mathcal{A}_{\$[4]}^2 - 571144312 T^{11} \mathcal{A}_{\$[4]}^2 + 1033857732 T^{12} \mathcal{A}_{\$[4]}^2 - 1574963592 T^{13} \mathcal{A}_{\$[4]}^2 + 1979317296 T^{14} \mathcal{A}_{\$[4]}^2 - \\
& 1947823680 T^{15} \mathcal{A}_{\$[4]}^2 + 1260631416 T^{16} \mathcal{A}_{\$[4]}^2 + 27525744 T^{17} \mathcal{A}_{\$[4]}^2 - 1520558880 T^{18} \mathcal{A}_{\$[4]}^2 + 2649895848 T^{19} \mathcal{A}_{\$[4]}^2 - \\
& 2999170208 T^{20} \mathcal{A}_{\$[4]}^2 + 2547755424 T^{21} \mathcal{A}_{\$[4]}^2 - 1643748848 T^{22} \mathcal{A}_{\$[4]}^2 + 744350864 T^{23} \mathcal{A}_{\$[4]}^2 - 145596712 T^{24} \mathcal{A}_{\$[4]}^2 - \\
& 109648880 T^{25} \mathcal{A}_{\$[4]}^2 + 141461764 T^{26} \mathcal{A}_{\$[4]}^2 - 91061936 T^{27} \mathcal{A}_{\$[4]}^2 + 40976012 T^{28} \mathcal{A}_{\$[4]}^2 - 13691464 T^{29} \mathcal{A}_{\$[4]}^2 + \\
& 3407560 T^{30} \mathcal{A}_{\$[4]}^2 - 616416 T^{31} \mathcal{A}_{\$[4]}^2 + 76924 T^{32} \mathcal{A}_{\$[4]}^2 - 5952 T^{33} \mathcal{A}_{\$[4]}^2 + 216 T^{34} \mathcal{A}_{\$[4]}^2 + 16 T \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
& 720 T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 14352 T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 172416 T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1427376 T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 8789616 T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 42277968 T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 164199312 T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 526914432 T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 1419481280 T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 3244020368 T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 6325848400 T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 10537229664 T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 14925234496 T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 17736951104 T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 17140086896 T^{16} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 12411117600 T^{17} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 4761154448 T^{18} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
& 3030826704 T^{19} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 8145825376 T^{20} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 9338209568 T^{21} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 7407782224 T^{22} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
& 4290990336 T^{23} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 1677038080 T^{24} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 236512288 T^{25} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 233047376 T^{26} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 229382896 T^{27} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 118451024 T^{28} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 41957872 T^{29} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 10598848 T^{30} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + \\
& 1860368 T^{31} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 206848 T^{32} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 10640 T^{33} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 + 288 T^{34} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - 48 T^{35} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^2 - \\
& 224 T \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 7744 T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 126688 T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 1317248 T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 9835952 T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 56408468 T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 259177400 T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 981824900 T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 3129682048 T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 8519591520 T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 20020563432 T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 40930113216 T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 73187785296 T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 114842279392 T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 158377284440 T^{15} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 191933166972 T^{16} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - \\
& 204037385200 T^{17} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 189627717232 T^{18} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 153296373480 T^{19} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 107072762608 T^{20} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 64086835536 T^{21} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 32572843120 T^{22} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 13942889992 T^{23} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 5003581876 T^{24} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 1501893600 T^{25} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 361036252 T^{26} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 43109072 T^{27} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - \\
& 26067124 T^{28} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 26012864 T^{29} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 13348764 T^{30} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 4675800 T^{31} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - \\
& 1160736 T^{32} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 201440 T^{33} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 23204 T^{34} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + 1584 T^{35} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 - 48 T^{36} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^2 + \\
& 576 T \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 18160 T^2 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 279536 T^3 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 2795168 T^4 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 20393136 T^5 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - \\
& 115648432 T^6 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 530405184 T^7 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 2021234272 T^8 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 6524581936 T^9 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - \\
& 18096127040 T^{10} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 43582608592 T^{11} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 91866492416 T^{12} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 170458929008 T^{13} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - \\
& 279548726512 T^{14} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 406258580800 T^{15} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 523905351616 T^{16} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 599717242592 T^{17} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 609025476160 T^{18} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 547994320080 T^{19} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - \\
& 436177091504 T^{20} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 306646247632 T^{21} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 190287272688 T^{22} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 104350074864 T^{23} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 50774732720 T^{24} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 22077657504 T^{25} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 8645906256 T^{26} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 3057915072 T^{27} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 967625664 T^{28} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 267187312 T^{29} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 61957568 T^{30} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 11483792 T^{31} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 1592496 T^{32} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 148160 T^{33} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 7072 T^{34} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 48 T^{35} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 16 T^{36} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 128 T \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 5352 T^2 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 99936 T^3 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 1151740 T^4 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - \\
& 9379448 T^5 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 58135928 T^6 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 287324904 T^7 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 1168585220 T^8 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - \\
& 3999886152 T^9 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 11713158312 T^{10} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 29706794456 T^{11} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 65851487228 T^{12} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - \\
& 128451743184 T^{13} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 221555351508 T^{14} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 338997312736 T^{15} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + \\
& 460970476632 T^{16} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 557367432528 T^{17} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 598809954012 T^{18} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - \\
& 570497649224 T^{19} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 480381701484 T^{20} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 355767160016 T^{21} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + \\
& 230167932740 T^{22} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 128871659984 T^{23} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 61620959332 T^{24} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - \\
& 24657152416 T^{25} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 7969478444 T^{26} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 1924023048 T^{27} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 260923632 T^{28} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + \\
& 31646576 T^{29} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 32425444 T^{30} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 11323824 T^{31} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 2612248 T^{32} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + \\
& 429664 T^{33} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 49192 T^{34} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 3536 T^{35} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 - 120 T^{36} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^2 + 16 T \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 656 T^2 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 10976 T^3 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 108192 T^4 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 728608 T^5 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 3618752 T^6 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 13821376 T^7 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 41351616 T^8 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 96302560 T^9 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 165198144 T^{10} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 160161904 T^{11} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 139665936 T^{12} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 1087837248 T^{13} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 3026048592 T^{14} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 5987369808 T^{15} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 9411286784 T^{16} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 12158484304 T^{17} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 12992392432 T^{18} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - \\
& 11319328224 T^{19} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 7656277840 T^{20} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 3402908400 T^{21} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 33056544 T^{22} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 1691566400 T^{23} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - \\
& 1932934720 T^{24} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 1386509056 T^{25} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 720824752 T^{26} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 270191824 T^{27} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 63341312 T^{28} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + \\
& 1497856 T^{29} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 6026960 T^{30} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 2884112 T^{31} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 756064 T^{32} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 - 122512 T^{33} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 + 11504 T^{34} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^2 -
\end{aligned}$$

$$\begin{aligned}
& 480 T^{35} \mathcal{A}_{\$[4]}^3 + 512 T^2 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 14912 T^3 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 204752 T^4 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 1773808 T^5 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + \\
& 10932736 T^6 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 51163968 T^7 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 189064368 T^8 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 564768048 T^9 \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + \\
& 1379604032 T^{10} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 2753211952 T^{11} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 4397066272 T^{12} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 5239868128 T^{13} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + \\
& 3409872064 T^{14} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 2983807072 T^{15} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 14344703648 T^{16} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 28315930320 T^{17} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - \\
& 40088872992 T^{18} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 44735825664 T^{19} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 40224262896 T^{20} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 28794050848 T^{21} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - \\
& 15489265744 T^{22} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 5008918768 T^{23} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 645837664 T^{24} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 2253603968 T^{25} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + \\
& 1803416160 T^{26} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 927463808 T^{27} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 335680240 T^{28} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 81612496 T^{29} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + \\
& 9778960 T^{30} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 1284720 T^{31} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - 848592 T^{32} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 177744 T^{33} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 - \\
& 18768 T^{34} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 832 T^{35} \mathcal{A}_{\$[0]} \mathcal{A}_{\$[4]}^3 + 288 T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 8992 T^2 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 136864 T^3 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 1352832 T^4 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 9749456 T^5 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 54491904 T^6 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 245309472 T^7 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 912048640 T^8 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 2849721760 T^9 \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 7574624400 T^{10} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 17267975392 T^{11} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 33919774032 T^{12} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 57467847504 T^{13} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 83682923968 T^{14} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 103657998464 T^{15} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - \\
& 106695777312 T^{16} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 86220743856 T^{17} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 45196434080 T^{18} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 3529536864 T^{19} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + \\
& 43421218976 T^{20} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 63153837360 T^{21} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 61843290448 T^{22} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 47266854272 T^{23} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + \\
& 29502810944 T^{24} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 15342553696 T^{25} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 6740862448 T^{26} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 2544165376 T^{27} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + \\
& 843879600 T^{28} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 251451760 T^{29} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 67340160 T^{30} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 15580976 T^{31} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + \\
& 2885920 T^{32} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 386128 T^{33} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 32288 T^{34} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 - 1248 T^{35} \mathcal{A}_{\$[0]}^2 \mathcal{A}_{\$[4]}^3 + 1536 T^2 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - \\
& 45616 T^3 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 656304 T^4 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 6102752 T^5 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 41267120 T^6 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 216400784 T^7 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + \\
& 916046048 T^8 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 3216034416 T^9 \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 9544100768 T^{10} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 24271979120 T^{11} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + \\
& 53420427328 T^{12} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 102455423056 T^{13} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 171999446560 T^{14} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - \\
& 253331911184 T^{15} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 327439333776 T^{16} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 370680320288 T^{17} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + \\
& 365846264640 T^{18} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 312219343024 T^{19} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 227197653328 T^{20} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - \\
& 137476189456 T^{21} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 65647371344 T^{22} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 21271158768 T^{23} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 1090165200 T^{24} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + \\
& 4314279664 T^{25} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 3664680128 T^{26} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 1921144080 T^{27} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 753597856 T^{28} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + \\
& 232560464 T^{29} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 57059216 T^{30} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 10940128 T^{31} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 1546480 T^{32} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + \\
& 138176 T^{33} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 3792 T^{34} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 576 T^{35} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 + 48 T^{36} \mathcal{A}_{\$[0]}^3 \mathcal{A}_{\$[4]}^3 - 256 T^2 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + \\
& 8976 T^3 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 148896 T^4 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 1567344 T^5 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 11829072 T^6 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 68484544 T^7 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - \\
& 317464064 T^8 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 1213347776 T^9 \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 3904586944 T^{10} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 10743637728 T^{11} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - \\
& 25566521456 T^{12} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 53062899216 T^{13} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 96635025024 T^{14} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 155050378016 T^{15} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - \\
& 219699312384 T^{16} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 275126368496 T^{17} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 304247625008 T^{18} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + \\
& 296363167680 T^{19} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 253150538576 T^{20} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 188296700144 T^{21} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - \\
& 120659226256 T^{22} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 65490067248 T^{23} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 29234230576 T^{24} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 10089593872 T^{25} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - \\
& 2225216720 T^{26} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 47031440 T^{27} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 318852544 T^{28} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 173352928 T^{29} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + \\
& 59325712 T^{30} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 14616128 T^{31} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 2638688 T^{32} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 340160 T^{33} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + \\
& 29360 T^{34} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 1488 T^{35} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 + 32 T^{36} \mathcal{A}_{\$[0]}^4 \mathcal{A}_{\$[4]}^3 - 64 T^2 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 1880 T^2 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 25600 T^3 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + \\
& 215707 T^4 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 1259322 T^5 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 5357491 T^6 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 16713712 T^7 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 35661219 T^8 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 31750576 T^9 \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - \\
& 122823599 T^{10} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 755673536 T^{11} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 2464051678 T^{12} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 6008891756 T^{13} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 11906819679 T^{14} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + \\
& 19798479008 T^{15} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 27994543062 T^{16} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 33741453464 T^{17} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 34400039685 T^{18} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + \\
& 28987400288 T^{19} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 19010530482 T^{20} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 7842295932 T^{21} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 1046444491 T^{22} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 5784212960 T^{23} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + \\
& 6619173655 T^{24} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 5152446782 T^{25} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 3100445642 T^{26} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 1488566728 T^{27} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 569779018 T^{28} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - \\
& 169661534 T^{29} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 36901443 T^{30} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 4845040 T^{31} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 15212 T^{32} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + 163782 T^{33} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 36216 T^{34} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 + \\
& 3784 T^{35} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 165 T^{36} \mathcal{A}_{\$[0]}^5 \mathcal{A}_{\$[4]}^3 - 160 T^2 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 5824 T^3 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 91968 T^4 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 873136 T^5 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - \\
& 5704400 T^6 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 27546256 T^7 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 102350896 T^8 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 298182480 T^9 \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - \\
& 678614016 T^{10} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 1151678624 T^{11} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 1179199216 T^{12} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 501931872 T^{13} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + \\
& 5763205936 T^{14} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 16193816368 T^{15} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 31578583376 T^{16} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 48729913296 T^{17} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + \\
& 61998086656 T^{18} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 65860605536 T^{19} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 58199089936 T^{20} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 41843039680 T^{21} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + \\
& 23012979280 T^{22} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 7749004768 T^{23} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 1021954480 T^{24} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 3929822768 T^{25} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - \\
& 3484657488 T^{26} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 2060843712 T^{27} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 913904800 T^{28} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 310211088 T^{29} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - \\
& 79011168 T^{30} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 14104176 T^{31} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 1414096 T^{32} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 25904 T^{33} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + \\
& 30720 T^{34} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 - 4048 T^{35} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 192 T^{36} \mathcal{A}_{\$[0]}^6 \mathcal{A}_{\$[4]}^3 + 544 T^2 \mathcal{A}_{\$[0]}^7 \mathcal{A}_{\$[4]}^3 - 15344 T^3 \mathcal{A}_{\$[0]}^7 \mathcal{A}_{\$[4]}^3 +
\end{aligned}$$

$$\begin{aligned}
& 212\,084\,T^4\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 1\,910\,600\,T^5\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 12\,571\,968\,T^6\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 64\,172\,712\,T^7\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + \\
& 263\,544\,940\,T^8\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 891\,837\,384\,T^9\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 2\,527\,100\,632\,T^{10}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 6\,058\,750\,728\,T^{11}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + \\
& 12\,358\,026\,532\,T^{12}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 21\,449\,602\,704\,T^{13}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 31\,461\,640\,604\,T^{14}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 38\,236\,524\,944\,T^{15}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + \\
& 36\,604\,709\,048\,T^{16}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 23\,343\,318\,608\,T^{17}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 137\,860\,532\,T^{18}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 25\,978\,477\,752\,T^{19}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - \\
& 45\,831\,700\,824\,T^{20}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 53\,136\,600\,280\,T^{21}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 47\,729\,165\,636\,T^{22}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 34\,729\,398\,040\,T^{23}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - \\
& 20\,712\,990\,028\,T^{24}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 10\,085\,288\,080\,T^{25}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 3\,941\,737\,496\,T^{26}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 1\,194\,101\,888\,T^{27}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - \\
& 260\,167\,368\,T^{28}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 32\,602\,416\,T^{29}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 703\,396\,T^{30}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 1\,095\,200\,T^{31}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + \\
& 142\,300\,T^{32}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 14\,216\,T^{33}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 6\,368\,T^{34}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + 720\,T^{35}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 - 28\,T^{36}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[4]}^4 + \\
& 1344\,T^3\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 37\,536\,T^4\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 507\,088\,T^5\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 4\,423\,104\,T^6\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 28\,031\,776\,T^7\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - \\
& 137\,618\,112\,T^8\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 544\,562\,000\,T^9\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 1\,783\,491\,632\,T^{10}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 4\,924\,114\,224\,T^{11}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - \\
& 11\,609\,465\,040\,T^{12}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 23\,580\,125\,888\,T^{13}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 41\,486\,727\,872\,T^{14}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 63\,382\,197\,040\,T^{15}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - \\
& 84\,026\,575\,136\,T^{16}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 96\,220\,857\,312\,T^{17}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 94\,197\,087\,904\,T^{18}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 77\,208\,145\,168\,T^{19}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - \\
& 50\,623\,054\,448\,T^{20}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 23\,309\,616\,832\,T^{21}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 2\,951\,630\,128\,T^{22}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 7\,406\,498\,064\,T^{23}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + \\
& 9\,482\,940\,144\,T^{24}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 7\,242\,822\,016\,T^{25}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 4\,138\,215\,456\,T^{26}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 1\,867\,376\,576\,T^{27}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + \\
& 674\,218\,032\,T^{28}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 193\,301\,808\,T^{29}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 42\,730\,800\,T^{30}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 6\,754\,704\,T^{31}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + \\
& 590\,752\,T^{32}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 23\,568\,T^{33}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 15\,216\,T^{34}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 + 1\,968\,T^{35}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - 96\,T^{36}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[4]}^4 - \\
& 128\,T^3\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 4\,356\,T^4\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 69\,912\,T^5\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 709\,576\,T^6\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 5\,145\,544\,T^7\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + \\
& 28\,526\,867\,T^8\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 126\,222\,506\,T^9\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 459\,029\,819\,T^{10}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 1\,401\,070\,864\,T^{11}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + \\
& 3\,644\,266\,770\,T^{12}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 8\,168\,037\,642\,T^{13}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 15\,901\,551\,404\,T^{14}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 27\,034\,605\,416\,T^{15}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + \\
& 40\,266\,249\,936\,T^{16}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 52\,599\,988\,462\,T^{17}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 60\,202\,679\,413\,T^{18}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 60\,164\,915\,152\,T^{19}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + \\
& 52\,157\,502\,026\,T^{20}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 38\,782\,768\,070\,T^{21}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 24\,253\,384\,468\,T^{22}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 12\,279\,568\,288\,T^{23}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + \\
& 4\,585\,521\,748\,T^{24}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 837\,153\,698\,T^{25}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 376\,937\,377\,T^{26}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 458\,331\,864\,T^{27}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - \\
& 258\,809\,597\,T^{28}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 101\,646\,000\,T^{29}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 29\,586\,887\,T^{30}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 6\,337\,504\,T^{31}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - \\
& 942\,879\,T^{32}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 82\,514\,T^{33}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 1420\,T^{34}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 - 456\,T^{35}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4 + 33\,T^{36}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[4]}^4)
\end{aligned}$$

» With LeafCount==17682, nC is

$$\begin{aligned}
& - \left(\hbar^7 \left(-61\,T^4 + 1946\,T^5 - 30\,075\,T^6 + 299\,616\,T^7 - 2\,154\,575\,T^8 + 11\,824\,924\,T^9 - 50\,740\,735\,T^{10} + 169\,105\,840\,T^{11} - 408\,002\,829\,T^{12} + \right. \right. \\
& 471\,645\,594\,T^{13} + 1\,579\,175\,322\,T^{14} - 13\,081\,044\,380\,T^{15} + 55\,236\,837\,999\,T^{16} - 178\,352\,524\,912\,T^{17} + 482\,991\,482\,550\,T^{18} - \\
& 1\,139\,447\,926\,128\,T^{19} + 2\,388\,957\,813\,024\,T^{20} - 4\,504\,974\,935\,068\,T^{21} + 7\,700\,655\,248\,058\,T^{22} - 11\,994\,641\,308\,636\,T^{23} + \\
& 17\,084\,111\,706\,454\,T^{24} - 22\,299\,679\,951\,932\,T^{25} + 26\,704\,708\,803\,790\,T^{26} - 29\,342\,547\,431\,988\,T^{27} + 29\,552\,659\,641\,328\,T^{28} - \\
& 27\,220\,130\,194\,956\,T^{29} + 22\,836\,281\,142\,750\,T^{30} - 17\,333\,702\,792\,724\,T^{31} + 11\,770\,004\,533\,064\,T^{32} - 7\,004\,293\,308\,148\,T^{33} + \\
& 3\,499\,027\,316\,912\,T^{34} - 1\,301\,437\,554\,392\,T^{35} + 167\,005\,222\,694\,T^{36} + 264\,581\,115\,528\,T^{37} - 324\,894\,997\,792\,T^{38} + \\
& 244\,153\,020\,328\,T^{39} - 144\,966\,173\,853\,T^{40} + 72\,504\,875\,606\,T^{41} - 31\,246\,206\,371\,T^{42} + 11\,687\,133\,948\,T^{43} - \\
& 3\,791\,181\,879\,T^{44} + 1\,059\,807\,164\,T^{45} - 252\,356\,797\,T^{46} + 50\,283\,068\,T^{47} - 8\,166\,589\,T^{48} + 1\,039\,038\,T^{49} - 97\,128\,T^{50} + \\
& 5928\,T^{51} - 177\,T^{52} + 128\,T^4\mathcal{A}_{\S[0]} - 4014\,T^5\mathcal{A}_{\S[0]} + 60\,554\,T^6\mathcal{A}_{\S[0]} - 583\,296\,T^7\mathcal{A}_{\S[0]} + 3\,998\,446\,T^8\mathcal{A}_{\S[0]} - \\
& 20\,415\,304\,T^9\mathcal{A}_{\S[0]} + 77\,555\,356\,T^{10}\mathcal{A}_{\S[0]} - 199\,922\,338\,T^{11}\mathcal{A}_{\S[0]} + 160\,606\,972\,T^{12}\mathcal{A}_{\S[0]} + 1\,679\,236\,264\,T^{13}\mathcal{A}_{\S[0]} - \\
& 12\,191\,463\,166\,T^{14}\mathcal{A}_{\S[0]} + 53\,303\,447\,738\,T^{15}\mathcal{A}_{\S[0]} - 182\,257\,260\,702\,T^{16}\mathcal{A}_{\S[0]} + 524\,752\,342\,794\,T^{17}\mathcal{A}_{\S[0]} - \\
& 1\,314\,954\,485\,450\,T^{18}\mathcal{A}_{\S[0]} + 2\,920\,473\,443\,166\,T^{19}\mathcal{A}_{\S[0]} - 5\,813\,546\,503\,412\,T^{20}\mathcal{A}_{\S[0]} + 10\,447\,664\,272\,422\,T^{21}\mathcal{A}_{\S[0]} - \\
& 17\,029\,915\,002\,994\,T^{22}\mathcal{A}_{\S[0]} + 25\,246\,604\,243\,404\,T^{23}\mathcal{A}_{\S[0]} - 34\,074\,777\,526\,980\,T^{24}\mathcal{A}_{\S[0]} + 41\,838\,590\,298\,730\,T^{25}\mathcal{A}_{\S[0]} - \\
& 46\,597\,144\,422\,748\,T^{26}\mathcal{A}_{\S[0]} + 46\,785\,370\,938\,984\,T^{27}\mathcal{A}_{\S[0]} - 41\,854\,972\,069\,444\,T^{28}\mathcal{A}_{\S[0]} + 32\,598\,765\,920\,698\,T^{29}\mathcal{A}_{\S[0]} - \\
& 20\,959\,836\,842\,538\,T^{30}\mathcal{A}_{\S[0]} + 9\,379\,885\,349\,280\,T^{31}\mathcal{A}_{\S[0]} + 19\,454\,270\,356\,T^{32}\mathcal{A}_{\S[0]} - 6\,052\,917\,768\,710\,T^{33}\mathcal{A}_{\S[0]} + \\
& 8\,646\,931\,049\,222\,T^{34}\mathcal{A}_{\S[0]} - 8\,579\,216\,944\,494\,T^{35}\mathcal{A}_{\S[0]} + 6\,989\,236\,021\,270\,T^{36}\mathcal{A}_{\S[0]} - 4\,919\,026\,303\,434\,T^{37}\mathcal{A}_{\S[0]} + \\
& 3\,053\,945\,310\,904\,T^{38}\mathcal{A}_{\S[0]} - 1\,688\,069\,996\,070\,T^{39}\mathcal{A}_{\S[0]} + 833\,611\,714\,942\,T^{40}\mathcal{A}_{\S[0]} - 367\,739\,407\,198\,T^{41}\mathcal{A}_{\S[0]} + \\
& 144\,523\,098\,678\,T^{42}\mathcal{A}_{\S[0]} - 50\,344\,853\,458\,T^{43}\mathcal{A}_{\S[0]} + 15\,428\,719\,082\,T^{44}\mathcal{A}_{\S[0]} - 4\,116\,610\,844\,T^{45}\mathcal{A}_{\S[0]} + \\
& 942\,820\,892\,T^{46}\mathcal{A}_{\S[0]} - 181\,782\,180\,T^{47}\mathcal{A}_{\S[0]} + 28\,707\,838\,T^{48}\mathcal{A}_{\S[0]} - 3\,565\,996\,T^{49}\mathcal{A}_{\S[0]} + 326\,570\,T^{50}\mathcal{A}_{\S[0]} - \\
& 19\,584\,T^{51}\mathcal{A}_{\S[0]} + 576\,T^{52}\mathcal{A}_{\S[0]} - 36\,T^2\mathcal{A}_{\S[0]}^2 + 1008\,T^3\mathcal{A}_{\S[0]}^2 - 13\,932\,T^4\mathcal{A}_{\S[0]}^2 + 125\,212\,T^5\mathcal{A}_{\S[0]}^2 - 814\,117\,T^6\mathcal{A}_{\S[0]}^2 + \\
& 4\,025\,776\,T^7\mathcal{A}_{\S[0]}^2 - 15\,354\,035\,T^8\mathcal{A}_{\S[0]}^2 + 43\,486\,768\,T^9\mathcal{A}_{\S[0]}^2 - 72\,386\,960\,T^{10}\mathcal{A}_{\S[0]}^2 - 87\,851\,498\,T^{11}\mathcal{A}_{\S[0]}^2 + \\
& 1\,349\,696\,936\,T^{12}\mathcal{A}_{\S[0]}^2 - 6\,966\,332\,536\,T^{13}\mathcal{A}_{\S[0]}^2 + 26\,520\,238\,016\,T^{14}\mathcal{A}_{\S[0]}^2 - 84\,169\,194\,020\,T^{15}\mathcal{A}_{\S[0]}^2 + \\
& 232\,591\,757\,139\,T^{16}\mathcal{A}_{\S[0]}^2 - 570\,822\,531\,848\,T^{17}\mathcal{A}_{\S[0]}^2 + 1\,256\,614\,441\,881\,T^{18}\mathcal{A}_{\S[0]}^2 - 2\,493\,638\,401\,484\,T^{19}\mathcal{A}_{\S[0]}^2 + \\
& 4\,468\,238\,742\,747\,T^{20}\mathcal{A}_{\S[0]}^2 - 7\,222\,137\,207\,898\,T^{21}\mathcal{A}_{\S[0]}^2 + 10\,485\,125\,873\,107\,T^{22}\mathcal{A}_{\S[0]}^2 - 13\,545\,996\,234\,658\,T^{23}\mathcal{A}_{\S[0]}^2 + \\
& 15\,275\,894\,356\,725\,T^{24}\mathcal{A}_{\S[0]}^2 - 14\,390\,588\,668\,106\,T^{25}\mathcal{A}_{\S[0]}^2 + 9\,928\,204\,983\,687\,T^{26}\mathcal{A}_{\S[0]}^2 - 1\,769\,155\,466\,888\,T^{27}\mathcal{A}_{\S[0]}^2 - \\
& 9\,068\,410\,656\,235\,T^{28}\mathcal{A}_{\S[0]}^2 + 20\,572\,018\,076\,034\,T^{29}\mathcal{A}_{\S[0]}^2 - 30\,329\,008\,098\,290\,T^{30}\mathcal{A}_{\S[0]}^2 + 36\,337\,331\,515\,042\,T^{31}\mathcal{A}_{\S[0]}^2 -
\end{aligned}$$

$$\begin{aligned}
& 37\,665\,789\,407\,746\,T^{32}\mathcal{A}_{\$[0]}^2 + 34\,669\,448\,623\,804\,T^{33}\mathcal{A}_{\$[0]}^2 - 28\,701\,845\,789\,752\,T^{34}\mathcal{A}_{\$[0]}^2 + 21\,514\,659\,462\,038\,T^{35}\mathcal{A}_{\$[0]}^2 - \\
& 14\,650\,858\,733\,355\,T^{36}\mathcal{A}_{\$[0]}^2 + 9\,074\,432\,108\,522\,T^{37}\mathcal{A}_{\$[0]}^2 - 5\,110\,548\,876\,249\,T^{38}\mathcal{A}_{\$[0]}^2 + 2\,612\,963\,070\,730\,T^{39}\mathcal{A}_{\$[0]}^2 - \\
& 1\,209\,618\,772\,249\,T^{40}\mathcal{A}_{\$[0]}^2 + 505\,058\,346\,510\,T^{41}\mathcal{A}_{\$[0]}^2 - 189\,226\,122\,518\,T^{42}\mathcal{A}_{\$[0]}^2 + 63\,193\,146\,850\,T^{43}\mathcal{A}_{\$[0]}^2 - \\
& 18\,649\,769\,266\,T^{44}\mathcal{A}_{\$[0]}^2 + 4\,810\,069\,330\,T^{45}\mathcal{A}_{\$[0]}^2 - 1\,068\,405\,723\,T^{46}\mathcal{A}_{\$[0]}^2 + 200\,375\,642\,T^{47}\mathcal{A}_{\$[0]}^2 - 30\,866\,430\,T^{48}\mathcal{A}_{\$[0]}^2 + \\
& 3\,749\,808\,T^{49}\mathcal{A}_{\$[0]}^2 - 336\,706\,T^{50}\mathcal{A}_{\$[0]}^2 + 19\,846\,T^{51}\mathcal{A}_{\$[0]}^2 - 575\,T^{52}\mathcal{A}_{\$[0]}^2 + 48\,T\mathcal{A}_{\$[0]}^3 - 912\,T^2\mathcal{A}_{\$[0]}^3 + 6408\,T^3\mathcal{A}_{\$[0]}^3 + \\
& 2480\,T^4\mathcal{A}_{\$[0]}^3 - 461\,788\,T^5\mathcal{A}_{\$[0]}^3 + 5\,007\,628\,T^6\mathcal{A}_{\$[0]}^3 - 33\,709\,584\,T^7\mathcal{A}_{\$[0]}^3 + 169\,674\,764\,T^8\mathcal{A}_{\$[0]}^3 - 684\,225\,496\,T^9\mathcal{A}_{\$[0]}^3 + \\
& 2\,289\,277\,624\,T^{10}\mathcal{A}_{\$[0]}^3 - 6\,479\,145\,596\,T^{11}\mathcal{A}_{\$[0]}^3 + 15\,654\,071\,680\,T^{12}\mathcal{A}_{\$[0]}^3 - 32\,265\,606\,424\,T^{13}\mathcal{A}_{\$[0]}^3 + \\
& 55\,882\,809\,228\,T^{14}\mathcal{A}_{\$[0]}^3 - 77\,533\,745\,340\,T^{15}\mathcal{A}_{\$[0]}^3 + 72\,723\,077\,828\,T^{16}\mathcal{A}_{\$[0]}^3 + 1\,737\,934\,116\,T^{17}\mathcal{A}_{\$[0]}^3 - \\
& 198\,112\,777\,348\,T^{18}\mathcal{A}_{\$[0]}^3 + 545\,987\,766\,364\,T^{19}\mathcal{A}_{\$[0]}^3 - 996\,364\,894\,192\,T^{20}\mathcal{A}_{\$[0]}^3 + 1\,356\,145\,912\,812\,T^{21}\mathcal{A}_{\$[0]}^3 - \\
& 1\,248\,251\,216\,524\,T^{22}\mathcal{A}_{\$[0]}^3 + 144\,181\,975\,816\,T^{23}\mathcal{A}_{\$[0]}^3 + 2\,498\,139\,461\,200\,T^{24}\mathcal{A}_{\$[0]}^3 - 7\,005\,196\,040\,572\,T^{25}\mathcal{A}_{\$[0]}^3 + \\
& 13\,246\,003\,225\,184\,T^{26}\mathcal{A}_{\$[0]}^3 - 20\,500\,723\,701\,984\,T^{27}\mathcal{A}_{\$[0]}^3 + 27\,546\,157\,779\,328\,T^{28}\mathcal{A}_{\$[0]}^3 - 32\,974\,980\,578\,508\,T^{29}\mathcal{A}_{\$[0]}^3 + \\
& 35\,642\,382\,911\,580\,T^{30}\mathcal{A}_{\$[0]}^3 - 35\,050\,447\,397\,536\,T^{31}\mathcal{A}_{\$[0]}^3 + 31\,496\,447\,322\,072\,T^{32}\mathcal{A}_{\$[0]}^3 - 25\,924\,771\,772\,492\,T^{33}\mathcal{A}_{\$[0]}^3 + \\
& 19\,566\,835\,239\,028\,T^{34}\mathcal{A}_{\$[0]}^3 - 13\,543\,046\,563\,596\,T^{35}\mathcal{A}_{\$[0]}^3 + 8\,589\,960\,875\,844\,T^{36}\mathcal{A}_{\$[0]}^3 - 4\,985\,678\,950\,684\,T^{37}\mathcal{A}_{\$[0]}^3 + \\
& 2\,642\,392\,357\,776\,T^{38}\mathcal{A}_{\$[0]}^3 - 1\,275\,217\,989\,132\,T^{39}\mathcal{A}_{\$[0]}^3 + 558\,371\,292\,364\,T^{40}\mathcal{A}_{\$[0]}^3 - 220\,832\,147\,724\,T^{41}\mathcal{A}_{\$[0]}^3 + \\
& 78\,448\,313\,556\,T^{42}\mathcal{A}_{\$[0]}^3 - 24\,858\,985\,028\,T^{43}\mathcal{A}_{\$[0]}^3 + 6\,966\,224\,020\,T^{44}\mathcal{A}_{\$[0]}^3 - 1\,707\,395\,144\,T^{45}\mathcal{A}_{\$[0]}^3 + \\
& 360\,789\,696\,T^{46}\mathcal{A}_{\$[0]}^3 - 64\,473\,424\,T^{47}\mathcal{A}_{\$[0]}^3 + 9\,484\,060\,T^{48}\mathcal{A}_{\$[0]}^3 - 1\,103\,440\,T^{49}\mathcal{A}_{\$[0]}^3 + 95\,228\,T^{50}\mathcal{A}_{\$[0]}^3 - \\
& 5416\,T^{51}\mathcal{A}_{\$[0]}^3 + 152\,T^{52}\mathcal{A}_{\$[0]}^3 - 192\,T\mathcal{A}_{\$[0]}^4 + 4632\,T^2\mathcal{A}_{\$[0]}^4 - 54\,576\,T^3\mathcal{A}_{\$[0]}^4 + 414\,909\,T^4\mathcal{A}_{\$[0]}^4 - 2\,260\,892\,T^5\mathcal{A}_{\$[0]}^4 + \\
& 9\,239\,398\,T^6\mathcal{A}_{\$[0]}^4 - 28\,494\,544\,T^7\mathcal{A}_{\$[0]}^4 + 63\,014\,884\,T^8\mathcal{A}_{\$[0]}^4 - 75\,612\,828\,T^9\mathcal{A}_{\$[0]}^4 - 94\,024\,829\,T^{10}\mathcal{A}_{\$[0]}^4 + \\
& 815\,588\,152\,T^{11}\mathcal{A}_{\$[0]}^4 - 2\,536\,838\,743\,T^{12}\mathcal{A}_{\$[0]}^4 + 4\,969\,068\,166\,T^{13}\mathcal{A}_{\$[0]}^4 - 5\,106\,605\,128\,T^{14}\mathcal{A}_{\$[0]}^4 - 5\,670\,756\,310\,T^{15}\mathcal{A}_{\$[0]}^4 + \\
& 43\,386\,228\,184\,T^{16}\mathcal{A}_{\$[0]}^4 - 128\,013\,826\,446\,T^{17}\mathcal{A}_{\$[0]}^4 + 270\,337\,447\,395\,T^{18}\mathcal{A}_{\$[0]}^4 - 448\,620\,968\,702\,T^{19}\mathcal{A}_{\$[0]}^4 + \\
& 583\,095\,594\,729\,T^{20}\mathcal{A}_{\$[0]}^4 - 525\,227\,439\,124\,T^{21}\mathcal{A}_{\$[0]}^4 + 80\,521\,607\,761\,T^{22}\mathcal{A}_{\$[0]}^4 + 927\,823\,097\,442\,T^{23}\mathcal{A}_{\$[0]}^4 - \\
& 2\,569\,989\,945\,215\,T^{24}\mathcal{A}_{\$[0]}^4 + 4\,733\,554\,637\,672\,T^{25}\mathcal{A}_{\$[0]}^4 - 7\,104\,968\,089\,373\,T^{26}\mathcal{A}_{\$[0]}^4 + 9\,233\,762\,752\,604\,T^{27}\mathcal{A}_{\$[0]}^4 - \\
& 10\,665\,863\,235\,957\,T^{28}\mathcal{A}_{\$[0]}^4 + 11\,094\,354\,880\,340\,T^{29}\mathcal{A}_{\$[0]}^4 - 10\,462\,023\,819\,874\,T^{30}\mathcal{A}_{\$[0]}^4 + 8\,970\,468\,944\,034\,T^{31}\mathcal{A}_{\$[0]}^4 - \\
& 6\,995\,349\,382\,514\,T^{32}\mathcal{A}_{\$[0]}^4 + 4\,950\,951\,996\,274\,T^{33}\mathcal{A}_{\$[0]}^4 - 3\,165\,475\,262\,530\,T^{34}\mathcal{A}_{\$[0]}^4 + 1\,813\,681\,233\,300\,T^{35}\mathcal{A}_{\$[0]}^4 - \\
& 918\,586\,655\,253\,T^{36}\mathcal{A}_{\$[0]}^4 + 401\,165\,200\,820\,T^{37}\mathcal{A}_{\$[0]}^4 - 143\,244\,349\,263\,T^{38}\mathcal{A}_{\$[0]}^4 + 35\,651\,316\,784\,T^{39}\mathcal{A}_{\$[0]}^4 - \\
& 865\,405\,372\,T^{40}\mathcal{A}_{\$[0]}^4 - 5\,542\,262\,626\,T^{41}\mathcal{A}_{\$[0]}^4 + 4\,078\,680\,895\,T^{42}\mathcal{A}_{\$[0]}^4 - 1\,965\,070\,360\,T^{43}\mathcal{A}_{\$[0]}^4 + 738\,879\,703\,T^{44}\mathcal{A}_{\$[0]}^4 - \\
& 226\,570\,754\,T^{45}\mathcal{A}_{\$[0]}^4 + 57\,160\,868\,T^{46}\mathcal{A}_{\$[0]}^4 - 11\,769\,498\,T^{47}\mathcal{A}_{\$[0]}^4 + 1\,935\,785\,T^{48}\mathcal{A}_{\$[0]}^4 - 244\,906\,T^{49}\mathcal{A}_{\$[0]}^4 + \\
& 22\,344\,T^{50}\mathcal{A}_{\$[0]}^4 - 1302\,T^{51}\mathcal{A}_{\$[0]}^4 + 36\,T^{52}\mathcal{A}_{\$[0]}^4 + 128\,T^3\mathcal{A}_{\$[11]} - 4014\,T^4\mathcal{A}_{\$[11]} + 60\,554\,T^5\mathcal{A}_{\$[11]} - 583\,296\,T^6\mathcal{A}_{\$[11]} + \\
& 3\,998\,446\,T^7\mathcal{A}_{\$[11]} - 20\,416\,744\,T^8\mathcal{A}_{\$[11]} + 77\,588\,044\,T^9\mathcal{A}_{\$[11]} - 200\,289\,106\,T^{10}\mathcal{A}_{\$[11]} + 163\,313\,980\,T^{11}\mathcal{A}_{\$[11]} + \\
& 1\,664\,479\,576\,T^{12}\mathcal{A}_{\$[11]} - 12\,128\,227\,726\,T^{13}\mathcal{A}_{\$[11]} + 53\,082\,140\,810\,T^{14}\mathcal{A}_{\$[11]} - 181\,608\,660\,222\,T^{15}\mathcal{A}_{\$[11]} + \\
& 523\,133\,251\,626\,T^{16}\mathcal{A}_{\$[11]} - 1\,311\,472\,569\,386\,T^{17}\mathcal{A}_{\$[11]} + 2\,913\,977\,002\,638\,T^{18}\mathcal{A}_{\$[11]} - 5\,802\,998\,379\,140\,T^{19}\mathcal{A}_{\$[11]} + \\
& 10\,432\,781\,539\,158\,T^{20}\mathcal{A}_{\$[11]} - 17\,011\,815\,844\,930\,T^{21}\mathcal{A}_{\$[11]} + 25\,228\,027\,751\,404\,T^{22}\mathcal{A}_{\$[11]} - 34\,059\,537\,802\,116\,T^{23}\mathcal{A}_{\$[11]} + \\
& 41\,830\,332\,362\,266\,T^{24}\mathcal{A}_{\$[11]} - 46\,597\,946\,283\,868\,T^{25}\mathcal{A}_{\$[11]} + 46\,794\,917\,438\,952\,T^{26}\mathcal{A}_{\$[11]} - 41\,870\,736\,700\,804\,T^{27}\mathcal{A}_{\$[11]} + \\
& 32\,617\,066\,456\,282\,T^{28}\mathcal{A}_{\$[11]} - 20\,977\,178\,898\,042\,T^{29}\mathcal{A}_{\$[11]} + 9\,393\,953\,390\,640\,T^{30}\mathcal{A}_{\$[11]} + 9\,490\,624\,900\,T^{31}\mathcal{A}_{\$[11]} - \\
& 6\,046\,705\,046\,054\,T^{32}\mathcal{A}_{\$[11]} + 8\,643\,512\,396\,486\,T^{33}\mathcal{A}_{\$[11]} - 8\,577\,559\,417\,902\,T^{34}\mathcal{A}_{\$[11]} + 6\,988\,531\,288\,774\,T^{35}\mathcal{A}_{\$[11]} - \\
& 4\,918\,765\,649\,418\,T^{36}\mathcal{A}_{\$[11]} + 3\,053\,862\,436\,552\,T^{37}\mathcal{A}_{\$[11]} - 1\,688\,047\,728\,726\,T^{38}\mathcal{A}_{\$[11]} + 833\,606\,782\,894\,T^{39}\mathcal{A}_{\$[11]} - \\
& 367\,738\,539\,886\,T^{40}\mathcal{A}_{\$[11]} + 144\,522\,984\,822\,T^{41}\mathcal{A}_{\$[11]} - 50\,344\,843\,522\,T^{42}\mathcal{A}_{\$[11]} + 15\,428\,718\,650\,T^{43}\mathcal{A}_{\$[11]} - \\
& 4\,116\,610\,844\,T^{44}\mathcal{A}_{\$[11]} + 942\,820\,892\,T^{45}\mathcal{A}_{\$[11]} - 181\,782\,180\,T^{46}\mathcal{A}_{\$[11]} + 28\,707\,838\,T^{47}\mathcal{A}_{\$[11]} - 3\,565\,996\,T^{48}\mathcal{A}_{\$[11]} + \\
& 326\,570\,T^{49}\mathcal{A}_{\$[11]} - 19\,584\,T^{50}\mathcal{A}_{\$[11]} + 576\,T^{51}\mathcal{A}_{\$[11]} - 240\,T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 7328\,T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 106\,784\,T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + \\
& 979\,208\,T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 6\,219\,368\,T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 27\,753\,104\,T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 77\,352\,432\,T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + \\
& 15\,870\,432\,T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 1\,283\,102\,656\,T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 9\,102\,161\,584\,T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 42\,137\,221\,456\,T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - \\
& 154\,102\,864\,768\,T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 473\,957\,672\,512\,T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 1\,262\,914\,612\,904\,T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + \\
& 2\,964\,914\,266\,600\,T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 6\,195\,600\,579\,872\,T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 11\,593\,671\,751\,904\,T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - \\
& 19\,483\,813\,261\,752\,T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 29\,399\,727\,168\,456\,T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 39\,668\,204\,634\,112\,T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + \\
& 47\,369\,126\,202\,864\,T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 48\,935\,490\,797\,784\,T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 41\,380\,007\,923\,256\,T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - \\
& 23\,728\,761\,490\,032\,T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 2\,040\,949\,089\,968\,T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 31\,172\,192\,826\,152\,T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - \\
& 57\,521\,601\,291\,080\,T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 75\,631\,333\,114\,344\,T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 82\,539\,517\,351\,576\,T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + \\
& 78\,519\,514\,446\,568\,T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 66\,518\,179\,689\,400\,T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 50\,719\,053\,233\,240\,T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - \\
& 34\,996\,021\,581\,496\,T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 21\,904\,338\,492\,080\,T^{36}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 12\,442\,080\,717\,152\,T^{37}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + \\
& 6\,406\,842\,800\,088\,T^{38}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 2\,983\,723\,415\,976\,T^{39}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 1\,252\,177\,114\,304\,T^{40}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - \\
& 471\,202\,655\,392\,T^{41}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 157\,958\,151\,232\,T^{42}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 46\,770\,904\,032\,T^{43}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} +
\end{aligned}$$

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$$\begin{aligned}
& 12\,097\,659\,760\,T^{44}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 2\,693\,875\,024\,T^{45}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 506\,339\,608\,T^{46}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 78\,148\,568\,T^{47}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + \\
& 9\,509\,944\,T^{48}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 855\,192\,T^{49}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} + 50\,472\,T^{50}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 1464\,T^{51}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]} - 144\,T^2\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 3336\,T^3\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 32\,592\,T^4\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 142\,952\,T^5\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 276\,648\,T^6\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 9\,328\,176\,T^7\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 82\,347\,888\,T^8\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 494\,970\,088\,T^9\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 2\,352\,666\,896\,T^{10}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 9\,388\,564\,904\,T^{11}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 32\,454\,011\,328\,T^{12}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 98\,934\,146\,400\,T^{13}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 268\,711\,471\,184\,T^{14}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - \\
& 653\,667\,397\,496\,T^{15}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 1426\,150\,143\,288\,T^{16}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 2\,784\,400\,109\,496\,T^{17}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 4\,830\,747\,226\,592\,T^{18}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 7\,334\,330\,897\,376\,T^{19}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 9\,416\,311\,409\,160\,T^{20}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - \\
& 9\,305\,447\,337\,208\,T^{21}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 4\,405\,149\,911\,648\,T^{22}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 8\,111\,449\,143\,344\,T^{23}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - \\
& 30\,176\,081\,922\,088\,T^{24}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 61\,521\,093\,530\,440\,T^{25}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 98\,840\,311\,940\,416\,T^{26}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 136\,039\,535\,822\,624\,T^{27}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 165\,765\,372\,970\,488\,T^{28}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 181\,730\,091\,625\,576\,T^{29}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - \\
& 180\,844\,253\,575\,288\,T^{30}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 164\,181\,929\,176\,760\,T^{31}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 136\,368\,949\,024\,104\,T^{32}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 103\,767\,395\,485\,112\,T^{33}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 72\,356\,921\,004\,696\,T^{34}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 46\,207\,993\,314\,744\,T^{35}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - \\
& 26\,989\,109\,317\,232\,T^{36}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 14\,387\,987\,004\,912\,T^{37}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 6\,981\,362\,018\,184\,T^{38}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 3\,072\,230\,024\,992\,T^{39}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 1\,220\,654\,345\,792\,T^{40}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 435\,450\,908\,840\,T^{41}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - \\
& 138\,512\,764\,736\,T^{42}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 38\,947\,696\,328\,T^{43}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 9\,574\,749\,968\,T^{44}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 2\,028\,592\,808\,T^{45}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 363\,343\,592\,T^{46}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 53\,553\,712\,T^{47}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 6\,241\,448\,T^{48}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + \\
& 539\,464\,T^{49}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 30\,728\,T^{50}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} + 864\,T^{51}\mathcal{A}_{\$[0]}^2\mathcal{A}_{\$[11]} - 288\,T\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 8352\,T^2\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 117\,992\,T^3\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 1\,063\,232\,T^4\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 6\,770\,448\,T^5\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 31\,830\,824\,T^6\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 110\,417\,272\,T^7\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 258\,496\,080\,T^8\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 194\,725\,144\,T^9\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 1\,681\,082\,944\,T^{10}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + \\
& 10\,932\,526\,024\,T^{11}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 42\,252\,632\,464\,T^{12}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 126\,893\,415\,152\,T^{13}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 319\,042\,790\,992\,T^{14}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 693\,208\,818\,592\,T^{15}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 1\,320\,795\,994\,264\,T^{16}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + \\
& 2\,215\,167\,691\,248\,T^{17}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 3\,245\,166\,981\,152\,T^{18}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 4\,039\,188\,802\,008\,T^{19}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 3\,930\,475\,417\,896\,T^{20}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 2\,013\,913\,057\,392\,T^{21}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 2\,628\,834\,854\,064\,T^{22}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 10\,544\,653\,258\,616\,T^{23}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 21\,481\,522\,552\,280\,T^{24}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 34\,130\,254\,662\,240\,T^{25}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + \\
& 46\,248\,118\,857\,808\,T^{26}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 55\,234\,529\,900\,136\,T^{27}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 58\,988\,757\,444\,872\,T^{28}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 56\,681\,608\,845\,496\,T^{29}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 49\,064\,362\,125\,688\,T^{30}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 38\,155\,042\,263\,464\,T^{31}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + \\
& 26\,462\,780\,091\,784\,T^{32}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 16\,134\,307\,833\,624\,T^{33}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 8\,399\,271\,977\,608\,T^{34}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 3\,481\,469\,511\,344\,T^{35}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 886\,634\,394\,704\,T^{36}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 169\,191\,429\,928\,T^{37}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 410\,531\,919\,864\,T^{38}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 333\,470\,154\,120\,T^{39}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 196\,729\,120\,736\,T^{40}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + \\
& 94\,390\,201\,320\,T^{41}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 38\,130\,092\,512\,T^{42}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 13\,104\,688\,616\,T^{43}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 3\,828\,087\,040\,T^{44}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 942\,226\,064\,T^{45}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 192\,307\,624\,T^{46}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 31\,742\,416\,T^{47}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - \\
& 4\,076\,856\,T^{48}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 382\,600\,T^{49}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} - 23\,352\,T^{50}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 696\,T^{51}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]} + 48\,T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 240\,T\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 10\,896\,T^2\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 221\,280\,T^3\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 2\,263\,330\,T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 15\,806\,158\,T^5\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 83\,608\,744\,T^6\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 353\,301\,506\,T^7\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 1\,232\,888\,344\,T^8\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 3\,641\,109\,508\,T^9\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 9\,312\,273\,342\,T^{10}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 21\,228\,659\,348\,T^{11}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 45\,029\,539\,880\,T^{12}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + \\
& 94\,225\,630\,270\,T^{13}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 204\,813\,409\,178\,T^{14}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 465\,758\,152\,470\,T^{15}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 1\,066\,035\,158\,226\,T^{16}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 2\,343\,228\,964\,138\,T^{17}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 4\,797\,488\,235\,790\,T^{18}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + \\
& 9\,023\,163\,391\,356\,T^{19}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 15\,528\,232\,267\,182\,T^{20}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 24\,466\,001\,120\,114\,T^{21}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 35\,374\,816\,810\,748\,T^{22}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 47\,065\,506\,478\,956\,T^{23}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 57\,770\,192\,316\,962\,T^{24}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + \\
& 65\,562\,630\,562\,060\,T^{25}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 68\,923\,188\,763\,464\,T^{26}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 67\,227\,044\,610\,268\,T^{27}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 60\,944\,569\,513\,970\,T^{28}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 51\,463\,986\,331\,922\,T^{29}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 40\,617\,863\,923\,416\,T^{30}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + \\
& 30\,123\,627\,770\,964\,T^{31}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 21\,165\,189\,866\,322\,T^{32}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 14\,246\,694\,990\,978\,T^{33}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 9\,304\,879\,233\,018\,T^{34}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 5\,958\,698\,337\,530\,T^{35}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 3\,753\,381\,733\,766\,T^{36}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + \\
& 2\,309\,951\,165\,856\,T^{37}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 1\,368\,754\,251\,810\,T^{38}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 767\,134\,767\,682\,T^{39}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 399\,875\,999\,058\,T^{40}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 191\,114\,694\,794\,T^{41}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 82\,762\,472\,526\,T^{42}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + \\
& 32\,138\,838\,438\,T^{43}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 11\,079\,514\,916\,T^{44}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 3\,354\,532\,012\,T^{45}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 880\,894\,468\,T^{46}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 197\,542\,970\,T^{47}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 37\,075\,276\,T^{48}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 5\,665\,310\,T^{49}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - \\
& 677\,176\,T^{50}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 59\,424\,T^{51}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 3408\,T^{52}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} + 96\,T^{53}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]} - 72\,T^2\mathcal{A}_{\$[11]}^2 + \\
& 2164\,T^3\mathcal{A}_{\$[11]}^2 - 30\,541\,T^4\mathcal{A}_{\$[11]}^2 + 264\,712\,T^5\mathcal{A}_{\$[11]}^2 - 1\,513\,259\,T^6\mathcal{A}_{\$[11]}^2 + 5\,261\,584\,T^7\mathcal{A}_{\$[11]}^2 - 2\,644\,772\,T^8\mathcal{A}_{\$[11]}^2 - \\
& 106\,840\,154\,T^9\mathcal{A}_{\$[11]}^2 + 890\,701\,808\,T^{10}\mathcal{A}_{\$[11]}^2 - 4\,687\,799\,536\,T^{11}\mathcal{A}_{\$[11]}^2 + 19\,213\,819\,628\,T^{12}\mathcal{A}_{\$[11]}^2 -
\end{aligned}$$

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$$\begin{aligned}
& 65\,615\,287\,796\,T^{13}\mathcal{A}_{\S[11]}^2 + 192\,820\,271\,655\,T^{14}\mathcal{A}_{\S[11]}^2 - 496\,661\,744\,072\,T^{15}\mathcal{A}_{\S[11]}^2 + 1\,134\,186\,722\,241\,T^{16}\mathcal{A}_{\S[11]}^2 - \\
& 2\,312\,556\,149\,372\,T^{17}\mathcal{A}_{\S[11]}^2 + 4\,226\,044\,079\,931\,T^{18}\mathcal{A}_{\S[11]}^2 - 6\,926\,855\,565\,418\,T^{19}\mathcal{A}_{\S[11]}^2 + 10\,154\,361\,127\,891\,T^{20}\mathcal{A}_{\S[11]}^2 - \\
& 13\,202\,658\,734\,314\,T^{21}\mathcal{A}_{\S[11]}^2 + 14\,942\,417\,138\,097\,T^{22}\mathcal{A}_{\S[11]}^2 - 14\,084\,181\,662\,042\,T^{23}\mathcal{A}_{\S[11]}^2 + 9\,658\,893\,629\,511\,T^{24}\mathcal{A}_{\S[11]}^2 - \\
& 1\,540\,665\,758\,816\,T^{25}\mathcal{A}_{\S[11]}^2 - 9\,256\,281\,067\,771\,T^{26}\mathcal{A}_{\S[11]}^2 + 20\,721\,244\,326\,234\,T^{27}\mathcal{A}_{\S[11]}^2 - 30\,442\,370\,495\,438\,T^{28}\mathcal{A}_{\S[11]}^2 + \\
& 36\,418\,505\,867\,170\,T^{29}\mathcal{A}_{\S[11]}^2 - 37\,719\,685\,536\,262\,T^{30}\mathcal{A}_{\S[11]}^2 + 34\,702\,068\,883\,684\,T^{31}\mathcal{A}_{\S[11]}^2 - 28\,719\,518\,632\,204\,T^{32}\mathcal{A}_{\S[11]}^2 + \\
& 21\,523\,041\,917\,342\,T^{33}\mathcal{A}_{\S[11]}^2 - 14\,654\,224\,581\,867\,T^{34}\mathcal{A}_{\S[11]}^2 + 9\,075\,501\,190\,178\,T^{35}\mathcal{A}_{\S[11]}^2 - 5\,110\,764\,719\,325\,T^{36}\mathcal{A}_{\S[11]}^2 + \\
& 2\,612\,948\,947\,090\,T^{37}\mathcal{A}_{\S[11]}^2 - 1\,209\,580\,226\,437\,T^{38}\mathcal{A}_{\S[11]}^2 + 505\,036\,688\,238\,T^{39}\mathcal{A}_{\S[11]}^2 - 189\,217\,916\,138\,T^{40}\mathcal{A}_{\S[11]}^2 + \\
& 63\,190\,780\,570\,T^{41}\mathcal{A}_{\S[11]}^2 - 18\,649\,238\,890\,T^{42}\mathcal{A}_{\S[11]}^2 + 4\,809\,978\,490\,T^{43}\mathcal{A}_{\S[11]}^2 - 1\,068\,394\,431\,T^{44}\mathcal{A}_{\S[11]}^2 + \\
& 200\,374\,730\,T^{45}\mathcal{A}_{\S[11]}^2 - 30\,866\,394\,T^{46}\mathcal{A}_{\S[11]}^2 + 3\,749\,808\,T^{47}\mathcal{A}_{\S[11]}^2 - 336\,706\,T^{48}\mathcal{A}_{\S[11]}^2 + 19\,846\,T^{49}\mathcal{A}_{\S[11]}^2 - \\
& 575\,T^{50}\mathcal{A}_{\S[11]}^2 + 120\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3744\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 55\,064\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 498\,024\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 2\,997\,120\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 11\,507\,760\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 15\,983\,240\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 140\,269\,712\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 1\,376\,648\,024\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 7\,450\,094\,496\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 30\,319\,342\,032\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 100\,747\,776\,752\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 283\,007\,075\,768\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 683\,103\,629\,304\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 1\,424\,144\,755\,224\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,549\,480\,902\,880\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3\,824\,883\,843\,552\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 4\,467\,136\,785\,432\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 2\,925\,225\,433\,624\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3\,070\,400\,662\,528\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 15\,988\,221\,613\,376\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 37\,490\,341\,613\,272\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 67\,248\,922\,081\,336\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 102\,169\,807\,646\,944\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 136\,606\,475\,451\,200\,T^{26}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 163\,756\,479\,581\,256\,T^{27}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 177\,810\,253\,417\,096\,T^{28}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 175\,939\,728\,204\,424\,T^{29}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 159\,210\,599\,774\,600\,T^{30}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 132\,020\,941\,296\,744\,T^{31}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 100\,402\,797\,436\,136\,T^{32}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 70\,027\,101\,756\,360\,T^{33}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 44\,757\,235\,441\,848\,T^{34}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 26\,175\,678\,770\,576\,T^{35}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 13\,977\,761\,611\,824\,T^{36}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 6\,795\,836\,564\,328\,T^{37}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,997\,341\,936\,224\,T^{38}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,193\,849\,523\,200\,T^{39}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 427\,016\,431\,112\,T^{40}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 136\,205\,637\,536\,T^{41}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 38\,407\,093\,640\,T^{42}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 9\,468\,336\,560\,T^{43}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,011\,462\,664\,T^{44}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 361\,174\,760\,T^{45}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 53\,350\,720\,T^{46}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 6\,228\,920\,T^{47}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 539\,080\,T^{48}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 30\,728\,T^{49}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 864\,T^{50}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1092\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 31\,392\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 432\,576\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3\,822\,120\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 24\,331\,704\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 118\,315\,392\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 451\,184\,916\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 1\,341\,982\,656\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 2\,892\,567\,252\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 2\,832\,026\,328\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 10\,947\,131\,784\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 80\,368\,896\,744\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 321\,344\,832\,504\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1\,005\,663\,143\,376\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 2\,686\,074\,658\,452\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 6\,342\,777\,793\,704\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 13\,479\,958\,370\,364\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 26\,046\,357\,912\,936\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 46\,039\,522\,166\,628\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 74\,736\,975\,712\,392\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 111\,700\,110\,833\,388\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 153\,947\,919\,213\,240\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 195\,833\,086\,320\,516\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 230\,002\,383\,523\,152\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 249\,358\,752\,594\,900\,T^{26}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 249\,367\,317\,968\,952\,T^{27}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 229\,716\,648\,933\,288\,T^{28}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 194\,530\,515\,171\,936\,T^{29}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 150\,984\,971\,656\,560\,T^{30}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 106\,954\,484\,591\,856\,T^{31}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 68\,731\,840\,671\,984\,T^{32}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 39\,710\,814\,198\,408\,T^{33}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 20\,335\,888\,257\,156\,T^{34}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 9\,001\,230\,211\,920\,T^{35}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 3\,265\,829\,413\,908\,T^{36}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 829\,570\,851\,768\,T^{37}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 23\,628\,719\,304\,T^{38}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 131\,199\,176\,040\,T^{39}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 99\,040\,008\,804\,T^{40}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 48\,834\,053\,232\,T^{41}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 18\,800\,940\,444\,T^{42}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 5\,909\,433\,528\,T^{43}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 1\,530\,425\,688\,T^{44}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 324\,094\,464\,T^{45}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 54\,968\,436\,T^{46}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 7\,199\,472\,T^{47}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 684\,312\,T^{48}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 42\,000\,T^{49}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 1248\,T^{50}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 288\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 11\,904\,T^2\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 224\,156\,T^3\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 2\,599\,796\,T^4\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 21\,183\,272\,T^5\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 130\,601\,140\,T^6\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 638\,412\,992\,T^7\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 2\,552\,142\,808\,T^8\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 8\,516\,760\,068\,T^9\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 24\,021\,976\,856\,T^{10}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 57\,524\,860\,768\,T^{11}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 116\,222\,599\,940\,T^{12}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 192\,767\,646\,380\,T^{13}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 239\,868\,499\,044\,T^{14}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 136\,984\,845\,620\,T^{15}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 334\,471\,425\,180\,T^{16}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 1\,480\,129\,557\,196\,T^{17}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 3\,619\,393\,545\,000\,T^{18}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 6\,944\,675\,605\,076\,T^{19}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 11\,348\,612\,565\,740\,T^{20}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 16\,299\,498\,360\,248\,T^{21}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 20\,865\,156\,880\,632\,T^{22}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 23\,950\,158\,682\,636\,T^{23}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 24\,711\,335\,441\,088\,T^{24}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 22\,988\,137\,477\,216\,T^{25}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 19\,509\,150\,461\,944\,T^{26}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 15\,695\,545\,649\,628\,T^{27}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 13\,084\,057\,980\,428\,T^{28}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 12\,631\,054\,581\,112\,T^{29}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 14\,269\,686\,777\,280\,T^{30}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 16\,972\,671\,418\,492\,T^{31}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + \\
& 19\,283\,196\,929\,884\,T^{32}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 20\,007\,348\,800\,108\,T^{33}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 18\,693\,949\,346\,028\,T^{34}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - \\
& 15\,692\,785\,066\,364\,T^{35}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 + 11\,846\,342\,026\,560\,T^{36}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 - 8\,050\,965\,379\,036\,T^{37}\mathcal{A}_{\S[0]}\mathcal{A}_{\S[11]}^2 +
\end{aligned}$$

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$$\begin{aligned}
& 4927722936028T^{38}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - 2714303879844T^{39}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 + 1342883148644T^{40}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - \\
& 594804655276T^{41}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 + 234763173052T^{42}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - 82042970248T^{43}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 + \\
& 25174255416T^{44}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - 6707834288T^{45}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 + 1529614812T^{46}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - \\
& 292696032T^{47}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 + 45729172T^{48}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - 5603608T^{49}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 + 505208T^{50}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - \\
& 29808T^{51}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 + 864T^{52}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^2 - 180\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 3168T\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 16092T^2\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 131592T^3\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 2966077T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 27958464T^5\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 179961783T^6\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 891229272T^7\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 3585742756T^8\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 12099812234T^9\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 34995899360T^{10}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 88254134880T^{11}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 197243297292T^{12}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 398183410472T^{13}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + \\
& 744804917189T^{14}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 1334908523700T^{15}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 2376145070355T^{16}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 4296326750432T^{17}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 7861798019445T^{18}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 14211519429714T^{19}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + \\
& 24687686936953T^{20}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 40396258627958T^{21}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 61574038043227T^{22}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 87010987696730T^{23}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 113860707231257T^{24}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 138073476389264T^{25}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + \\
& 155414421146971T^{26}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 162718125106398T^{27}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 158866005055442T^{28}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 145069099498466T^{29}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 124356720764362T^{30}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 100534111388880T^{31}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + \\
& 77078603401396T^{32}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 56395932553842T^{33}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 39615938609139T^{34}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 26833049456806T^{35}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 17542339946073T^{36}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 11034433687638T^{37}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + \\
& 6631688993309T^{38}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 3772208046538T^{39}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 2009751968950T^{40}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 992685909454T^{41}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 450207086086T^{42}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 185770949650T^{43}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + \\
& 69118947199T^{44}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 22970658274T^{45}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 6747384686T^{46}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 1730149264T^{47}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 381342518T^{48}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 70813246T^{49}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 10778643T^{50}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - \\
& 1292160T^{51}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 114492T^{52}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 - 6672T^{53}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 192T^{54}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^2 + 8T\mathcal{A}_{\$[11]}^3 - \\
& 196T^2\mathcal{A}_{\$[11]}^3 + 1708T^3\mathcal{A}_{\$[11]}^3 + 1152T^4\mathcal{A}_{\$[11]}^3 - 185164T^5\mathcal{A}_{\$[11]}^3 + 2356712T^6\mathcal{A}_{\$[11]}^3 - 18585776T^7\mathcal{A}_{\$[11]}^3 + \\
& 109358164T^8\mathcal{A}_{\$[11]}^3 - 515271656T^9\mathcal{A}_{\$[11]}^3 + 2017211720T^{10}\mathcal{A}_{\$[11]}^3 - 6704389764T^{11}\mathcal{A}_{\$[11]}^3 + \\
& 19151505516T^{12}\mathcal{A}_{\$[11]}^3 - 47246901748T^{13}\mathcal{A}_{\$[11]}^3 + 100281932412T^{14}\mathcal{A}_{\$[11]}^3 - 179810464852T^{15}\mathcal{A}_{\$[11]}^3 + \\
& 258055320700T^{16}\mathcal{A}_{\$[11]}^3 - 242446445560T^{17}\mathcal{A}_{\$[11]}^3 - 64375676868T^{18}\mathcal{A}_{\$[11]}^3 + 984359024492T^{19}\mathcal{A}_{\$[11]}^3 - \\
& 2928654417632T^{20}\mathcal{A}_{\$[11]}^3 + 6281268724240T^{21}\mathcal{A}_{\$[11]}^3 - 1121278866676T^{22}\mathcal{A}_{\$[11]}^3 + 17488806646352T^{23}\mathcal{A}_{\$[11]}^3 - \\
& 24375910422672T^{24}\mathcal{A}_{\$[11]}^3 + 30734384964184T^{25}\mathcal{A}_{\$[11]}^3 - 35309777714364T^{26}\mathcal{A}_{\$[11]}^3 + 37128386118564T^{27}\mathcal{A}_{\$[11]}^3 - \\
& 35829191450800T^{28}\mathcal{A}_{\$[11]}^3 + 31779748360560T^{29}\mathcal{A}_{\$[11]}^3 - 25925346409940T^{30}\mathcal{A}_{\$[11]}^3 + 19450375170892T^{31}\mathcal{A}_{\$[11]}^3 - \\
& 13410999286356T^{32}\mathcal{A}_{\$[11]}^3 + 8487420518772T^{33}\mathcal{A}_{\$[11]}^3 - 4921279688092T^{34}\mathcal{A}_{\$[11]}^3 + 2608068394680T^{35}\mathcal{A}_{\$[11]}^3 - \\
& 1259419863780T^{36}\mathcal{A}_{\$[11]}^3 + 552061740556T^{37}\mathcal{A}_{\$[11]}^3 - 218650750860T^{38}\mathcal{A}_{\$[11]}^3 + 77800790388T^{39}\mathcal{A}_{\$[11]}^3 - \\
& 24696348140T^{40}\mathcal{A}_{\$[11]}^3 + 6932471548T^{41}\mathcal{A}_{\$[11]}^3 - 1701834008T^{42}\mathcal{A}_{\$[11]}^3 + 360115632T^{43}\mathcal{A}_{\$[11]}^3 - \\
& 64424080T^{44}\mathcal{A}_{\$[11]}^3 + 9483820T^{45}\mathcal{A}_{\$[11]}^3 - 1103776T^{46}\mathcal{A}_{\$[11]}^3 + 95252T^{47}\mathcal{A}_{\$[11]}^3 - 5416T^{48}\mathcal{A}_{\$[11]}^3 + \\
& 152T^{49}\mathcal{A}_{\$[11]}^3 - 8T\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 608T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 11760T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 110216T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 518104T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 108048T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 22111400T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 202980352T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 1191085864T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 5353428880T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 19655161232T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 60841706032T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 161512777216T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 370619984440T^{14}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 734797244400T^{15}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 1243421934752T^{16}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 1730504921208T^{17}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 1757986961928T^{18}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 550311535920T^{19}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 2921097749040T^{20}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 9634477741208T^{21}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 20033927116664T^{22}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 33550141969056T^{23}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 48400507527088T^{24}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 61881176696808T^{25}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 71138616188840T^{26}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 74132597308408T^{27}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 70354758511000T^{28}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 60962343537416T^{29}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 48281742358888T^{30}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 34949409829656T^{31}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 23099419020328T^{32}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 13913852176976T^{33}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 7616625562160T^{34}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 3774774548984T^{35}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 1685216609640T^{36}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 673319657400T^{37}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 238707451456T^{38}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 74231755128T^{39}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 19924463936T^{40}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 4505364568T^{41}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 823802528T^{42}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 111779536T^{43}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 8410616T^{44}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 505552T^{45}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 263544T^{46}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 40360T^{47}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 3288T^{48}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 120T^{49}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 1924T^2\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 58876T^3\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 872392T^4\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 8395052T^5\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 59211136T^6\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 327106184T^7\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 1476099484T^8\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 5600621224T^9\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 18245917760T^{10}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 51845967148T^{11}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 130000703236T^{12}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 289957974636T^{13}\mathcal{A}_{\$[0]}\mathcal{A}_{\$[11]}^3 -
\end{aligned}$$

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$$\begin{aligned}
& 577\,512\,177\,148\,T^{14}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 1\,025\,022\,259\,356\,T^{15}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 1\,601\,124\,517\,420\,T^{16}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + \\
& 2\,123\,437\,681\,752\,T^{17}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 2\,138\,894\,441\,252\,T^{18}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 805\,792\,935\,836\,T^{19}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + \\
& 3\,146\,202\,772\,408\,T^{20}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 11\,270\,548\,467\,768\,T^{21}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 24\,987\,359\,722\,196\,T^{22}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - \\
& 44\,920\,940\,814\,864\,T^{23}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 70\,196\,053\,883\,360\,T^{24}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 98\,049\,795\,008\,984\,T^{25}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + \\
& 124\,104\,960\,580\,020\,T^{26}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 143\,405\,495\,180\,164\,T^{27}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 151\,919\,924\,742\,488\,T^{28}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - \\
& 147\,901\,989\,569\,120\,T^{29}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 132\,485\,860\,725\,716\,T^{30}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 109\,235\,900\,107\,556\,T^{31}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + \\
& 82\,879\,083\,568\,852\,T^{32}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 57\,816\,770\,590\,644\,T^{33}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 37\,035\,695\,354\,788\,T^{34}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - \\
& 21\,745\,122\,956\,496\,T^{35}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 11\,675\,570\,193\,908\,T^{36}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 5\,716\,606\,718\,564\,T^{37}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + \\
& 2\,543\,650\,563\,996\,T^{38}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 1\,024\,385\,406\,748\,T^{39}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 371\,579\,573\,828\,T^{40}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - \\
& 120\,704\,624\,468\,T^{41}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 34\,873\,572\,248\,T^{42}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 8\,887\,213\,128\,T^{43}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + \\
& 1\,977\,359\,536\,T^{44}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 379\,129\,332\,T^{45}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 61\,558\,608\,T^{46}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 8\,256\,668\,T^{47}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + \\
& 880\,712\,T^{48}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 70\,120\,T^{49}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 3696\,T^{50}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 - 96\,T^{51}\mathcal{A}_{\S[0]}^2\mathcal{A}_{\S[11]}^3 + 96\,T\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 1824\,T^2\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 104\,192\,T^3\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 1\,798\,056\,T^4\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 18\,625\,160\,T^5\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 137\,452\,528\,T^6\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 783\,682\,528\,T^7\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 3\,620\,610\,336\,T^8\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 13\,988\,469\,104\,T^9\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 46\,221\,043\,184\,T^{10}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 132\,831\,507\,216\,T^{11}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 336\,457\,068\,992\,T^{12}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - \\
& 759\,562\,307\,872\,T^{13}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 1\,543\,792\,899\,064\,T^{14}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 2\,853\,851\,075\,176\,T^{15}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 4\,854\,285\,009\,280\,T^{16}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 7\,708\,608\,202\,096\,T^{17}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 11\,643\,768\,761\,320\,T^{18}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - \\
& 17\,107\,016\,143\,720\,T^{19}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 24\,982\,746\,600\,800\,T^{20}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 36\,747\,389\,727\,072\,T^{21}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 54\,370\,721\,855\,816\,T^{22}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 79\,793\,943\,751\,160\,T^{23}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 113\,978\,837\,419\,344\,T^{24}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - \\
& 155\,800\,175\,621\,184\,T^{25}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 201\,309\,070\,986\,600\,T^{26}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 243\,931\,239\,965\,928\,T^{27}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 275\,854\,522\,532\,552\,T^{28}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 290\,284\,691\,123\,384\,T^{29}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 283\,710\,424\,975\,400\,T^{30}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - \\
& 257\,174\,204\,231\,896\,T^{31}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 215\,947\,890\,106\,328\,T^{32}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 167\,762\,736\,812\,264\,T^{33}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 120\,407\,467\,864\,208\,T^{34}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 79\,707\,731\,593\,712\,T^{35}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 48\,570\,602\,910\,680\,T^{36}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - \\
& 27\,179\,291\,841\,800\,T^{37}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 13\,926\,933\,558\,880\,T^{38}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 6\,512\,428\,015\,408\,T^{39}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 2\,767\,735\,434\,016\,T^{40}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 1\,063\,816\,971\,440\,T^{41}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 367\,614\,160\,592\,T^{42}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - \\
& 113\,385\,837\,392\,T^{43}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 30\,937\,825\,656\,T^{44}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 7\,384\,463\,848\,T^{45}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 1\,519\,832\,120\,T^{46}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 264\,627\,352\,T^{47}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 37\,964\,072\,T^{48}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 4\,316\,824\,T^{49}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + \\
& 365\,568\,T^{50}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 - 20\,544\,T^{51}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 576\,T^{52}\mathcal{A}_{\S[0]}^3\mathcal{A}_{\S[11]}^3 + 216\,\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 4920\,T\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + \\
& 48\,792\,T^2\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 221\,232\,T^3\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 417\,856\,T^4\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 14\,909\,432\,T^5\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 132\,906\,344\,T^6\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 788\,524\,688\,T^7\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 3\,605\,873\,720\,T^8\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 13\,459\,199\,816\,T^9\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 42\,238\,978\,984\,T^{10}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 113\,351\,144\,736\,T^{11}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 262\,459\,617\,984\,T^{12}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + \\
& 525\,582\,876\,976\,T^{13}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 905\,129\,248\,016\,T^{14}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 1\,314\,718\,258\,520\,T^{15}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 1\,526\,845\,451\,912\,T^{16}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 1\,171\,947\,968\,672\,T^{17}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 162\,795\,655\,792\,T^{18}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 2\,734\,417\,595\,016\,T^{19}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 6\,430\,414\,050\,872\,T^{20}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 10\,694\,542\,330\,568\,T^{21}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + \\
& 14\,723\,431\,526\,536\,T^{22}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 17\,920\,759\,490\,952\,T^{23}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 20\,394\,368\,385\,768\,T^{24}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 23\,164\,088\,410\,112\,T^{25}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 27\,836\,173\,907\,608\,T^{26}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 35\,789\,834\,082\,952\,T^{27}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + \\
& 47\,252\,452\,201\,808\,T^{28}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 60\,788\,055\,750\,912\,T^{29}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 73\,557\,449\,316\,504\,T^{30}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 82\,300\,328\,753\,776\,T^{31}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 84\,583\,576\,516\,256\,T^{32}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 79\,710\,376\,782\,416\,T^{33}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + \\
& 68\,881\,073\,346\,080\,T^{34}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 54\,604\,234\,058\,912\,T^{35}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 39\,718\,493\,467\,664\,T^{36}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 26\,503\,570\,632\,888\,T^{37}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 16\,211\,712\,909\,760\,T^{38}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 9\,077\,687\,055\,136\,T^{39}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + \\
& 4\,643\,822\,146\,968\,T^{40}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 2\,164\,522\,516\,232\,T^{41}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 916\,075\,447\,256\,T^{42}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 350\,502\,275\,376\,T^{43}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 120\,581\,954\,320\,T^{44}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 37\,048\,143\,976\,T^{45}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + \\
& 10\,079\,844\,440\,T^{46}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 2\,402\,407\,536\,T^{47}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 494\,574\,480\,T^{48}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 86\,299\,200\,T^{49}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 12\,430\,752\,T^{50}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 1\,421\,328\,T^{51}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 121\,104\,T^{52}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - \\
& 6840\,T^{53}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 + 192\,T^{54}\mathcal{A}_{\S[0]}^4\mathcal{A}_{\S[11]}^3 - 3\,\mathcal{A}_{\S[11]}^4 - 92\,T\mathcal{A}_{\S[11]}^4 + 3034\,T^2\mathcal{A}_{\S[11]}^4 - 37\,720\,T^3\mathcal{A}_{\S[11]}^4 + \\
& 278\,524\,T^4\mathcal{A}_{\S[11]}^4 - 1\,328\,964\,T^5\mathcal{A}_{\S[11]}^4 + 3\,547\,123\,T^6\mathcal{A}_{\S[11]}^4 + 3\,133\,720\,T^7\mathcal{A}_{\S[11]}^4 - 95\,557\,651\,T^8\mathcal{A}_{\S[11]}^4 + \\
& 632\,067\,334\,T^9\mathcal{A}_{\S[11]}^4 - 2\,882\,043\,292\,T^{10}\mathcal{A}_{\S[11]}^4 + 10\,493\,024\,786\,T^{11}\mathcal{A}_{\S[11]}^4 - 32\,192\,628\,608\,T^{12}\mathcal{A}_{\S[11]}^4 + \\
& 85\,493\,339\,106\,T^{13}\mathcal{A}_{\S[11]}^4 - 199\,567\,411\,725\,T^{14}\mathcal{A}_{\S[11]}^4 + 413\,184\,390\,106\,T^{15}\mathcal{A}_{\S[11]}^4 - 762\,279\,247\,179\,T^{16}\mathcal{A}_{\S[11]}^4 + \\
& 1\,254\,074\,905\,244\,T^{17}\mathcal{A}_{\S[11]}^4 - 1\,832\,612\,785\,715\,T^{18}\mathcal{A}_{\S[11]}^4 + 2\,352\,030\,416\,634\,T^{19}\mathcal{A}_{\S[11]}^4 - 2\,581\,534\,761\,227\,T^{20}\mathcal{A}_{\S[11]}^4 + \\
& 2\,260\,165\,859\,480\,T^{21}\mathcal{A}_{\S[11]}^4 - 1\,196\,326\,941\,209\,T^{22}\mathcal{A}_{\S[11]}^4 - 624\,273\,530\,284\,T^{23}\mathcal{A}_{\S[11]}^4 + 2\,977\,956\,995\,151\,T^{24}\mathcal{A}_{\S[11]}^4 -
\end{aligned}$$

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$$\begin{aligned}
& 5\,434\,256\,769\,676\,T^{25}\mathcal{A}_{\$[11]}^4 + 7\,481\,257\,693\,346\,T^{26}\mathcal{A}_{\$[11]}^4 - 8\,696\,270\,115\,366\,T^{27}\mathcal{A}_{\$[11]}^4 + 8\,885\,246\,415\,862\,T^{28}\mathcal{A}_{\$[11]}^4 - \\
& 8\,129\,131\,558\,910\,T^{29}\mathcal{A}_{\$[11]}^4 + 6\,723\,999\,938\,846\,T^{30}\mathcal{A}_{\$[11]}^4 - 5\,053\,842\,791\,652\,T^{31}\mathcal{A}_{\$[11]}^4 + 3\,459\,921\,826\,947\,T^{32}\mathcal{A}_{\$[11]}^4 - \\
& 2\,158\,828\,056\,892\,T^{33}\mathcal{A}_{\$[11]}^4 + 1\,226\,689\,168\,053\,T^{34}\mathcal{A}_{\$[11]}^4 - 633\,515\,618\,120\,T^{35}\mathcal{A}_{\$[11]}^4 + 296\,438\,138\,120\,T^{36}\mathcal{A}_{\$[11]}^4 - \\
& 125\,139\,669\,082\,T^{37}\mathcal{A}_{\$[11]}^4 + 47\,390\,083\,639\,T^{38}\mathcal{A}_{\$[11]}^4 - 15\,983\,162\,368\,T^{39}\mathcal{A}_{\$[11]}^4 + 4\,756\,621\,507\,T^{40}\mathcal{A}_{\$[11]}^4 - \\
& 1\,234\,319\,522\,T^{41}\mathcal{A}_{\$[11]}^4 + 274\,986\,608\,T^{42}\mathcal{A}_{\$[11]}^4 - 51\,516\,882\,T^{43}\mathcal{A}_{\$[11]}^4 + 7\,886\,417\,T^{44}\mathcal{A}_{\$[11]}^4 - 946\,042\,T^{45}\mathcal{A}_{\$[11]}^4 + \\
& 83\,220\,T^{46}\mathcal{A}_{\$[11]}^4 - 4758\,T^{47}\mathcal{A}_{\$[11]}^4 + 132\,T^{48}\mathcal{A}_{\$[11]}^4 + 14\,T_{\$[0]}\mathcal{A}_{\$[11]}^4 - 194\,T^2_{\$[0]}\mathcal{A}_{\$[11]}^4 + 1928\,T^3_{\$[0]}\mathcal{A}_{\$[11]}^4 - \\
& 21\,790\,T^4_{\$[0]}\mathcal{A}_{\$[11]}^4 + 216\,728\,T^5_{\$[0]}\mathcal{A}_{\$[11]}^4 - 1\,595\,564\,T^6_{\$[0]}\mathcal{A}_{\$[11]}^4 + 8\,538\,834\,T^7_{\$[0]}\mathcal{A}_{\$[11]}^4 - \\
& 32\,685\,436\,T^8_{\$[0]}\mathcal{A}_{\$[11]}^4 + 77\,721\,256\,T^9_{\$[0]}\mathcal{A}_{\$[11]}^4 + 7\,271\,422\,T^{10}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 1\,208\,629\,226\,T^{11}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 7\,667\,827\,926\,T^{12}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 33\,065\,338\,626\,T^{13}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 115\,318\,684\,330\,T^{14}_{\$[0]}\mathcal{A}_{\$[11]}^4 - \\
& 345\,165\,707\,854\,T^{15}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 912\,570\,269\,148\,T^{16}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 2\,166\,726\,611\,742\,T^{17}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 4\,668\,434\,302\,178\,T^{18}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 9\,191\,388\,329\,036\,T^{19}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 16\,615\,282\,465\,548\,T^{20}_{\$[0]}\mathcal{A}_{\$[11]}^4 - \\
& 27\,670\,221\,691\,346\,T^{21}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 42\,554\,282\,210\,044\,T^{22}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 60\,542\,096\,111\,256\,T^{23}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 79\,781\,481\,999\,580\,T^{24}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 97\,467\,991\,846\,226\,T^{25}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 110\,455\,885\,838\,978\,T^{26}_{\$[0]}\mathcal{A}_{\$[11]}^4 - \\
& 116\,149\,320\,427\,368\,T^{27}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 113\,336\,104\,485\,732\,T^{28}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 102\,601\,880\,596\,098\,T^{29}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 86\,133\,779\,340\,306\,T^{30}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 67\,002\,969\,360\,090\,T^{31}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 48\,244\,920\,436\,922\,T^{32}_{\$[0]}\mathcal{A}_{\$[11]}^4 - \\
& 32\,109\,120\,598\,790\,T^{33}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 19\,716\,707\,761\,632\,T^{34}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 11\,145\,045\,266\,850\,T^{35}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 5\,783\,002\,351\,138\,T^{36}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 2\,745\,117\,780\,114\,T^{37}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 1\,187\,114\,637\,674\,T^{38}_{\$[0]}\mathcal{A}_{\$[11]}^4 - \\
& 465\,309\,372\,270\,T^{39}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 164\,290\,311\,318\,T^{40}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 51\,854\,349\,476\,T^{41}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 14\,492\,228\,860\,T^{42}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 3\,543\,666\,196\,T^{43}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 746\,494\,298\,T^{44}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 132\,729\,100\,T^{45}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 19\,365\,854\,T^{46}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 2\,225\,608\,T^{47}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 188\,832\,T^{48}_{\$[0]}\mathcal{A}_{\$[11]}^4 - 10\,512\,T^{49}_{\$[0]}\mathcal{A}_{\$[11]}^4 + \\
& 288\,T^{50}_{\$[0]}\mathcal{A}_{\$[11]}^4 + 997\,T^2_{\$[0]}\mathcal{A}_{\$[11]}^2 - 32\,952\,T^3_{\$[0]}\mathcal{A}_{\$[11]}^2 + 523\,167\,T^4_{\$[0]}\mathcal{A}_{\$[11]}^2 - 5\,375\,544\,T^5_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 40\,425\,616\,T^6_{\$[0]}\mathcal{A}_{\$[11]}^2 - 237\,995\,258\,T^7_{\$[0]}\mathcal{A}_{\$[11]}^2 + 1\,144\,248\,872\,T^8_{\$[0]}\mathcal{A}_{\$[11]}^2 - 4\,624\,571\,544\,T^9_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 16\,044\,717\,888\,T^{10}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 48\,554\,842\,760\,T^{11}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 129\,805\,751\,633\,T^{12}_{\$[0]}\mathcal{A}_{\$[11]}^2 - \\
& 309\,861\,457\,956\,T^{13}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 666\,935\,664\,051\,T^{14}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 1\,307\,068\,690\,400\,T^{15}_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 2\,358\,187\,618\,389\,T^{16}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 3\,969\,120\,257\,106\,T^{17}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 6\,334\,291\,033\,705\,T^{18}_{\$[0]}\mathcal{A}_{\$[11]}^2 - \\
& 9\,761\,588\,616\,590\,T^{19}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 14\,771\,143\,148\,359\,T^{20}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 22\,159\,707\,394\,490\,T^{21}_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 32\,920\,928\,155\,577\,T^{22}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 47\,927\,601\,535\,064\,T^{23}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 67\,391\,678\,341\,915\,T^{24}_{\$[0]}\mathcal{A}_{\$[11]}^2 - \\
& 90\,291\,217\,467\,606\,T^{25}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 114\,086\,076\,716\,150\,T^{26}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 135\,012\,468\,380\,018\,T^{27}_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 149\,007\,812\,296\,726\,T^{28}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 152\,974\,731\,485\,256\,T^{29}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 145\,853\,974\,231\,984\,T^{30}_{\$[0]}\mathcal{A}_{\$[11]}^2 - \\
& 129\,012\,823\,879\,386\,T^{31}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 105\,770\,983\,594\,995\,T^{32}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 80\,298\,139\,501\,678\,T^{33}_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 56\,384\,203\,328\,949\,T^{34}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 36\,568\,465\,709\,742\,T^{35}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 21\,866\,399\,987\,513\,T^{36}_{\$[0]}\mathcal{A}_{\$[11]}^2 - \\
& 12\,028\,122\,940\,474\,T^{37}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 6\,069\,666\,995\,746\,T^{38}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 2\,800\,262\,911\,078\,T^{39}_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 1\,176\,223\,856\,446\,T^{40}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 447\,535\,980\,442\,T^{41}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 153\,287\,614\,075\,T^{42}_{\$[0]}\mathcal{A}_{\$[11]}^2 - \\
& 46\,902\,521\,842\,T^{43}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 12\,698\,547\,602\,T^{44}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 3\,005\,786\,320\,T^{45}_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 612\,477\,422\,T^{46}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 105\,261\,070\,T^{47}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 14\,835\,099\,T^{48}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 1\,646\,064\,T^{49}_{\$[0]}\mathcal{A}_{\$[11]}^2 + \\
& 134\,820\,T^{50}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 7248\,T^{51}_{\$[0]}\mathcal{A}_{\$[11]}^2 + 192\,T^{52}_{\$[0]}\mathcal{A}_{\$[11]}^2 - 144\,T_{\$[0]}\mathcal{A}_{\$[11]}^3 + 2640\,T^2_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 8656\,T^3_{\$[0]}\mathcal{A}_{\$[11]}^3 - 255\,616\,T^4_{\$[0]}\mathcal{A}_{\$[11]}^3 + 4\,554\,472\,T^5_{\$[0]}\mathcal{A}_{\$[11]}^3 - 42\,601\,096\,T^6_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 282\,269\,560\,T^7_{\$[0]}\mathcal{A}_{\$[11]}^3 - 1\,460\,584\,960\,T^8_{\$[0]}\mathcal{A}_{\$[11]}^3 + 6\,202\,231\,928\,T^9_{\$[0]}\mathcal{A}_{\$[11]}^3 - 22\,285\,982\,256\,T^{10}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 69\,207\,594\,120\,T^{11}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 188\,683\,788\,968\,T^{12}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 457\,258\,442\,536\,T^{13}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 995\,272\,150\,024\,T^{14}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 1\,963\,694\,680\,696\,T^{15}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 3\,542\,614\,260\,952\,T^{16}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 5\,894\,219\,924\,176\,T^{17}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 9\,124\,376\,558\,064\,T^{18}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 13\,260\,318\,279\,248\,T^{19}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 18\,250\,028\,203\,160\,T^{20}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 23\,966\,729\,848\,720\,T^{21}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 30\,188\,861\,350\,632\,T^{22}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 36\,541\,456\,929\,720\,T^{23}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 42\,428\,103\,057\,512\,T^{24}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 47\,023\,979\,244\,712\,T^{25}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 49\,399\,036\,708\,768\,T^{26}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 48\,778\,252\,001\,072\,T^{27}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 44\,851\,809\,563\,256\,T^{28}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 37\,985\,288\,365\,248\,T^{29}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 29\,201\,702\,038\,792\,T^{30}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 19\,912\,755\,598\,952\,T^{31}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 11\,505\,297\,068\,096\,T^{32}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 4\,961\,027\,538\,608\,T^{33}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 660\,889\,112\,696\,T^{34}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 1\,577\,031\,664\,168\,T^{35}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 2\,288\,875\,803\,864\,T^{36}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 2\,107\,234\,186\,736\,T^{37}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 1\,562\,700\,815\,168\,T^{38}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 994\,158\,866\,832\,T^{39}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 555\,786\,411\,040\,T^{40}_{\$[0]}\mathcal{A}_{\$[11]}^3 - \\
& 275\,761\,840\,168\,T^{41}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 121\,805\,112\,480\,T^{42}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 47\,844\,669\,056\,T^{43}_{\$[0]}\mathcal{A}_{\$[11]}^3 + \\
& 16\,642\,506\,776\,T^{44}_{\$[0]}\mathcal{A}_{\$[11]}^3 - 5\,090\,507\,848\,T^{45}_{\$[0]}\mathcal{A}_{\$[11]}^3 + 1\,355\,353\,320\,T^{46}_{\$[0]}\mathcal{A}_{\$[11]}^3 -
\end{aligned}$$

$$\begin{aligned}
& 309\,754\,176\,T^{47}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^4 + 59\,607\,264\,T^{48}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^4 - 9\,400\,224\,T^{49}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^4 + 1\,167\,312\,T^{50}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^4 - \\
& 107\,088\,T^{51}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^4 + 6\,456\,T^{52}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^4 - 192\,T^{53}\mathcal{A}_{\$[0]}^3\mathcal{A}_{\$[11]}^4 - 81\,\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 2070\,T\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - \\
& 24\,309\,T^2\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 159\,984\,T^3\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 459\,809\,T^4\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 2\,268\,780\,T^5\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 38\,356\,213\,T^6\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 281\,894\,136\,T^7\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 1\,476\,362\,371\,T^8\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 6\,149\,060\,302\,T^9\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 21\,343\,824\,186\,T^{10}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 63\,346\,854\,112\,T^{11}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 163\,325\,433\,953\,T^{12}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - \\
& 369\,614\,859\,724\,T^{13}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 739\,215\,079\,944\,T^{14}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 1\,312\,388\,359\,628\,T^{15}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 2\,075\,231\,039\,902\,T^{16}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 2\,935\,295\,088\,876\,T^{17}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 3\,752\,501\,972\,036\,T^{18}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - \\
& 4\,459\,874\,436\,664\,T^{19}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 5\,260\,496\,399\,352\,T^{20}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 6\,811\,167\,582\,692\,T^{21}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 10\,247\,166\,287\,660\,T^{22}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 16\,925\,123\,822\,844\,T^{23}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 27\,885\,057\,682\,842\,T^{24}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - \\
& 43\,210\,199\,960\,476\,T^{25}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 61\,589\,091\,835\,906\,T^{26}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 80\,359\,713\,924\,120\,T^{27}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 96\,121\,650\,226\,540\,T^{28}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 105\,728\,506\,561\,240\,T^{29}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 107\,269\,724\,328\,868\,T^{30}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - \\
& 100\,638\,016\,558\,184\,T^{31}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 87\,467\,133\,077\,856\,T^{32}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 70\,509\,873\,314\,728\,T^{33}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 52\,754\,343\,586\,070\,T^{34}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 36\,638\,570\,731\,680\,T^{35}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 23\,614\,185\,626\,689\,T^{36}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - \\
& 14\,114\,812\,051\,754\,T^{37}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 7\,816\,258\,840\,977\,T^{38}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 4\,004\,402\,580\,988\,T^{39}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 1\,894\,567\,377\,753\,T^{40}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 825\,904\,174\,656\,T^{41}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 330\,791\,433\,521\,T^{42}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - \\
& 121\,284\,762\,368\,T^{43}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 40\,518\,804\,967\,T^{44}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 12\,259\,147\,850\,T^{45}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 3\,332\,160\,404\,T^{46}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 804\,995\,692\,T^{47}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 170\,360\,697\,T^{48}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 30\,960\,912\,T^{49}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + \\
& 4\,698\,432\,T^{50}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 571\,296\,T^{51}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 52\,128\,T^{52}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 - 3168\,T^{53}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 + 96\,T^{54}\mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 \Big) \Big) / \\
& \left(48 \left(1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4 \right)^2 \left(1 - 4\,T + 8\,T^2 - 11\,T^3 + 8\,T^4 - 4\,T^5 + T^6 \right)^8 \mathcal{A}_{\$[0]}^4\mathcal{A}_{\$[11]}^4 \right)
\end{aligned}$$

$$(Alt) Out[] = \left\{ 10\,301.9, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{1}{2} \left(-2\,t\,\hbar - \text{Log} \left[\left(-1 - \frac{1}{T^4} + \frac{4}{T^3} - \frac{6}{T^2} + \frac{5}{T} \right)^2 \right] - \right. \right.$$

$$\left. \text{Log} \left[\left(1 + \frac{T}{1 - 4\,T + 6\,T^2 - 5\,T^3 + T^4} - \frac{2\,T^2}{1 - 4\,T + 6\,T^2 - 5\,T^3 + T^4} + \frac{T^3}{1 - 4\,T + 6\,T^2 - 5\,T^3 + T^4} \right)^2 \right] - \right.$$

$$\left. \text{Log} \left[\left(1 - \frac{T}{1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4} + \frac{4\,T^2}{1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4} - \frac{7\,T^3}{1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4} + \right. \right. \right.$$

$$\left. \left. \frac{7\,T^4}{1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4} - \frac{4\,T^5}{1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4} + \frac{T^6}{1 - 3\,T + 4\,T^2 - 4\,T^3 + T^4} \right)^2 \right] \Big),$$

$$\frac{(-1+T)(1+T)(1-T+T^2)(3-5T+3T^2)\hbar}{1-4T+8T^2-11T^3+8T^4-4T^5+T^6} + \frac{2a(-1+T)(1+T)(1-T+T^2)(3-5T+3T^2)\hbar}{1-4T+8T^2-11T^3+8T^4-4T^5+T^6} -$$

$$\frac{2(1+T)(1-T+T^2)(3-5T+3T^2)xy\hbar^2}{1-4T+8T^2-11T^3+8T^4-4T^5+T^6},$$

$$\frac{2aT(4-32T+131T^2-304T^3+476T^4-548T^5+476T^6-304T^7+131T^8-32T^9+4T^{10})\hbar^2}{(1-4T+8T^2-11T^3+8T^4-4T^5+T^6)^2} +$$

$$\frac{2a^2T(4-32T+131T^2-304T^3+476T^4-548T^5+476T^6-304T^7+131T^8-32T^9+4T^{10})\hbar^2}{(1-4T+8T^2-11T^3+8T^4-4T^5+T^6)^2} +$$

$$\frac{((-1+T)^2T(4-42T+219T^2-680T^3+1483T^4-2481T^5+3315T^6-3643T^7+3315T^8-2481T^9+1483T^{10}-680T^{11}+219T^{12}-42T^{13}+4T^{14})\hbar^2)}{1}$$

$$\frac{(2(1-4T+8T^2-11T^3+8T^4-4T^5+T^6)^3) + \frac{2(-1+T)(1+T)^2(1-T+T^2)^2(3-5T+3T^2)^2xy\hbar^3}{(1-4T+8T^2-11T^3+8T^4-4T^5+T^6)^2}}{1} -$$

$$\frac{4aT(-7+42T-136T^2+250T^3-312T^4+274T^5-164T^6+54T^7+5T^8-10T^9+3T^{10})xy\hbar^3}{(1-4T+8T^2-11T^3+8T^4-4T^5+T^6)^2} +$$

$$\begin{aligned}
& \frac{(3 - 37 T^2 + 153 T^3 - 261 T^4 + 325 T^5 - 261 T^6 + 153 T^7 - 37 T^8 + 3 T^{10}) x^2 y^2 \hbar^4}{(1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^2}, \\
& (2 a^2 (-1 + T) T (1 + T) (4 - 48 T + 301 T^2 - 1056 T^3 + 2433 T^4 - 4053 T^5 + 5345 T^6 - 5821 T^7 + 5345 T^8 - \\
& \quad 4053 T^9 + 2433 T^{10} - 1056 T^{11} + 301 T^{12} - 48 T^{13} + 4 T^{14}) \hbar^3) / (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^3 + \\
& (4 a^3 (-1 + T) T (1 + T) (4 - 48 T + 301 T^2 - 1056 T^3 + 2433 T^4 - 4053 T^5 + 5345 T^6 - 5821 T^7 + 5345 T^8 - \\
& \quad 4053 T^9 + 2433 T^{10} - 1056 T^{11} + 301 T^{12} - 48 T^{13} + 4 T^{14}) \hbar^3) / (3 (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^3) + \\
& \frac{1}{(1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^4} a (-1 + T) T (1 + T) (1 - T + T^2) \\
& (4 - 64 T + 497 T^2 - 2195 T^3 + 6253 T^4 - 12520 T^5 + 18948 T^6 - 23188 T^7 + 24681 T^8 - 24839 T^9 + \\
& \quad 24681 T^{10} - 23188 T^{11} + 18948 T^{12} - 12520 T^{13} + 6253 T^{14} - 2195 T^{15} + 497 T^{16} - 64 T^{17} + 4 T^{18}) \hbar^3 + \\
& \frac{1}{6 (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^4} (-1 + T) T (1 + T) \\
& (4 - 76 T + 645 T^2 - 2892 T^3 + 7585 T^4 - 11016 T^5 + 2681 T^6 + 28208 T^7 - 79471 T^8 + 129892 T^9 - 151079 T^{10} + \\
& \quad 129892 T^{11} - 79471 T^{12} + 28208 T^{13} + 2681 T^{14} - 11016 T^{15} + 7585 T^{16} - 2892 T^{17} + 645 T^{18} - 76 T^{19} + 4 T^{20}) \hbar^3 + \\
& (4 a T (1 + T) (1 - T + T^2) (3 - 5 T + 3 T^2) (11 - 81 T + 309 T^2 - 690 T^3 + 1038 T^4 - 1134 T^5 + 914 T^6 - \\
& \quad 522 T^7 + 180 T^8 - 17 T^9 - 9 T^{10} + 3 T^{11}) x y \hbar^4) / (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^3 - \\
& (4 a^2 T (7 - 56 T + 240 T^2 - 487 T^3 + 232 T^4 + 1368 T^5 - 4333 T^6 + 7564 T^7 - 9525 T^8 + 9332 T^9 - \\
& \quad 7245 T^{10} + 4365 T^{11} - 1900 T^{12} + 521 T^{13} - 57 T^{14} - 8 T^{15} + 3 T^{16}) x y \hbar^4) / \\
& (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^3 - \frac{1}{3 (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^4} \\
& (1 + T) (108 - 1292 T + 7520 T^2 - 28079 T^3 + 74624 T^4 - 147587 T^5 + 218348 T^6 - 228763 T^7 + 127108 T^8 + \\
& \quad 75497 T^9 - 283592 T^{10} + 372257 T^{11} - 283592 T^{12} + 75497 T^{13} + 127108 T^{14} - 228763 T^{15} + \\
& \quad 218348 T^{16} - 147587 T^{17} + 74624 T^{18} - 28079 T^{19} + 7520 T^{20} - 1292 T^{21} + 108 T^{22}) x y \hbar^4 + \\
& (2 a T (-24 + 170 T - 657 T^2 + 1256 T^3 - 981 T^4 - 1323 T^5 + 5199 T^6 - 9049 T^7 + 10881 T^8 - 9927 T^9 + \\
& \quad 6957 T^{10} - 3546 T^{11} + 1193 T^{12} - 196 T^{13} + 6 T^{15}) x^2 y^2 \hbar^5) / (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^3 - \\
& \frac{1}{(1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^3} (-18 - 60 T + 988 T^2 - 4723 T^3 + 12050 T^4 - 19335 T^5 + 19017 T^6 - 7023 T^7 - \\
& \quad 12209 T^8 + 27675 T^9 - 31059 T^{10} + 23091 T^{11} - 11368 T^{12} + 3167 T^{13} - 74 T^{14} - 228 T^{15} + 60 T^{16}) x^2 y^2 \hbar^5 - \\
& (2 (1 + T) (3 + 12 T - 180 T^2 + 937 T^3 - 2581 T^4 + 4906 T^5 - 6883 T^6 + 7747 T^7 - 6883 T^8 + 4906 T^9 - \\
& \quad 2581 T^{10} + 937 T^{11} - 180 T^{12} + 12 T^{13} + 3 T^{14}) x^3 y^3 \hbar^6) / (3 (1 - 4 T + 8 T^2 - 11 T^3 + 8 T^4 - 4 T^5 + T^6)^3) \Big] \Big] \Big\}
\end{aligned}$$

(Alt) In[]:= [PrintProfile\[\]](#)

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(Alt) Out[ ]:= ProfileRoot is root. Profiled time: 11424.3
( 6) 6.883/ 11424.250 above Z
( 6) 0.016/ 0.016 above RVK
CCF: called 386647 times, time in 5993.84/5993.84
( 386647) 5993.841/ 5993.841 under CF
CF: called 89125 times, time in 4725.87/10719.7
( 1341) 26.459/ 48.577 under Z
( 396) 0.437/ 0.704 under Boot
( 1272) 2115.945/ 3101.286 under EZip3
( 636) 1.331/ 1.577 under Zip1
( 2544) 2025.201/ 6492.424 under Zip2
( 82936) 556.497/ 1075.143 under Zip3
( 386647) 5993.841/ 5993.841 above CCF
EZip3: called 318 times, time in 566.597/3739.07
( 237) 565.864/ 3733.727 under Z
( 81) 0.733/ 5.342 under Boot
( 1272) 2115.945/ 3101.286 above CF
( 318) 19.049/ 71.186 above Zip3
Zip3: called 636 times, time in 113.621/1188.76
( 237) 90.978/ 1109.643 under Z
( 81) 3.594/ 7.935 under Boot
( 318) 19.049/ 71.186 under EZip3
( 82936) 556.497/ 1075.143 above CF
Zip2: called 636 times, time in 11.201/6503.63
( 474) 9.631/ 6499.667 under Z
( 162) 1.570/ 3.958 under Boot
( 2544) 2025.201/ 6492.424 above CF
Z: called 6 times, time in 6.883/11424.3
( 6) 6.883/ 11424.250 under ProfileRoot
( 21) 0.123/ 20.718 above Boot
( 1341) 26.459/ 48.577 above CF
( 237) 565.864/ 3733.727 above EZip3
( 237) 3.832/ 5.035 above Zip1
( 474) 9.631/ 6499.667 above Zip2
( 237) 90.978/ 1109.643 above Zip3
Zip1: called 318 times, time in 5.755/7.332
( 237) 3.832/ 5.035 under Z
( 81) 1.923/ 2.297 under Boot
( 636) 1.331/ 1.577 above CF
Boot: called 75 times, time in 0.482/53.092
( 21) 0.123/ 20.718 under Z
( 54) 0.359/ 32.374 under Boot
( 54) 0.359/ 32.374 above Boot
( 396) 0.437/ 0.704 above CF
( 81) 0.733/ 5.342 above EZip3
( 81) 1.923/ 2.297 above Zip1
( 162) 1.570/ 3.958 above Zip2
( 81) 3.594/ 7.935 above Zip3
RVK: called 6 times, time in 0.016/0.016
( 6) 0.016/ 0.016 under ProfileRoot

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