We now consider the simplified model of minial-system-extend 10.

```
with(LinearAlgebra):
interface(rtablesize = 80):
```

We consider the following biochemical reaction network

$$K + SR <-> K_SR -> K + SRp$$

$$K + ST <-> K_ST -> K + STp$$

$$SRp -> SR$$

$$STp -> ST$$

$$SR <-> STp$$

$$K_SR <-> STp$$

$$K_SR <-> K_ST$$

$$K + S_R <-> K_ST$$

$$K + S_R <-> K_S <->$$

The species for this reaction networks are

There are total 14 reactions and 7 species.

Using the same method, we construct the mass-action ODE system by defining the stoichiometric matrix A, and the vector of rates k_{rs} .

$$\frac{dx}{dt} = A \cdot k_{rs}$$

The steady states is given by $A \cdot k_{rs} = 0$. Now we construct the stoichiomatric matrix:

```
A[9,1] := -1 : A[9,3] := 1 : A[10] := -A[9] :
 [ > A[11, 2] := -1 : A[11, 4] := 1 : A[12] := -A[11] : 
 [ > A[13, 6] := -1 : A[13, 7] := 1 : A[14] := -A[13] : 
 \rightarrow A := Transpose(A)
                  (1)
 > ks := Vector([k_1 \cdot x_1 \cdot x_5, k_2 \cdot x_6, k_3 \cdot x_6, k_4 \cdot x_3 \cdot x_5, k_5 \cdot x_7, k_6 \cdot x_7, k_7 \cdot x_2, k_8 \cdot x_4, k_9 \cdot x_1, k_{10} \cdot x_3, k_{11} \cdot x_2, k_{12})
            x_4, k_{13}, x_6, k_{14}, x_7
                                                          k_{2} x_{6}
k_{3} x_{6}
k_{4} x_{3} x_{5}
k_{5} x_{7}
k_{6} x_{7}
k_{7} x_{2}
k_{8} x_{4}
k_{9} x_{1}
k_{10} x_{3}
k_{11} x_{2}
k_{12} x_{4}
k_{13} x_{6}
                                                                                                                                                  (2)
```

ssEqs := A.ks

$$ssEqs := \begin{bmatrix} -k_1 x_1 x_5 + k_2 x_6 + k_7 x_2 - k_9 x_1 + k_{10} x_3 \\ k_3 x_6 - k_7 x_2 - k_{11} x_2 + k_{12} x_4 \\ -k_4 x_3 x_5 + k_5 x_7 + k_8 x_4 + k_9 x_1 - k_{10} x_3 \\ k_6 x_7 - k_8 x_4 + k_{11} x_2 - k_{12} x_4 \\ -k_1 x_1 x_5 - k_4 x_3 x_5 + k_2 x_6 + k_3 x_6 + k_5 x_7 + k_6 x_7 \\ k_1 x_1 x_5 - k_2 x_6 - k_3 x_6 - k_{13} x_6 + k_{14} x_7 \\ k_4 x_3 x_5 - k_5 x_7 - k_6 x_7 + k_{13} x_6 - k_{14} x_7 \end{bmatrix}$$

conservation laws:

 $F \coloneqq \textit{ReducedRowEchelonForm}(\textit{Transpose}(\textit{Matrix}([\textit{op}(\textit{NullSpace}(\textit{Transpose}(\textit{A})))])))$

The conservation laws are:

$$x_1 + x_2 + x_3 + x_4 + x_6 + x_7 - T_1, x_5 + x_6 + x_7 - T_2$$

>
$$subsEqs := [ssEqs[2], ssEqs[3], ssEqs[1], ssEqs[6], ssEqs[7], x_1 + x_2 + x_3 + x_4 + x_6 + x_7 - T_1, x_5 + x_6 + x_7 - T_2]$$

 $subsEqs := [k_3 x_6 - k_7 x_2 - k_{11} x_2 + k_{12} x_4, -k_4 x_3 x_5 + k_5 x_7 + k_8 x_4 + k_9 x_1 - k_{10} x_3, -k_1 x_1 x_5 + k_2 x_6 + k_7 x_2 - k_9 x_1 + k_{10} x_3, k_1 x_1 x_5 - k_2 x_6 - k_3 x_6 - k_{13} x_6 + k_{14} x_7, -k_4 x_3 x_5 - k_5 x_7 - k_6 x_7 + k_{13} x_6 - k_{14} x_7, x_1 + x_2 + x_3 + x_4 + x_6 + x_7 - T_1, x_5 + x_6 + x_7 - T_2]$

- =
 >
 >
 =
 now compute the Jacobian of the subsEqs:
- $J := VectorCalculus[Jacobian](subsEqs, [seq(x_i, i = 1..7)])$

$$J := \begin{bmatrix} 0 & -k_7 - k_{11} & 0 & k_{12} & 0 & k_3 & 0 \\ k_9 & 0 & -k_4 x_5 - k_{10} & k_8 & -k_4 x_3 & 0 & k_5 \\ -k_1 x_5 - k_9 & k_7 & k_{10} & 0 & -k_1 x_1 & k_2 & 0 \\ k_1 x_5 & 0 & 0 & 0 & k_1 x_1 & -k_2 - k_3 - k_{13} & k_{14} \\ 0 & 0 & k_4 x_5 & 0 & k_4 x_3 & k_{13} & -k_5 - k_6 - k_{14} \\ 1 & 1 & 1 & 1 & 0 & 1 & 1 \\ 0 & 0 & 0 & 0 & 1 & 1 & 1 \end{bmatrix}$$

$$(6)$$

 \triangleright Determinant(J):

> $detJ := collect(\%, \{seq(x_i, i = 1..7)\}, 'distributed')$ $det J := (k_1 k_3 k_4 k_8 k_9 - k_1 k_3 k_4 k_8 k_{11} + k_1 k_3 k_4 k_9 k_{11} + k_1 k_3 k_4 k_9 k_{12} - k_1 k_4 k_6 k_7 k_9)$ **(7)** $-k_1 k_4 k_6 k_7 k_{12} - k_1 k_4 k_6 k_9 k_{11} - k_1 k_4 k_6 k_9 k_{12} - k_1 k_4 k_7 k_8 k_{13} - k_1 k_4 k_7 k_8 k_{14}$ $-k_1 k_4 k_7 k_{12} k_{13} - k_1 k_4 k_7 k_{12} k_{14} - k_1 k_4 k_8 k_{11} k_{13} - k_1 k_4 k_8 k_{11} k_{14} x_1 x_5 + ($ $-k_1 k_3 k_4 k_8 k_{10} - k_1 k_3 k_4 k_8 k_{11} - k_1 k_3 k_4 k_{10} k_{11} - k_1 k_3 k_4 k_{10} k_{12} + k_1 k_4 k_6 k_7 k_{10}$ $-k_{1}k_{4}k_{6}k_{7}k_{12}+k_{1}k_{4}k_{6}k_{10}k_{11}+k_{1}k_{4}k_{6}k_{10}k_{12}-k_{1}k_{4}k_{7}k_{8}k_{13}-k_{1}k_{4}k_{7}k_{8}k_{14}$ $-k_1 k_4 k_7 k_{12} k_{13} - k_1 k_4 k_7 k_{12} k_{14} - k_1 k_4 k_8 k_{11} k_{13} - k_1 k_4 k_8 k_{11} k_{14}$ $) x_3 x_5 + ($ $-k_{1} \; k_{3} \; k_{4} \; k_{6} \; k_{11} \; - \; k_{1} \; k_{3} \; k_{4} \; k_{6} \; k_{12} \; - \; k_{1} \; k_{3} \; k_{4} \; k_{8} \; k_{11} \; - \; k_{1} \; k_{3} \; k_{4} \; k_{8} \; k_{14} \; - \; k_{1} \; k_{3} \; k_{4} \; k_{11} \; k_{14} \; k_{14} \; k_{15} \; k_{14} \; k_{15} \; k_{15} \; k_{16} \; k_{17} \; k_{18} \; k_{18} \; k_{11} \; k_{12} \; k_{13} \; k_{14} \; k_{16} \; k_{17} \; k_{18} \; k_{18} \; k_{11} \; k_{18} \; k_{$ $-k_1 k_3 k_4 k_{12} k_{14} - k_1 k_4 k_6 k_7 k_{12} - k_1 k_4 k_6 k_7 k_{13} - k_1 k_4 k_6 k_{11} k_{13} - k_1 k_4 k_6 k_{12} k_{13}$ $-k_{1} k_{4} k_{7} k_{8} k_{13} - k_{1} k_{4} k_{7} k_{8} k_{14} - k_{1} k_{4} k_{7} k_{12} k_{13} - k_{1} k_{4} k_{7} k_{12} k_{14} - k_{1} k_{4} k_{8} k_{11} k_{13}$ $-k_1 k_4 k_8 k_{11} k_{14} x_5^2 + (-k_1 k_3 k_5 k_8 k_{10} - k_1 k_3 k_5 k_8 k_{11} - k_1 k_3 k_5 k_{10} k_{11}$ $-\,k_{1}\,k_{3}\,k_{5}\,k_{10}\,k_{12}\,-\,k_{1}\,k_{3}\,k_{6}\,k_{8}\,k_{10}\,-\,k_{1}\,k_{3}\,k_{6}\,k_{8}\,k_{11}\,-\,k_{1}\,k_{3}\,k_{6}\,k_{10}\,k_{11}\,-\,k_{1}\,k_{3}\,k_{6}\,k_{10}\,k_{12}$ $-\,k_{1}\,k_{3}\,k_{8}\,k_{10}\,k_{14}-k_{1}\,k_{3}\,k_{8}\,k_{11}\,k_{14}-k_{1}\,k_{3}\,k_{10}\,k_{11}\,k_{14}-k_{1}\,k_{3}\,k_{10}\,k_{12}\,k_{14}-k_{1}\,k_{5}\,k_{7}\,k_{8}\,k_{10}$ $-k_1 k_5 k_7 k_8 k_{13} - k_1 k_5 k_7 k_{10} k_{12} - k_1 k_5 k_7 k_{12} k_{13} - k_1 k_5 k_8 k_{10} k_{11} - k_1 k_5 k_8 k_{11} k_{13}$ $-k_1 k_6 k_7 k_8 k_{10} - k_1 k_6 k_7 k_8 k_{13} - k_1 k_6 k_7 k_{10} k_{12} - k_1 k_6 k_7 k_{10} k_{13} - k_1 k_6 k_8 k_{10} k_{11}$ $-k_1 k_6 k_8 k_{11} k_{13} - k_1 k_6 k_{10} k_{11} k_{13} - k_1 k_6 k_{10} k_{12} k_{13} - k_1 k_7 k_8 k_{10} k_{13}$ $-k_1 k_7 k_8 k_{10} k_{14} - k_1 k_7 k_{10} k_{12} k_{13} - k_1 k_7 k_{10} k_{12} k_{14} - k_1 k_8 k_{10} k_{11} k_{13}$ $-k_1 k_8 k_{10} k_{11} k_{14} - k_2 k_4 k_6 k_7 k_9 - k_2 k_4 k_6 k_7 k_{12} - k_2 k_4 k_6 k_9 k_{11} - k_2 k_4 k_6 k_9 k_{12}$ $-k_{2}k_{4}k_{7}k_{8}k_{9}-k_{2}k_{4}k_{7}k_{8}k_{14}-k_{2}k_{4}k_{7}k_{9}k_{12}-k_{2}k_{4}k_{7}k_{12}k_{14}-k_{2}k_{4}k_{8}k_{9}k_{11}$ $-k_{2}k_{4}k_{8}k_{11}k_{14}-k_{3}k_{4}k_{6}k_{7}k_{9}-k_{3}k_{4}k_{6}k_{7}k_{12}-k_{3}k_{4}k_{6}k_{9}k_{11}-k_{3}k_{4}k_{6}k_{9}k_{12}$ $-k_{3}k_{4}k_{7}k_{8}k_{9}-k_{3}k_{4}k_{7}k_{8}k_{14}-k_{3}k_{4}k_{7}k_{9}k_{12}-k_{3}k_{4}k_{7}k_{13}k_{14}-k_{3}k_{4}k_{8}k_{9}k_{11}$ $-k_3 k_4 k_8 k_9 k_{14} - k_3 k_4 k_9 k_{11} k_{14} - k_3 k_4 k_9 k_{12} k_{14} - k_4 k_6 k_7 k_9 k_{13} - k_4 k_6 k_7 k_{12} k_{13}$

 $-k_4 k_6 k_9 k_{11} k_{13} - k_4 k_6 k_9 k_{12} k_{13} - k_4 k_7 k_8 k_9 k_{13} - k_4 k_7 k_8 k_9 k_{14} - k_4 k_7 k_9 k_{12} k_{13}$

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-k_1 k_5 k_7 k_8 k_{10} - k_1 k_5 k_7 k_9 k_{12} - k_1 k_5 k_7 k_{10} k_{12} - k_1 k_5 k_8 k_9 k_{11} - k_1 k_5 k_8 k_{10} k_{11}
       -k_1 k_6 k_7 k_8 k_9 - k_1 k_6 k_7 k_8 k_{10} - k_1 k_6 k_7 k_9 k_{12} - k_1 k_6 k_7 k_{10} k_{12} - k_1 k_6 k_8 k_9 k_{11}
       -k_{1} k_{6} k_{8} k_{10} k_{11} - k_{1} k_{7} k_{8} k_{9} k_{13} - k_{1} k_{7} k_{8} k_{9} k_{14} - k_{1} k_{7} k_{8} k_{10} k_{13} - k_{1} k_{7} k_{8} k_{10} k_{14}
       -k_1 k_7 k_9 k_{12} k_{13} - k_1 k_7 k_9 k_{12} k_{14} - k_1 k_7 k_{10} k_{12} k_{13} - k_1 k_7 k_{10} k_{12} k_{14}
       -k_1 k_2 k_0 k_{11} k_{13} - k_1 k_2 k_0 k_{11} k_{14} - k_1 k_2 k_{10} k_{11} k_{13} - k_1 k_2 k_{10} k_{11} k_{14}) x_1 + (
      -k_{2} k_{4} k_{7} k_{8} k_{9} -k_{2} k_{4} k_{7} k_{8} k_{10} -k_{2} k_{4} k_{7} k_{9} k_{12} -k_{2} k_{4} k_{7} k_{10} k_{12} -k_{2} k_{4} k_{8} k_{9} k_{11}
       -k_{2}k_{4}k_{8}k_{10}k_{11}-k_{3}k_{4}k_{7}k_{8}k_{9}-k_{3}k_{4}k_{7}k_{8}k_{10}-k_{3}k_{4}k_{7}k_{9}k_{12}-k_{3}k_{4}k_{7}k_{10}k_{12}
       -k_{3} k_{4} k_{8} k_{9} k_{11} - k_{3} k_{4} k_{8} k_{10} k_{11} - k_{4} k_{7} k_{8} k_{9} k_{13} - k_{4} k_{7} k_{8} k_{9} k_{14} - k_{4} k_{7} k_{8} k_{10} k_{13}
       -k_{4}k_{7}k_{8}k_{10}k_{14}-k_{4}k_{7}k_{9}k_{12}k_{13}-k_{4}k_{7}k_{9}k_{12}k_{14}-k_{4}k_{7}k_{10}k_{12}k_{13}
       -k_4 k_7 k_{10} k_{12} k_{14} - k_4 k_8 k_9 k_{11} k_{13} - k_4 k_8 k_9 k_{11} k_{14} - k_4 k_8 k_{10} k_{11} k_{13}
       -k_{4}k_{8}k_{10}k_{11}k_{14}) x_{3}-k_{3}k_{6}k_{8}k_{10}k_{11}-k_{3}k_{7}k_{8}k_{9}k_{14}-k_{3}k_{7}k_{8}k_{10}k_{14}
       -k_3 k_8 k_9 k_{11} k_{14} - k_3 k_8 k_{10} k_{11} k_{14} - k_5 k_7 k_8 k_9 k_{13} - k_5 k_7 k_8 k_{10} k_{13} - k_5 k_8 k_9 k_{11} k_{13}
       -k_5 k_8 k_{10} k_{11} k_{13} - k_6 k_7 k_8 k_9 k_{13} - k_6 k_7 k_8 k_{10} k_{13} - k_6 k_8 k_9 k_{11} k_{13} - k_6 k_8 k_{10} k_{11} k_{13}
       -k_2 k_5 k_7 k_9 k_{12} - k_2 k_5 k_7 k_{10} k_{12} - k_2 k_6 k_7 k_9 k_{12} - k_2 k_6 k_7 k_{10} k_{12} - k_2 k_7 k_9 k_{12} k_{14}
       -k_{2}k_{7}k_{10}k_{12}k_{14}-k_{3}k_{5}k_{7}k_{9}k_{12}-k_{3}k_{5}k_{7}k_{10}k_{12}-k_{3}k_{6}k_{7}k_{9}k_{12}-k_{3}k_{6}k_{7}k_{10}k_{12}
       -k_3 k_7 k_9 k_{12} k_{14} - k_3 k_7 k_{10} k_{12} k_{14} - k_5 k_7 k_9 k_{12} k_{13} - k_5 k_7 k_{10} k_{12} k_{13}
       -k_{6}k_{7}k_{9}k_{12}k_{13}-k_{6}k_{7}k_{10}k_{12}k_{13}-k_{2}k_{5}k_{7}k_{8}k_{9}-k_{2}k_{5}k_{7}k_{8}k_{10}-k_{2}k_{5}k_{8}k_{9}k_{11}
       -k_{2} k_{5} k_{8} k_{10} k_{11} - k_{2} k_{6} k_{7} k_{8} k_{9} - k_{2} k_{6} k_{7} k_{8} k_{10} - k_{2} k_{6} k_{8} k_{9} k_{11} - k_{2} k_{6} k_{8} k_{10} k_{11}
       -k_{2}k_{3}k_{6}k_{14}-k_{2}k_{7}k_{8}k_{10}k_{14}-k_{2}k_{8}k_{6}k_{11}k_{14}-k_{2}k_{8}k_{10}k_{11}k_{14}-k_{3}k_{5}k_{7}k_{8}k_{9}
       -k_3 k_5 k_7 k_8 k_{10} - k_3 k_5 k_8 k_9 k_{11} - k_3 k_5 k_8 k_{10} k_{11} - k_3 k_6 k_7 k_8 k_9 - k_3 k_6 k_7 k_8 k_{10}
       -k_3 k_6 k_8 k_9 k_{11}
= > # parameterise the steady states as function of x_1 and x_3,
           using the other five steady state equations: (when x_1 and x_2 are positive, so are the rest)
> solution := solve([subsEqs[1], subsEqs[2], subsEqs[3], subsEqs[4], subsEqs[5]], [x_2, x_3, x_1, x_2, x_3, x_2, x_3, x_4, x_5]
          x_6, x_7
```

> solution := solve([subsEqs[1], subsEqs[2], subsEqs[3], subsEqs[4], subsEqs[5]], [x_2 , x_3 , x_1 , x_6 , x_7])

solution := $\begin{bmatrix} x_2 = (x_4 (k_1 k_3 k_4 k_6 k_{12} x_5 + k_1 k_3 k_4 k_8 k_{14} x_5 + k_1 k_3 k_4 k_{12} k_{14} x_5 + k_1 k_3 k_4 k_{12} k_{14} x_5 \end{bmatrix}$ + $k_1 k_4 k_6 k_{12} k_{13} x_5 + k_1 k_3 k_5 k_8 k_{10} + k_1 k_3 k_5 k_{10} k_{12} + k_1 k_3 k_6 k_8 k_{10} + k_1 k_3 k_6 k_{10} k_{12}$

 $+\ k_{1}\ k_{3}\ k_{8}\ k_{10}\ k_{14} + k_{1}\ k_{3}\ k_{10}\ k_{12}\ k_{14} + k_{1}\ k_{6}\ k_{10}\ k_{12}\ k_{13} + k_{2}\ k_{4}\ k_{6}\ k_{9}\ k_{12} + k_{3}\ k_{4}\ k_{6}\ k_{9}\ k_{12}$ $+ k_3 k_4 k_8 k_9 k_{14} + k_3 k_4 k_9 k_{12} k_{14} + k_4 k_6 k_9 k_{12} k_{13}) / (k_1 k_3 k_4 k_6 k_{11} x_5)$ $+ k_1 k_3 k_4 k_{11} k_{14} x_5 + k_1 k_4 k_6 k_7 k_{13} x_5 + k_1 k_4 k_6 k_{11} k_{13} x_5 + k_1 k_3 k_5 k_{10} k_{11}$ $+\ k_{1}\ k_{3}\ k_{6}\ k_{10}\ k_{11}\ +\ k_{1}\ k_{3}\ k_{10}\ k_{11}\ k_{14}\ +\ k_{1}\ k_{6}\ k_{7}\ k_{10}\ k_{13}\ +\ k_{1}\ k_{6}\ k_{10}\ k_{11}\ k_{13}\ +\ k_{2}\ k_{4}\ k_{6}\ k_{7}\ k_{9}$ $+ k_{2} k_{4} k_{6} k_{9} k_{11} + k_{3} k_{4} k_{6} k_{7} k_{9} + k_{3} k_{4} k_{6} k_{9} k_{11} + k_{3} k_{4} k_{9} k_{11} k_{14} + k_{4} k_{6} k_{7} k_{9} k_{13}$ $+ k_4 k_6 k_9 k_{11} k_{13}$, $x_3 = (x_4 (k_1 k_3 k_5 k_8 k_{11} x_5 + k_1 k_3 k_6 k_8 k_{11} x_5)$ $+ k_1 k_3 k_8 k_{11} k_{14} x_5 + k_1 k_5 k_7 k_8 k_{13} x_5 + k_1 k_5 k_7 k_{12} k_{13} x_5 + k_1 k_5 k_8 k_{11} k_{13} x_5$ $+k_{1} k_{6} k_{7} k_{8} k_{13} x_{5} + k_{1} k_{6} k_{8} k_{11} k_{13} x_{5} + k_{2} k_{5} k_{7} k_{8} k_{9} + k_{2} k_{5} k_{7} k_{9} k_{12} + k_{2} k_{5} k_{8} k_{9} k_{11}$ $+k_{2}k_{6}k_{7}k_{8}k_{9}+k_{2}k_{6}k_{7}k_{9}k_{12}+k_{2}k_{6}k_{8}k_{9}k_{11}+k_{2}k_{7}k_{8}k_{9}k_{14}+k_{2}k_{7}k_{9}k_{12}k_{14}$ $+k_{2}k_{8}k_{9}k_{11}k_{14}+k_{3}k_{5}k_{7}k_{8}k_{9}+k_{3}k_{5}k_{7}k_{9}k_{12}+k_{3}k_{5}k_{8}k_{9}k_{11}+k_{3}k_{6}k_{7}k_{8}k_{9}$ $+ k_{3} k_{6} k_{7} k_{9} k_{12} + k_{3} k_{6} k_{8} k_{9} k_{11} + k_{3} k_{7} k_{8} k_{9} k_{14} + k_{3} k_{7} k_{9} k_{12} k_{14} + k_{3} k_{8} k_{9} k_{11} k_{14}$ $+\ k_5\ k_7\ k_8\ k_9\ k_{13}\ +\ k_5\ k_7\ k_9\ k_{12}\ k_{13}\ +\ k_5\ k_8\ k_9\ k_{11}\ k_{13}\ +\ k_6\ k_7\ k_8\ k_9\ k_{13}\ +\ k_6\ k_7\ k_9\ k_{12}\ k_{13}$ $+k_{6}k_{8}k_{9}k_{11}k_{13}))/((k_{1}k_{3}k_{4}k_{6}k_{11}x_{5}+k_{1}k_{3}k_{4}k_{11}k_{14}x_{5}+k_{1}k_{4}k_{6}k_{7}k_{13}x_{5})$ $+\ k_{1}\ k_{4}\ k_{6}\ k_{11}\ k_{13}\ x_{5}\ +\ k_{1}\ k_{3}\ k_{5}\ k_{10}\ k_{11}\ +\ k_{1}\ k_{3}\ k_{6}\ k_{10}\ k_{11}\ +\ k_{1}\ k_{3}\ k_{10}\ k_{11}\ k_{14}$ $+\ k_{1}\ k_{6}\ k_{7}\ k_{10}\ k_{13}\ +\ k_{1}\ k_{6}\ k_{10}\ k_{11}\ k_{13}\ +\ k_{2}\ k_{4}\ k_{6}\ k_{7}\ k_{9}\ +\ k_{2}\ k_{4}\ k_{6}\ k_{9}\ k_{11}\ +\ k_{3}\ k_{4}\ k_{6}\ k_{7}\ k_{9}$ $+ k_3 k_4 k_6 k_9 k_{11} + k_3 k_4 k_9 k_{11} k_{14} + k_4 k_6 k_7 k_9 k_{13} + k_4 k_6 k_9 k_{11} k_{13}) x_5), x_1$

$$= (x_4 (k_2 k_4 k_6 k_7 k_{12} x_5 + k_2 k_4 k_7 k_8 k_{14} x_5 + k_2 k_4 k_7 k_{12} k_{14} x_5 + k_2 k_4 k_8 k_{11} k_{14} x_5 \\ + k_3 k_4 k_6 k_7 k_{12} x_5 + k_3 k_4 k_7 k_8 k_{14} x_5 + k_3 k_4 k_7 k_{12} k_{14} x_5 + k_4 k_6 k_7 k_{12} k_{13} x_5 \\ + k_2 k_5 k_7 k_8 k_{10} + k_2 k_5 k_7 k_{10} k_{12} + k_2 k_5 k_8 k_{10} k_{11} + k_2 k_6 k_7 k_8 k_{10} + k_2 k_6 k_7 k_{10} k_{12} \\ + k_2 k_6 k_5 k_{10} k_{11} + k_2 k_7 k_8 k_{10} k_{14} + k_2 k_7 k_{10} k_{12} k_{14} + k_2 k_8 k_{10} k_{11} k_{14} + k_3 k_5 k_7 k_8 k_{10} \\ + k_3 k_5 k_7 k_{10} k_{12} + k_3 k_5 k_8 k_{10} k_{11} + k_3 k_6 k_7 k_8 k_{10} + k_3 k_6 k_7 k_{10} k_{12} + k_3 k_6 k_8 k_{10} k_{11} \\ + k_3 k_7 k_8 k_{10} k_{14} + k_3 k_7 k_{10} k_{12} k_{14} + k_3 k_8 k_{10} k_{11} k_{14} + k_5 k_7 k_8 k_{10} k_{13} \\ + k_5 k_7 k_{10} k_{12} k_{13} + k_5 k_8 k_{10} k_{11} k_{13} + k_6 k_7 k_8 k_{10} k_{13} + k_6 k_7 k_{10} k_{12} k_{13} \\ + k_6 k_8 k_{10} k_{11} k_{13})) / (x_5 (k_1 k_3 k_4 k_6 k_{11} x_5 + k_1 k_3 k_4 k_{11} k_{14} x_5 + k_1 k_4 k_6 k_7 k_{13} x_5 \\ + k_1 k_4 k_6 k_{11} k_{13} x_5 + k_1 k_3 k_5 k_{10} k_{11} k_{13} + k_2 k_4 k_6 k_7 k_9 + k_2 k_4 k_6 k_9 k_{11} + k_3 k_4 k_6 k_7 k_9 \\ + k_3 k_4 k_6 k_9 k_{11} + k_3 k_4 k_9 k_{11} k_{14} + k_4 k_6 k_7 k_9 k_{13} + k_4 k_6 k_9 k_{11} k_{13})) \cdot x_6 \\ = (x_4 (k_1 k_4 k_6 k_7 k_{12} x_5 + k_1 k_4 k_7 k_8 k_{14} x_5 + k_1 k_4 k_6 k_7 k_8 k_{10} k_{11} k_{14} x_5 \\ + k_1 k_5 k_7 k_8 k_{10} k_{11} + k_1 k_5 k_7 k_{10} k_{12} k_{14} + k_1 k_5 k_8 k_{10} k_{11} k_{14} + k_4 k_6 k_7 k_8 k_{10} k_{11} k_{14} x_5 \\ + k_1 k_6 k_8 k_{10} k_{11} + k_1 k_7 k_8 k_{10} k_{14} + k_1 k_7 k_{10} k_{12} k_{14} + k_1 k_8 k_{10} k_{11} k_{14} + k_4 k_7 k_8 k_9 k_{14} \\ + k_4 k_7 k_9 k_{12} k_{14} + k_4 k_8 k_9 k_{11} k_{14})) / (k_1 k_3 k_4 k_6 k_{11} k_5 + k_1 k_3 k_6 k_{10} k_{11} \\ + k_4 k_7 k_9 k_{12} k_{14} + k_4 k_8 k_9 k_{11} k_{14})) / (k_1 k_3 k_4 k_6 k_{11} k_5 + k_1 k_3 k_6 k_{10} k_{11} \\ + k_4 k_7 k_9 k_{12} k_{14} + k_4 k_8 k_9 k_{11} k_{14})) / (k_1 k_3 k_4 k_6 k_{11} k_5 k_5 k_6 k_{1$$

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+k_{1}k_{3}k_{10}k_{11}k_{14}+k_{1}k_{6}k_{7}k_{10}k_{13}+k_{1}k_{6}k_{10}k_{11}k_{13}+k_{2}k_{4}k_{6}k_{7}k_{9}+k_{2}k_{4}k_{6}k_{9}k_{11}
                      + k_{3} k_{4} k_{6} k_{7} k_{9} + k_{3} k_{4} k_{6} k_{9} k_{11} + k_{3} k_{4} k_{9} k_{11} k_{14} + k_{4} k_{6} k_{7} k_{9} k_{13} + k_{4} k_{6} k_{9} k_{11} k_{13}), x_{7}
                      = ((k_1 k_2 k_4 k_8 k_{11} x_5 + k_1 k_4 k_7 k_8 k_{13} x_5 + k_1 k_4 k_7 k_{12} k_{13} x_5 + k_1 k_4 k_8 k_{11} k_{13} x_5)
                      +k_{1}k_{7}k_{8}k_{10}k_{13}+k_{1}k_{7}k_{10}k_{12}k_{13}+k_{1}k_{8}k_{10}k_{11}k_{13}+k_{7}k_{8}k_{9}+k_{7}k_{8}k_{9}+k_{7}k_{4}k_{7}k_{9}k_{12}
                      + k_{2} k_{4} k_{8} k_{9} k_{11} + k_{3} k_{4} k_{7} k_{8} k_{9} + k_{3} k_{4} k_{7} k_{9} k_{12} + k_{3} k_{4} k_{8} k_{9} k_{11} + k_{4} k_{7} k_{8} k_{9} k_{13}
                      +k_4 k_7 k_9 k_{12} k_{13} + k_4 k_8 k_9 k_{11} k_{13} x_4 / (k_1 k_3 k_4 k_6 k_{11} x_5 + k_1 k_3 k_4 k_{11} k_{14} x_5)
                      + k_1 k_4 k_6 k_7 k_{13} x_5 + k_1 k_4 k_6 k_{11} k_{13} x_5 + k_1 k_3 k_5 k_{10} k_{11} + k_1 k_3 k_6 k_{10} k_{11}
                      + k_1 k_3 k_{10} k_{11} k_{14} + k_1 k_6 k_7 k_{10} k_{13} + k_1 k_6 k_{10} k_{11} k_{13} + k_2 k_4 k_6 k_7 k_9 + k_2 k_4 k_6 k_9 k_{11}
                      +k_{3}k_{4}k_{6}k_{7}k_{9}+k_{3}k_{4}k_{6}k_{9}k_{11}+k_{3}k_{4}k_{9}k_{11}k_{14}+k_{4}k_{6}k_{7}k_{9}k_{13}+k_{4}k_{6}k_{9}k_{11}k_{13}
 \rightarrow detSubs := subs(solution[1], detJ):
           polSubs := numer(detSubs):
 > finalPol := collect(polSubs, \{x_4, x_5\},'distributed')
\mathit{finalPol} \coloneqq \left( -k_1^2 \, k_3^2 \, k_4 \, k_5 \, k_8^2 \, k_{10} \, k_{11} - k_1^2 \, k_3^2 \, k_4 \, k_5 \, k_8^2 \, k_{11}^2 - k_1^2 \, k_3^2 \, k_4 \, k_5 \, k_8 \, k_{10} \, k_{11}^2 - k_1^2 \, k_3^2 \, k_4 \, k_5 \, k_8 \, k_{10} \, k_{11}^2 - k_1^2 \, k_2^2 \, k_4 \, k_5 \, k_8 \, k_{10} \, k_{11}^2 - k_1^2 \, k_2^2 \, k_4 \, k_5 \, k_8 \, k_{10} \, k_{11}^2 - k_1^2 \, k_2^2 \, k_4 \, k_5 \, k_8^2 \, k_1^2 \, k_2^2 \, k_4 \, k_5 \, k_8^2 \, k_1^2 \, k_1^2 \, k_2^2 \, k_1^2 \, k_2^2 \, k_2^2 \, k_1^2 \, k_2^2 \, k_2^2 \, k_2^2 \, k_2^2 \, k_2^2 \, k_1^2 \, k_2^2 \, k_2^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                              (9)
                   k_3^2 k_4 k_5 k_8 k_{10} k_{11} k_{12} - k_1^2 k_3^2 k_4 k_6 k_8^2 k_{10} k_{11} - k_1^2 k_3^2 k_4 k_6 k_8^2 k_{11}^2 - k_1^2 k_3^2 k_4 k_6 k_8 k_{10} k_{11}^2 - k_1^2 k_3^2 k_4 k_6 k_8 k_{10}^2 - k_1^2 k_3^2 k_4 k_6 k_8 k_8
                   k_{1}^{2} k_{3}^{2} k_{4} k_{6} k_{8} k_{10} k_{11} k_{12} - k_{1}^{2} k_{3}^{2} k_{4} k_{8}^{2} k_{10} k_{11} k_{14} - k_{1}^{2} k_{3}^{2} k_{4} k_{8}^{2} k_{11}^{2} k_{14} - k_{1}^{2} k_{3}^{2} k_{4} k_{8} k_{10}
                   k_{11}^2 k_{14} - k_1^2 k_3^2 k_4 k_8 k_{10} k_{11} k_{12} k_{14} + k_1^2 k_3 k_4 k_5 k_6 k_7 k_8 k_{10} k_{11} -
                   k_1^2 k_3 k_4 k_5 k_6 k_7 k_8 k_{11} k_{12} + k_1^2 k_3 k_4 k_5 k_6 k_8 k_{10} k_{11}^2 + k_1^2 k_3 k_4 k_5 k_6 k_8 k_{10} k_{11} k_{12} -
                   k_1^2 k_3 k_4 k_5 k_7 k_8^2 k_{10} k_{13} - 2 k_1^2 k_3 k_4 k_5 k_7 k_8^2 k_{11} k_{13} - k_1^2 k_3 k_4 k_5 k_7 k_8^2 k_{11} k_{14} -
                   k_1^2 k_3 k_4 k_5 k_7 k_8 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_5 k_7 k_8 k_{10} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_5 k_7 k_8 k_{11} k_{12} k_{13}
                      -k_1^2 k_3 k_4 k_5 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_5 k_7 k_{10} k_{11} k_{12} k_{13} - k_1^2 k_3 k_4 k_5 k_7 k_{10} k_{12}^2 k_{13} -
                   k_1^2 k_3 k_4 k_5 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_5 k_8^2 k_{11}^2 k_{13} - k_1^2 k_3 k_4 k_5 k_8^2 k_{11}^2 k_{14} -
                   k_1^2 k_3 k_4 k_5 k_8 k_{10} k_{11}^2 k_{13} - k_1^2 k_3 k_4 k_5 k_8 k_{10} k_{11} k_{12} k_{13} + k_1^2 k_3 k_4 k_6^2 k_7 k_8 k_{10} k_{11} -
                   k_{1}^{2}k_{3}k_{4}k_{6}^{2}k_{7}k_{8}k_{11}k_{12} + k_{1}^{2}k_{3}k_{4}k_{6}^{2}k_{8}k_{10}k_{11}^{2} + k_{1}^{2}k_{3}k_{4}k_{6}^{2}k_{8}k_{10}k_{11}k_{12} - k_{1}^{2}k_{3}k_{4}k_{6}k_{7}
                   k_{8}^{2} k_{10} k_{13} - 2 k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8}^{2} k_{11} k_{13} - k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8}^{2} k_{11} k_{14} -
                   k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8} k_{10} k_{11} k_{13} + k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8} k_{10} k_{11} k_{14} - k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8} k_{10} k_{12} k_{13} -
                   k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_8^2 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4 k_6 k_7 k_8 k_7 k_8
                   k_1^2 k_3 k_4 k_6 k_8^2 k_{11}^2 k_{13} - k_1^2 k_3 k_4 k_6 k_8^2 k_{11}^2 k_{14} - k_1^2 k_3 k_4 k_6 k_8 k_{10} k_{11}^2 k_{13} + k_1^2 k_3 k_4 k_6 k_8 k_{10}
```

 $k_{11}^2 k_{14} - k_1^2 k_3 k_4 k_6 k_8 k_{10} k_{11} k_{12} k_{13} + k_1^2 k_3 k_4 k_6 k_8 k_{10} k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_7$ $k_{8}^{2} k_{11} k_{13} k_{14} - k_{1}^{2} k_{3} k_{4} k_{7} k_{8}^{2} k_{11} k_{14}^{2} - k_{1}^{2} k_{3} k_{4} k_{7} k_{8} k_{11} k_{12} k_{13} k_{14} - k_{1}^{2} k_{3} k_{4} k_{7} k_{8} k_{11} k_{12}$ $k_{14}^2 - k_1^2 k_3 k_4 k_8^2 k_{11}^2 k_{13} k_{14} - k_1^2 k_3 k_4 k_8^2 k_{11}^2 k_{14}^2 + k_1^2 k_4 k_5 k_6 k_7^2 k_8 k_{10} k_{13} - k_1^2 k_4 k_5 k_6$ $k_7^2 k_8 k_{12} k_{13} + k_1^2 k_4 k_5 k_6 k_7^2 k_{10} k_{12} k_{13} - k_1^2 k_4 k_5 k_6 k_7^2 k_{12}^2 k_{13} + 2$ $k_{1}^{2} k_{4} k_{5} k_{6} k_{7} k_{10} k_{11} k_{12} k_{13} + k_{1}^{2} k_{4} k_{5} k_{6} k_{7} k_{10} k_{12}^{2} k_{13} + k_{1}^{2} k_{4} k_{5} k_{6} k_{8} k_{10} k_{11}^{2} k_{13} +$ $k_{1}^{2}\,k_{4}\,k_{5}\,k_{6}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{13}-k_{1}^{2}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{13}^{2}-k_{1}^{2}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{13}\,k_{14}-2\,k_{1}^{2}\,k_{4}\,k_{5}$ $k_7^2 k_8 k_{12} k_{13}^2 - 2 k_1^2 k_4 k_5 k_7^2 k_8 k_{12} k_{13} k_{14} - k_1^2 k_4 k_5 k_7^2 k_{12}^2 k_{13}^2 - k_1^2 k_4 k_5 k_7^2 k_{12}^2 k_{13} k_{14} - 2$ $k_{1}^{2} k_{4} k_{5} k_{7} k_{8} k_{11} k_{12} k_{13} k_{14} - k_{1}^{2} k_{4} k_{5} k_{8}^{2} k_{11}^{2} k_{13}^{2} - k_{1}^{2} k_{4} k_{5} k_{8}^{2} k_{11}^{2} k_{13} k_{14} + k_{1}^{2} k_{4} k_{6}^{2}$ $k_7^2 k_8 k_{10} k_{13} - k_1^2 k_4 k_6^2 k_7^2 k_8 k_{12} k_{13} + 2 k_1^2 k_4 k_6^2 k_7 k_8 k_{10} k_{11} k_{13} + k_1^2 k_4$ $k_{6}^{2} k_{7} k_{8} k_{10} k_{12} k_{13} - k_{1}^{2} k_{4} k_{6}^{2} k_{7} k_{8} k_{11} k_{12} k_{13} + k_{1}^{2} k_{4} k_{6}^{2} k_{8} k_{10} k_{11}^{2} k_{13} + k_{1}^{2} k_{4}$ $k_6^2 k_8 k_{10} k_{11} k_{12} k_{13} - k_1^2 k_4 k_6 k_7^2 k_8^2 k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8^2 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} - k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13}^2 - k_1^2 k_4 k_6 k_7^2 k_8 k_{13} k_{14} + k_1^2 k_8 k_7 k_8 k$ $k_1^2 k_4 k_6 k_7^2 k_8 k_{12} k_{13} k_{14} - 2 k_1^2 k_4 k_6 k_7 k_8^2 k_{11} k_{13}^2 - 2 k_1^2 k_4 k_6 k_7 k_8^2 k_{11} k_{13} k_{14}$ $k_{1}^{2} k_{4} k_{6} k_{7} k_{8} k_{11} k_{12} k_{13}^{2} - k_{1}^{2} k_{4} k_{6} k_{7} k_{8} k_{11} k_{12} k_{13} k_{14} - k_{1}^{2} k_{4} k_{6} k_{8}^{2} k_{11}^{2} k_{13}^{2} - k_{1}^{2} k_{4} k_{6} k_{8}^{2}$ k_{11}^{2} k_{13} k_{14} + k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{7} k_{8} k_{9} k_{12} - k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{7} k_{8} k_{11} k_{12} + k_{1} k_{2} k_{3} $k_4^2 k_6 k_7 k_9 k_{11} k_{12} + k_1 k_2 k_3 k_4^2 k_6 k_7 k_9 k_{12}^2 + k_1 k_2 k_3 k_4^2 k_7 k_8^2 k_9 k_{14} - k_1 k_2 k_3 k_4^2 k_7$ $k_{8}^{2} k_{11} k_{14} + k_{1} k_{2} k_{3} k_{4}^{2} k_{7} k_{8} k_{9} k_{11} k_{14} + 2 k_{1} k_{2} k_{3} k_{4}^{2} k_{7} k_{8} k_{9} k_{12} k_{14} - k_{1} k_{2} k_{3}$ $k_{4}^{2} \, k_{7} \, k_{8} \, k_{11} \, k_{12} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{7} \, k_{9} \, k_{11} \, k_{12} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{7} \, k_{9} \, k_{12}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2}$ $k_{8}^{2} k_{9} k_{11} k_{14} - k_{1} k_{2} k_{3} k_{4}^{2} k_{8}^{2} k_{11}^{2} k_{14} + k_{1} k_{2} k_{3} k_{4}^{2} k_{8} k_{9} k_{11}^{2} k_{14} + k_{1} k_{2} k_{3} k_{4}^{2} k_{8} k_{9} k_{11} k_{14} + k_{1} k_{2} k_{3} k_{4}^{2} k_{8} k_{9} k_{11} k_{12} k_{14}$ $-k_1 k_2 k_4^2 k_6^2 k_7^2 k_9 k_{12} - k_1 k_2 k_4^2 k_6^2 k_7^2 k_{12}^2 - k_1 k_2 k_4^2 k_6^2 k_7 k_9 k_{11} k_{12} - k_1 k_2 k_4^2 k_6^2 k_7 k_9 k_{12}^2$ $-k_1 k_2 k_4^2 k_6 k_7^2 k_8 k_9 k_{14} - k_1 k_2 k_4^2 k_6 k_7^2 k_8 k_{12} k_{13} - 2 k_1 k_2 k_4^2 k_6 k_7^2 k_8 k_{12} k_{14} - k_1 k_2$ $k_4^2 k_6 k_7^2 k_9 k_{12} k_{14} - k_1 k_2 k_4^2 k_6 k_7^2 k_{12}^2 k_{13} - 2 k_1 k_2 k_4^2 k_6 k_7^2 k_{12}^2 k_{14} - 2 k_1 k_2$ $k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{14} - k_1 k_2 k_4^2 k_6 k_7 k_8 k_9 k_{12} k_{14} - k_1 k_2 k_4^2 k_6 k_7 k_8 k_{11} k_{12} k_{13} - 2 k_1 k_2$ $k_{4}^{2} k_{6} k_{7} k_{8} k_{11} k_{12} k_{14} - k_{1} k_{2} k_{4}^{2} k_{6} k_{7} k_{9} k_{11} k_{12} k_{14} - k_{1} k_{2} k_{4}^{2} k_{6} k_{7} k_{9} k_{12}^{2} k_{14} - k_{1} k_{2}$ $k_4^2 k_6 k_8 k_9 k_{11}^2 k_{14} - k_1 k_2 k_4^2 k_6 k_8 k_9 k_{11} k_{12} k_{14} - k_1 k_2 k_4^2 k_7^2 k_8^2 k_{13} k_{14} - k_1 k_2 k_4^2 k_7^2 k_8^2 k_{14}^2$ $-2k_1k_2k_4^2k_7^2k_8k_{12}k_{13}k_{14} - 2k_1k_2k_4^2k_7^2k_8k_{12}k_{14}^2 - k_1k_2k_4^2k_7^2k_{12}^2k_{13}k_{14} - k_1k_2k_4^2$

 $k_7^2 k_{12}^2 k_{14}^2 - 2 k_1 k_2 k_4^2 k_7 k_8^2 k_{11} k_{13} k_{14} - 2 k_1 k_2 k_4^2 k_7 k_8^2 k_{11} k_{14}^2 - 2 k_1 k_2$ $k_{4}^{2} k_{7} k_{8} k_{11} k_{12} k_{13} k_{14} - 2 k_{1} k_{2} k_{4}^{2} k_{7} k_{8} k_{11} k_{12} k_{14}^{2} - k_{1} k_{2} k_{8}^{2} k_{11}^{2} k_{13} k_{14} - k_{1} k_{2} k_{4}^{2} k_{8}^{2}$ $k_{11}^2 \ k_{14}^2 + k_1 \ k_3^2 \ k_4^2 \ k_6 \ k_7 \ k_8 \ k_{01} \ k_{12} - k_1 \ k_3^2 \ k_4^2 \ k_6 \ k_7 \ k_8 \ k_{11} \ k_{12} + k_1 \ k_3^2 \ k_4^2 \ k_6 \ k_7 \ k_9 \ k_{11} \ k_{12} + k_1$ $k_{3}^{2} k_{4}^{2} k_{6} k_{7} k_{9} k_{12}^{2} + k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8}^{2} k_{9} k_{14} - k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8}^{2} k_{11} k_{14} + k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8} k_{9} k_{11} k_{14}$ $+2k_{1}k_{3}^{2}k_{4}^{2}k_{7}k_{8}k_{9}k_{12}k_{14}-k_{1}k_{3}^{2}k_{4}^{2}k_{7}k_{8}k_{11}k_{12}k_{14}+k_{1}k_{3}^{2}k_{4}^{2}k_{7}k_{9}k_{11}k_{12}k_{14}+k_{1}k_{3}^{2}$ $k_4^2 k_7 k_9 k_{12}^2 k_{14} - k_1 k_3 k_4^2 k_6^2 k_7^2 k_9 k_{12} - k_1 k_3 k_4^2 k_6^2 k_7^2 k_{12}^2 - k_1 k_3 k_4^2 k_6^2 k_7 k_9 k_{11} k_{12}$ $-k_1 k_3 k_4^2 k_6^2 k_7 k_9 k_{12}^2 - k_1 k_3 k_4^2 k_6 k_7^2 k_8 k_9 k_{14} - k_1 k_3 k_4^2 k_6 k_7^2 k_8 k_{12} k_{13} - 2 k_1 k_3 k_4^2 k_6$ $k_7^2 k_8 k_{12} k_{14} - k_1 k_3 k_4^2 k_6 k_7^2 k_9 k_{12} k_{14} - k_1 k_3 k_4^2 k_6 k_7^2 k_{12}^2 k_{13} - 2 k_1 k_3 k_4^2 k_6 k_7^2 k_{12}^2 k_{14}$ $-k_1 k_3 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{14} + k_1 k_3 k_4^2 k_6 k_7 k_8 k_9 k_{12} k_{13} - k_1 k_3 k_4^2 k_6 k_7 k_8 k_9 k_{12} k_{14}$ $-2k_1k_3k_4^2k_6k_7k_8k_{11}k_{12}k_{13}-k_1k_3k_4^2k_6k_7k_8k_{11}k_{12}k_{14}+k_1k_3k_4^2k_6k_7k_9k_{11}k_{12}k_{13}$ $k_4^2 k_7^2 k_8^2 k_{13} k_{14} - k_1 k_3 k_4^2 k_7^2 k_8^2 k_{14}^2 - 2 k_1 k_3 k_4^2 k_7^2 k_8 k_{12} k_{13} k_{14} - 2 k_1 k_3 k_4^2 k_7^2 k_8 k_{12} k_{14}^2$ $-k_{1} k_{3} k_{4}^{2} k_{7}^{2} k_{12}^{2} k_{13} k_{14} - k_{1} k_{3} k_{4}^{2} k_{7}^{2} k_{12}^{2} k_{14}^{2} - k_{1} k_{3} k_{4}^{2} k_{7} k_{8}^{2} k_{11} k_{13} k_{14} - k_{1} k_{3} k_{4}^{2} k_{7}$ $k_{8}^{2} k_{11} k_{14}^{2} - k_{1} k_{3} k_{4}^{2} k_{7} k_{8} k_{11} k_{12} k_{13} k_{14} - k_{1} k_{3} k_{4}^{2} k_{7} k_{8} k_{11} k_{12} k_{14}^{2} - k_{1} k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{9} k_{12} k_{13}$ $-k_1 k_4^2 k_6^2 k_7^2 k_{12}^2 k_{13} - k_1 k_4^2 k_6^2 k_7 k_9 k_{11} k_{12} k_{13} - k_1 k_4^2 k_6^2 k_7 k_9 k_{12}^2 k_{13} - k_1 k_4^2 k_6$ $k_7^2 k_8 k_{12} k_{13}^2 - k_1 k_4^2 k_6 k_7^2 k_8 k_{12} k_{13} k_{14} - k_1 k_4^2 k_6 k_7^2 k_{12}^2 k_{13}^2 - k_1 k_4^2 k_6 k_7^2 k_{12}^2 k_{13} k_{14} - k_1$ $-2k_1k_2k_3k_4k_5k_7k_8^2k_{10}k_{11}-2k_1k_2k_3k_4k_5k_7k_8k_9k_{11}k_{12}$ $-2k_1k_2k_3k_4k_5k_7k_8k_{10}k_{11}k_{12}-2k_1k_2k_3k_4k_5k_8^2k_9k_{11}^2-2k_1k_2k_3k_4k_5k_8^2k_{10}k_{11}^2$ $-2 k_1 k_2 k_3 k_4 k_6 k_7 k_8^2 k_9 k_{11} - 2 k_1 k_2 k_3 k_4 k_6 k_7 k_8^2 k_{10} k_{11}$ $-2k_1k_2k_3k_4k_6k_7k_8k_9k_{11}k_{12}-2k_1k_2k_3k_4k_6k_7k_8k_{10}k_{11}k_{12}-2k_1k_2k_3k_4k_6k_8^2k_9$ $k_{11}^2 - 2 k_1 k_2 k_3 k_4 k_6 k_8^2 k_{10} k_{11}^2 - 2 k_1 k_2 k_3 k_4 k_7 k_8^2 k_9 k_{11} k_{14} - 2 k_1 k_2 k_3 k_4 k_7$ $k_{8}^{2} k_{10} k_{11} k_{14} - 2 k_{1} k_{2} k_{3} k_{4} k_{7} k_{8} k_{9} k_{11} k_{12} k_{14} - 2 k_{1} k_{2} k_{3} k_{4} k_{7} k_{8} k_{10} k_{11} k_{12} k_{14}$ $-2k_1k_2k_3k_4k_8^2k_9k_{11}^2k_{14} - 2k_1k_2k_3k_4k_8^2k_{10}k_{11}^2k_{14} - 2k_1k_2k_4k_5k_6k_7^2k_8k_9k_{12}$ $-2k_1k_2k_4k_5k_6k_7^2k_8k_{10}k_{12}-2k_1k_2k_4k_5k_6k_7^2k_9k_{12}^2-2k_1k_2k_4k_5k_6k_7^2k_{10}k_{12}^2$ $-2k_1k_2k_4k_5k_6k_7k_8k_9k_{11}k_{12}-2k_1k_2k_4k_5k_6k_7k_8k_{10}k_{11}k_{12}-2k_1k_2k_4k_5k_7^2$ $k_{8}^{2} k_{9} k_{13} - 2 k_{1} k_{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9} k_{14} - 2 k_{1} k_{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{10} k_{13} - 2 k_{1} k_{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{10} k_{14}$

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-4k_{1}k_{2}k_{4}k_{5}k_{7}^{2}k_{8}k_{9}k_{12}k_{13}-4k_{1}k_{2}k_{4}k_{5}k_{7}^{2}k_{8}k_{9}k_{12}k_{14}-4k_{1}k_{2}k_{4}k_{5}
k_7^2 k_8 k_{10} k_{12} k_{13} - 4 k_1 k_2 k_4 k_5 k_7^2 k_8 k_{10} k_{12} k_{14} - 2 k_1 k_2 k_4 k_5 k_7^2 k_9 k_{12}^2 k_{13} - 2 k_1 k_2 k_4 k_5
k_7^2 k_9 k_{12}^2 k_{14} - 2 k_1 k_2 k_4 k_5 k_7^2 k_{10} k_{12}^2 k_{13} - 2 k_1 k_2 k_4 k_5 k_7^2 k_{10} k_{12}^2 k_{14} - 4 k_1 k_2 k_4 k_5 k_7
k_{8}^{2} k_{9} k_{11} k_{13} - 4 k_{1} k_{2} k_{4} k_{5} k_{7} k_{8}^{2} k_{9} k_{11} k_{14} - 4 k_{1} k_{2} k_{4} k_{5} k_{7} k_{8}^{2} k_{10} k_{11} k_{13}
 -4k_1k_2k_4k_5k_7k_8^2k_{10}k_{11}k_{14}-4k_1k_2k_4k_5k_7k_8k_0k_{11}k_{12}k_{13}
 -4k_{1}k_{2}k_{4}k_{5}k_{7}k_{8}k_{9}k_{11}k_{12}k_{14}-4k_{1}k_{2}k_{4}k_{5}k_{7}k_{8}k_{10}k_{11}k_{12}k_{13}
 -4k_1k_2k_4k_5k_7k_8k_{10}k_{11}k_{12}k_{14}-2k_1k_2k_4k_5k_8^2k_9k_{11}^2k_{13}-2k_1k_2k_4k_5k_8^2k_9k_{11}^2k_{14}
 -2k_1k_2k_4k_5k_8^2k_{10}k_{11}^2k_{13} - 2k_1k_2k_4k_5k_8^2k_{10}k_{11}^2k_{14} - 2k_1k_2k_4k_6^2k_7^2k_8k_9k_{12}
 -2 k_1 k_2 k_4 k_6^2 k_7^2 k_8 k_{10} k_{12} - 2 k_1 k_2 k_4 k_6^2 k_7^2 k_9 k_{12}^2 - 2 k_1 k_2 k_4 k_6^2 k_7^2 k_{10} k_{12}^2 - 2 k_1 k_2 k_4
k_{6}^{2} k_{7} k_{8} k_{9} k_{11} k_{12} - 2 k_{1} k_{2} k_{4} k_{6}^{2} k_{7} k_{8} k_{10} k_{11} k_{12} - 2 k_{1} k_{2} k_{4} k_{6} k_{7}^{2} k_{8}^{2} k_{9} k_{13}
 -2k_1k_2k_4k_6k_7^2k_8^2k_9k_{14}-2k_1k_2k_4k_6k_7^2k_8^2k_{10}k_{13}-2k_1k_2k_4k_6k_7^2k_8^2k_{10}k_{14}
 -4k_1k_2k_4k_6k_7^2k_8k_9k_{12}k_{13}-6k_1k_2k_4k_6k_7^2k_8k_9k_{12}k_{14}-4k_1k_2k_4k_6
k_7^2 k_8 k_{10} k_{12} k_{13} - 6 k_1 k_2 k_4 k_6 k_7^2 k_8 k_{10} k_{12} k_{14} - 2 k_1 k_2 k_4 k_6 k_7^2 k_9 k_{12}^2 k_{13} - 4 k_1 k_2 k_4 k_6
k_7^2 k_9 k_{12}^2 k_{14} - 2 k_1 k_2 k_4 k_6 k_7^2 k_{10} k_{12}^2 k_{13} - 4 k_1 k_2 k_4 k_6 k_7^2 k_{10} k_{12}^2 k_{14} - 4 k_1 k_2 k_4 k_6 k_7
k_{8}^{2} k_{9} k_{11} k_{13} - 4 k_{1} k_{2} k_{4} k_{6} k_{7} k_{8}^{2} k_{9} k_{11} k_{14} - 4 k_{1} k_{2} k_{4} k_{6} k_{7} k_{8}^{2} k_{10} k_{11} k_{13}
 -4k_{1}k_{2}k_{4}k_{6}k_{7}k_{8}^{2}k_{10}k_{11}k_{14}-4k_{1}k_{2}k_{4}k_{6}k_{7}k_{8}k_{9}k_{11}k_{12}k_{13}
-6\,k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{11}\,k_{12}\,k_{14} - 4\,k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{13}
 -6k_1k_2k_4k_6k_7k_8k_{10}k_{11}k_{12}k_{14}-2k_1k_2k_4k_6k_8^2k_9k_{11}^2k_{13}-2k_1k_2k_4k_6k_8^2k_9k_{11}^2k_{14}
 -2k_1k_2k_4k_6k_8^2k_{10}k_{11}^2k_{13} - 2k_1k_2k_4k_6k_8^2k_{10}k_{11}^2k_{14} - 2k_1k_2k_4k_7^2k_8^2k_9k_{13}k_{14}
 -2k_1k_2k_4k_7^2k_8^2k_9k_{14}^2-2k_1k_2k_4k_7^2k_8^2k_{10}k_{13}k_{14}-2k_1k_2k_4k_7^2k_8^2k_{10}k_{14}^2
 -4k_{1}k_{2}k_{4}k_{7}^{2}k_{8}k_{9}k_{12}k_{13}k_{14}-4k_{1}k_{2}k_{4}k_{7}^{2}k_{8}k_{9}k_{12}k_{14}^{2}-4k_{1}k_{2}k_{4}
k_7^2 k_8 k_{10} k_{12} k_{13} k_{14} - 4 k_1 k_2 k_4 k_7^2 k_8 k_{10} k_{12} k_{14}^2 - 2 k_1 k_2 k_4 k_7^2 k_9 k_{12}^2 k_{13} k_{14} - 2 k_1 k_2 k_4
k_7^2 k_9 k_{12}^2 k_{14}^2 - 2 k_1 k_2 k_4 k_7^2 k_{10} k_{12}^2 k_{13} k_{14} - 2 k_1 k_2 k_4 k_7^2 k_{10} k_{12}^2 k_{14}^2 - 4 k_1 k_2 k_4 k_7
k_{8}^{2} k_{9} k_{11} k_{13} k_{14} - 4 k_{1} k_{2} k_{4} k_{7} k_{8}^{2} k_{9} k_{11} k_{14}^{2} - 4 k_{1} k_{2} k_{4} k_{7} k_{8}^{2} k_{10} k_{11} k_{13} k_{14}
 -4k_1k_2k_4k_7k_8^2k_{10}k_{11}k_{14}^2-4k_1k_2k_4k_7k_8k_9k_{11}k_{12}k_{13}k_{14}
 -4k_1k_2k_4k_7k_8k_9k_{11}k_{12}k_{14}^2-4k_1k_2k_4k_7k_8k_{10}k_{11}k_{12}k_{13}k_{14}
 -4k_1k_2k_4k_7k_8k_{10}k_{11}k_{12}k_{14}^2-2k_1k_2k_4k_8^2k_9k_{11}^2k_{13}k_{14}-2k_1k_2k_4k_8^2k_9k_{11}^2k_{14}^2
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-2k_1k_2k_4k_8^2k_{10}k_{11}^2k_{13}k_{14} - 2k_1k_2k_4k_8^2k_{10}k_{11}^2k_{14}^2 - 2k_1k_3^2k_4k_5k_7k_8^2k_9k_{11} - 2k_1k_8^2k_9k_{11}^2 - 2k_1k_9k_9k_{11}^2 - 2k_1k_9k_9
k_3^2 k_4 k_5 k_8^2 k_9 k_{11}^2 - 2 k_1 k_3^2 k_4 k_5 k_8^2 k_{10} k_{11}^2 - 2 k_1 k_3^2 k_4 k_6 k_7 k_8^2 k_9 k_{11} - 2 k_1 k_3^2 k_4 k_6 k_7
k_{8}^{2} k_{10} k_{11} - 2 k_{1} k_{3}^{2} k_{4} k_{6} k_{7} k_{8} k_{9} k_{11} k_{12} - 2 k_{1} k_{3}^{2} k_{4} k_{6} k_{7} k_{8} k_{10} k_{11} k_{12} - 2 k_{1} k_{3}^{2} k_{4} k_{6}
k_{8}^{2} k_{9} k_{11}^{2} - 2 k_{1} k_{3}^{2} k_{4} k_{6} k_{8}^{2} k_{10} k_{11}^{2} - 2 k_{1} k_{3}^{2} k_{4} k_{7} k_{8}^{2} k_{9} k_{11} k_{14} - 2 k_{1} k_{3}^{2} k_{4} k_{7} k_{8}^{2} k_{10} k_{11} k_{14}
 -2k_1k_3^2k_4k_7k_8k_9k_{11}k_{12}k_{14}-2k_1k_3^2k_4k_7k_8k_{10}k_{11}k_{12}k_{14}-2k_1k_3^2k_4k_8^2k_9k_{11}^2k_{14}
 -2k_1k_3^2k_4k_8^2k_{10}k_{11}^2k_{14} - 2k_1k_3k_4k_5k_6k_7^2k_8k_9k_{12} - 2k_1k_3k_4k_5k_6k_7^2k_8k_{10}k_{12}
 -2k_1k_3k_4k_5k_6k_7^2k_9k_{12}^2 - 2k_1k_3k_4k_5k_6k_7^2k_{10}k_{12}^2 - 2k_1k_3k_4k_5k_6k_7k_8k_9k_{11}k_{12}
 -2k_1k_3k_4k_5k_6k_7k_8k_{10}k_{11}k_{12}-2k_1k_3k_4k_5k_7^2k_8^2k_9k_{13}-2k_1k_3k_4k_5k_7^2k_8^2k_9k_{14}
 -2k_1k_3k_4k_5k_7^2k_8^2k_{10}k_{13} - 2k_1k_3k_4k_5k_7^2k_8^2k_{10}k_{14} - 4k_1k_3k_4k_5k_7^2k_8k_9k_{12}k_{13}
 -4k_{1}k_{3}k_{4}k_{5}k_{7}^{2}k_{8}k_{9}k_{12}k_{14}-4k_{1}k_{3}k_{4}k_{5}k_{7}^{2}k_{8}k_{10}k_{12}k_{13}-4k_{1}k_{3}k_{4}k_{5}
k_7^2 k_8 k_{10} k_{12} k_{14} - 2 k_1 k_3 k_4 k_5 k_7^2 k_9 k_{12}^2 k_{13} - 2 k_1 k_3 k_4 k_5 k_7^2 k_9 k_{12}^2 k_{14} - 2 k_1 k_3 k_4 k_5
k_7^2 k_{10} k_{12}^2 k_{13} - 2 k_1 k_3 k_4 k_5 k_7^2 k_{10} k_{12}^2 k_{14} - 6 k_1 k_3 k_4 k_5 k_7 k_8^2 k_9 k_{11} k_{13} - 4 k_1 k_3 k_4 k_5 k_7
k_{8}^{2} k_{9} k_{11} k_{14} - 6 k_{1} k_{3} k_{4} k_{5} k_{7} k_{8}^{2} k_{10} k_{11} k_{13} - 4 k_{1} k_{3} k_{4} k_{5} k_{7} k_{8}^{2} k_{10} k_{11} k_{14}
 -6k_{1}k_{3}k_{4}k_{5}k_{7}k_{8}k_{9}k_{11}k_{12}k_{13}-4k_{1}k_{3}k_{4}k_{5}k_{7}k_{8}k_{9}k_{11}k_{12}k_{14}
 -6\,k_{1}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{13}\,-4\,k_{1}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{14}\,-4\,k_{1}\,k_{3}\,k_{4}\,k_{5}
k_{8}^{2} k_{9} k_{11}^{2} k_{13} - 2 k_{1} k_{3} k_{4} k_{5} k_{8}^{2} k_{9} k_{11}^{2} k_{14} - 4 k_{1} k_{3} k_{4} k_{5} k_{8}^{2} k_{10} k_{11}^{2} k_{13} - 2 k_{1} k_{3} k_{4} k_{5} k_{8}^{2} k_{10}
k_{11}^{2} k_{14} - 2 k_{1} k_{3} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9} k_{12} - 2 k_{1} k_{3} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{10} k_{12} - 2 k_{1} k_{3} k_{4} k_{6}^{2} k_{7}^{2} k_{9} k_{12}^{2}
 -2k_1k_3k_4k_6^2k_7^2k_{10}k_{12}^2-2k_1k_3k_4k_6^2k_7k_8k_9k_{11}k_{12}-2k_1k_3k_4k_6^2k_7k_8k_{10}k_{11}k_{12}
 -2k_1k_3k_4k_6k_7^2k_8^2k_9k_{13} - 2k_1k_3k_4k_6k_7^2k_8^2k_9k_{14} - 2k_1k_3k_4k_6k_7^2k_8^2k_{10}k_{13}
 -2k_1k_3k_4k_6k_7^2k_8^2k_{10}k_{14} - 4k_1k_3k_4k_6k_7^2k_8k_9k_{12}k_{13} - 6k_1k_3k_4k_6k_7^2k_8k_9k_{12}k_{14}
 -4k_{1}k_{3}k_{4}k_{6}k_{7}^{2}k_{8}k_{10}k_{12}k_{13} - 6k_{1}k_{3}k_{4}k_{6}k_{7}^{2}k_{8}k_{10}k_{12}k_{14} - 2k_{1}k_{3}k_{4}k_{6}k_{7}^{2}k_{9}k_{12}^{2}k_{13}
 -4k_1k_3k_4k_6k_7^2k_9k_{12}^2k_{14} - 2k_1k_3k_4k_6k_7^2k_{10}k_{12}^2k_{13} - 4k_1k_3k_4k_6k_7^2k_{10}k_{12}^2k_{14}
 -6k_1k_3k_4k_6k_7k_8^2k_9k_{11}k_{13}-4k_1k_3k_4k_6k_7k_8^2k_9k_{11}k_{14}-6k_1k_3k_4k_6k_7
k_{8}^{2} k_{10} k_{11} k_{13} - 4 k_{1} k_{3} k_{4} k_{6} k_{7} k_{8}^{2} k_{10} k_{11} k_{14} - 6 k_{1} k_{3} k_{4} k_{6} k_{7} k_{8} k_{9} k_{11} k_{12} k_{13}
 -6k_{1}k_{3}k_{4}k_{6}k_{7}k_{8}k_{9}k_{11}k_{12}k_{14}-6k_{1}k_{3}k_{4}k_{6}k_{7}k_{8}k_{10}k_{11}k_{12}k_{13}
 - \ 6 \ k_{1} \ k_{3} \ k_{4} \ k_{6} \ k_{7} \ k_{8} \ k_{10} \ k_{11} \ k_{12} \ k_{14} - 4 \ k_{1} \ k_{3} \ k_{4} \ k_{6} \ k_{8}^{2} \ k_{9} \ k_{11}^{2} \ k_{13} - 2 \ k_{1} \ k_{3} \ k_{4} \ k_{6} \ k_{8}^{2} \ k_{9} \ k_{11}^{2} \ k_{14}
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-4\,k_{1}\,k_{3}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{10}\,k_{11}^{2}\,k_{13}-2\,k_{1}\,k_{3}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{10}\,k_{11}^{2}\,k_{14}-2\,k_{1}\,k_{3}\,k_{4}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}\,k_{13}\,k_{14}
  -2k_1k_3k_4k_7^2k_8^2k_9k_{14}^2-2k_1k_3k_4k_7^2k_8^2k_{10}k_{13}k_{14}-2k_1k_3k_4k_7^2k_8^2k_{10}k_{14}^2
  -4k_1k_3k_4k_7^2k_8k_9k_{12}k_{13}k_{14}-4k_1k_3k_4k_7^2k_8k_9k_{12}k_{14}^2-4k_1k_3k_4
k_7^2 k_8 k_{10} k_{12} k_{13} k_{14} - 4 k_1 k_3 k_4 k_7^2 k_8 k_{10} k_{12} k_{14}^2 - 2 k_1 k_3 k_4 k_7^2 k_9 k_{12}^2 k_{13} k_{14} - 2 k_1 k_3 k_4
k_7^2 k_9 k_{12}^2 k_{14}^2 - 2 k_1 k_3 k_4 k_7^2 k_{10} k_{12}^2 k_{13} k_{14} - 2 k_1 k_3 k_4 k_7^2 k_{10} k_{12}^2 k_{14}^2 - 4 k_1 k_3 k_4 k_7
k_{8}^{2} k_{9} k_{11} k_{13} k_{14} - 4 k_{1} k_{3} k_{4} k_{7} k_{8}^{2} k_{9} k_{11} k_{14}^{2} - 4 k_{1} k_{3} k_{4} k_{7} k_{8}^{2} k_{10} k_{11} k_{13} k_{14}
  -4k_1k_3k_4k_7k_8^2k_{10}k_{11}k_{14}^2-4k_1k_3k_4k_7k_8k_9k_{11}k_{12}k_{13}k_{14}
  -4k_1k_3k_4k_7k_8k_9k_{11}k_{12}k_{14}^2-4k_1k_3k_4k_7k_8k_{10}k_{11}k_{12}k_{13}k_{14}
  -4\,k_{1}\,k_{3}\,k_{4}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{14}^{2}-2\,k_{1}\,k_{3}\,k_{4}\,k_{8}^{2}\,k_{9}\,k_{11}^{2}\,k_{13}\,k_{14}-2\,k_{1}\,k_{3}\,k_{4}\,k_{8}^{2}\,k_{9}\,k_{11}^{2}\,k_{14}^{2}
  -2k_1k_3k_4k_8^2k_{10}k_{11}^2k_{13}k_{14} - 2k_1k_3k_4k_8^2k_{10}k_{11}^2k_{14}^2 - 2k_1k_4k_5k_6k_7^2k_8k_9k_{12}k_{13}
  -2k_1k_4k_5k_6k_7^2k_8k_{10}k_{12}k_{13}-2k_1k_4k_5k_6k_7^2k_9k_{12}^2k_{13}-2k_1k_4k_5k_6k_7^2k_{10}k_{12}^2k_{13}
  -2\,k_{1}\,k_{4}\,k_{5}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{11}\,k_{12}\,k_{13}\,-2\,k_{1}\,k_{4}\,k_{5}\,k_{6}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{13}\,-2\,k_{1}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}
k_{13}^2 - 2 k_1 k_4 k_5 k_7^2 k_8^2 k_9 k_{13} k_{14} - 2 k_1 k_4 k_5 k_7^2 k_8^2 k_{10} k_{13}^2 - 2 k_1 k_4 k_5 k_7^2 k_8^2 k_{10} k_{13} k_{14}
  -4k_1k_4k_5k_7^2k_8k_9k_{12}k_{13}^2-4k_1k_4k_5k_7^2k_8k_9k_{12}k_{13}k_{14}-4k_1k_4k_5k_7^2k_8k_{10}k_{12}k_{13}^2
  -4k_{1}k_{4}k_{5}k_{7}^{2}k_{8}k_{10}k_{12}k_{13}k_{14}-2k_{1}k_{4}k_{5}k_{7}^{2}k_{9}k_{12}^{2}k_{13}^{2}-2k_{1}k_{4}k_{5}k_{7}^{2}k_{9}k_{12}^{2}k_{13}k_{14}
  -2k_1k_4k_5k_7^2k_{10}k_{12}^2k_{13}^2-2k_1k_4k_5k_7^2k_{10}k_{12}^2k_{13}k_{14}-4k_1k_4k_5k_7k_8^2k_9k_{11}k_{13}^2
  -4k_1k_4k_5k_7k_8^2k_9k_{11}k_{13}k_{14}-4k_1k_4k_5k_7k_8^2k_{10}k_{11}k_{13}^2-4k_1k_4k_5k_7
k_{8}^{2} k_{10} k_{11} k_{13} k_{14} - 4 k_{1} k_{4} k_{5} k_{7} k_{8} k_{9} k_{11} k_{12} k_{13}^{2} - 4 k_{1} k_{4} k_{5} k_{7} k_{8} k_{9} k_{11} k_{12} k_{13} k_{14}
  -4k_1k_4k_5k_7k_8k_{10}k_{11}k_{12}k_{13}^2-4k_1k_4k_5k_7k_8k_{10}k_{11}k_{12}k_{13}k_{14}-2k_1k_4k_5k_8^2k_9k_{11}^2
k_{13}^2 - 2 k_1 k_4 k_5 k_8^2 k_9 k_{11}^2 k_{13} k_{14} - 2 k_1 k_4 k_5 k_8^2 k_{10} k_{11}^2 k_{13}^2 - 2 k_1 k_4 k_5 k_8^2 k_{10} k_{11}^2 k_{13} k_{14}
  -2k_1k_4k_6^2k_7^2k_8k_9k_{12}k_{13} - 2k_1k_4k_6^2k_7^2k_8k_{10}k_{12}k_{13} - 2k_1k_4k_6^2k_7^2k_9k_{12}^2k_{13}
  -2k_1k_4k_6^2k_7^2k_{10}k_{12}^2k_{13} - 2k_1k_4k_6^2k_7k_8k_9k_{11}k_{12}k_{13} - 2k_1k_4k_6^2k_7k_8k_{10}k_{11}k_{12}k_{13}
  -\,2\,k_{1}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}\,k_{13}^{2}\,-\,2\,k_{1}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}\,k_{13}\,k_{14}\,-\,2\,k_{1}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}^{2}\,k_{10}\,k_{13}^{2}\,-\,2\,k_{1}\,k_{4}\,k_{6}
k_{7}^{2} \, k_{8}^{2} \, k_{10} \, k_{13} \, k_{14} - 4 \, k_{1} \, k_{4} \, k_{6} \, k_{7}^{2} \, k_{8} \, k_{9} \, k_{12} \, k_{13}^{2} - 4 \, k_{1} \, k_{4} \, k_{6} \, k_{7}^{2} \, k_{8} \, k_{9} \, k_{12} \, k_{13} \, k_{14} - 4 \, k_{1} \, k_{4} \, k_{6} \, k_{13}^{2} \, k_{14} + 4 \, k_{1} \, k_{2} \, k_{13} \, k_{14} + 4 \, k_{1} \, k_{2} \, k_{23} \, k_{24} + 4 \, k_{1} \, k_{24} \, k_
k_7^2 k_8 k_{10} k_{12} k_{13}^2 - 4 k_1 k_4 k_6 k_7^2 k_8 k_{10} k_{12} k_{13} k_{14} - 2 k_1 k_4 k_6 k_7^2 k_9 k_{12}^2 k_{13}^2 - 2 k_1 k_4 k_6
k_7^2 k_9 k_{12}^2 k_{13} k_{14} - 2 k_1 k_4 k_6 k_7^2 k_{10} k_{12}^2 k_{13}^2 - 2 k_1 k_4 k_6 k_7^2 k_{10} k_{12}^2 k_{13} k_{14} - 4 k_1 k_4 k_6 k_7
k_{8}^{2} k_{9} k_{11} k_{13}^{2} - 4 k_{1} k_{4} k_{6} k_{7} k_{8}^{2} k_{9} k_{11} k_{13} k_{14} - 4 k_{1} k_{4} k_{6} k_{7} k_{8}^{2} k_{10} k_{11} k_{13}^{2} - 4 k_{1} k_{4} k_{6} k_{7}
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 $k_{8}^{2} k_{10} k_{11} k_{13} k_{14} - 4 k_{1} k_{4} k_{6} k_{7} k_{8} k_{9} k_{11} k_{12} k_{13}^{2} - 4 k_{1} k_{4} k_{6} k_{7} k_{8} k_{9} k_{11} k_{12} k_{13} k_{14}$ $-4k_1k_4k_6k_7k_8k_{10}k_{11}k_{12}k_{13}^2-4k_1k_4k_6k_7k_8k_{10}k_{11}k_{12}k_{13}k_{14}-2k_1k_4k_6k_8^2k_9k_{11}^2$ $k_{13}^2 - 2 k_1 k_4 k_6 k_8^2 k_9 k_{11}^2 k_{13} k_{14} - 2 k_1 k_4 k_6 k_8^2 k_{10} k_{11}^2 k_{13}^2 - 2 k_1 k_4 k_6 k_8^2 k_{10} k_{11}^2 k_{13} k_{14}$ $x_4 x_5 + (-k_1 k_2 k_5^2 k_7^2 k_8^2 k_9 k_{10} - k_1 k_2 k_5^2 k_7^2 k_8^2 k_{10}^2 - 2 k_1 k_2 k_5^2 k_7^2 k_8 k_9 k_{10} k_{12} - 2 k_1 k_2 k_5^2 k_7^2 k_8 k_9 k_{10} k_{12} - 2 k_1 k_2 k_5^2 k_7^2 k_8 k_9 k_{10}^2 k_{12} - 2 k_1 k_2 k_5^2 k_7^2 k_8 k_9 k_{10}^2 k_{12} - 2 k_1 k_2 k_5^2 k_7^2 k_8^2 k_9 k_{10}^2 k_{12} - 2 k_1 k_2 k_5^2 k_7^2 k_8^2 k_9 k_{10}^2 k_{12}^2 k_8^2 k_9^2 k_9 k_{10}^2 k_8^2 k_9^2 k_9^2$ $k_{5}^{2} \, k_{7}^{2} \, k_{8} \, k_{10}^{2} \, k_{12} - k_{1} \, k_{2} \, k_{5}^{2} \, k_{7}^{2} \, k_{9} \, k_{10} \, k_{12}^{2} - k_{1} \, k_{2} \, k_{5}^{2} \, k_{7}^{2} \, k_{10}^{2} \, k_{12}^{2} - 2 \, k_{1} \, k_{2} \, k_{5}^{2} \, k_{7} \, k_{8}^{2} \, k_{9} \, k_{10} \, k_{11}^{2}$ $-2k_1k_2k_5^2k_7k_8^2k_{10}^2k_{11}-2k_1k_2k_5^2k_7k_8k_9k_{10}k_{11}k_{12}-2k_1k_2k_5^2k_7k_8k_{10}^2k_{11}k_{12}$ $-k_1 k_2 k_5^2 k_8^2 k_9 k_{10} k_{11}^2 - k_1 k_2 k_5^2 k_8^2 k_{10}^2 k_{11}^2 - 2 k_1 k_2 k_5 k_6 k_7^2 k_8^2 k_9 k_{10} - 2 k_1 k_2 k_5 k_6 k_7^2$ $k_{8}^{2} k_{10}^{2} - 4 k_{1} k_{2} k_{5} k_{6} k_{7}^{2} k_{8} k_{9} k_{10} k_{12} - 4 k_{1} k_{2} k_{5} k_{6} k_{7}^{2} k_{8} k_{10}^{2} k_{12} - 2 k_{1} k_{2} k_{5} k_{6} k_{7}^{2} k_{9} k_{10}$ $k_{12}^2 - 2 k_1 k_2 k_5 k_6 k_7^2 k_{10}^2 k_{12}^2 - 4 k_1 k_2 k_5 k_6 k_7 k_8^2 k_9 k_{10} k_{11} - 4 k_1 k_2 k_5 k_6 k_7 k_8^2 k_{10}^2 k_{11}$ $-4k_1k_2k_5k_6k_7k_8k_9k_{10}k_{11}k_{12}-4k_1k_2k_5k_6k_7k_8k_{10}^2k_{11}k_{12}-2k_1k_2k_5k_6k_8^2k_9k_{10}$ $k_{11}^2 - 2 k_1 k_2 k_5 k_6 k_8^2 k_{10}^2 k_{11}^2 - k_1 k_2 k_5 k_7^2 k_8^2 k_9 k_{10} k_{13} - 2 k_1 k_2 k_5 k_7^2 k_8^2 k_9 k_{10} k_{14}$ $-k_1 k_2 k_5 k_7^2 k_8^2 k_{10}^2 k_{13} - 2 k_1 k_2 k_5 k_7^2 k_8^2 k_{10}^2 k_{14} - 2 k_1 k_2 k_5 k_7^2 k_8 k_9 k_{10} k_{12} k_{13}$ $-4\,k_{1}\,k_{2}\,k_{5}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{14}-2\,k_{1}\,k_{2}\,k_{5}\,k_{7}^{2}\,k_{8}\,k_{10}^{2}\,k_{12}\,k_{13}-4\,k_{1}\,k_{2}\,k_{5}\,k_{7}^{2}\,k_{8}\,k_{10}^{2}\,k_{12}\,k_{14}$ $-k_1 k_2 k_5 k_7^2 k_9 k_{10} k_{12}^2 k_{13} - 2 k_1 k_2 k_5 k_7^2 k_9 k_{10} k_{12}^2 k_{14} - k_1 k_2 k_5 k_7^2 k_{10}^2 k_{13}^2$ $-2k_1k_2k_5k_7^2k_{10}^2k_{12}^2k_{14} - 2k_1k_2k_5k_7k_8^2k_9k_{10}k_{11}k_{13} - 4k_1k_2k_5k_7k_8^2k_9k_{10}k_{11}k_{14}$ $-2k_1k_2k_5k_7k_8^2k_{10}^2k_{11}k_{13} - 4k_1k_2k_5k_7k_8^2k_{10}^2k_{11}k_{14}$ $-2k_{1}k_{2}k_{5}k_{7}k_{8}k_{9}k_{10}k_{11}k_{12}k_{13}-4k_{1}k_{2}k_{5}k_{7}k_{8}k_{9}k_{10}k_{11}k_{12}k_{14}-2k_{1}k_{2}k_{5}k_{7}k_{8}$ $k_{10}^2 \ k_{11} \ k_{12} \ k_{13} - 4 \ k_1 \ k_2 \ k_5 \ k_7 \ k_8 \ k_{10}^2 \ k_{11} \ k_{12} \ k_{14} - k_1 \ k_2 \ k_5 \ k_8^2 \ k_9 \ k_{10} \ k_{11}^2 \ k_{13} - 2 \ k_1 \ k_2 \ k_5$ $k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14} - k_{1} k_{2} k_{5} k_{8}^{2} k_{10}^{2} k_{11}^{2} k_{13} - 2 k_{1} k_{2} k_{5} k_{8}^{2} k_{10}^{2} k_{11}^{2} k_{14} - k_{1} k_{2} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9} k_{10}$ $-k_1 k_2 k_6^2 k_7^2 k_8^2 k_{10}^2 - 2 k_1 k_2 k_6^2 k_7^2 k_8 k_0 k_{10} k_{12} - 2 k_1 k_2 k_6^2 k_7^2 k_8 k_{10}^2 k_{12} - k_1 k_2 k_6^2$ $k_7^2 k_9 k_{10} k_{12}^2 - k_1 k_2 k_6^2 k_7^2 k_{10}^2 k_{12}^2 - 2 k_1 k_2 k_6^2 k_7 k_8^2 k_9 k_{10} k_{11} - 2 k_1 k_2 k_6^2 k_7 k_8^2 k_{10}^2 k_{11}$ $-2k_1k_2k_6^2k_7k_8k_9k_{10}k_{11}k_{12}-2k_1k_2k_6^2k_7k_8k_{10}^2k_{11}k_{12}-k_1k_2k_6^2k_8^2k_9k_{10}k_{11}^2$ $-k_1 k_2 k_6^2 k_8^2 k_{10}^2 k_{11}^2 - k_1 k_2 k_6 k_7^2 k_8^2 k_9 k_{10} k_{13} - 2 k_1 k_2 k_6 k_7^2 k_8^2 k_9 k_{10} k_{14} - k_1 k_2 k_6 k_7^2 k_8^2$ $k_{10}^{2} k_{13} - 2 k_{1} k_{2} k_{6} k_{7}^{2} k_{8}^{2} k_{10}^{2} k_{14} - 2 k_{1} k_{2} k_{6} k_{7}^{2} k_{8} k_{9} k_{10} k_{12} k_{13} - 4 k_{1} k_{2} k_{6}$ $k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{14}-2\,k_{1}\,k_{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{10}^{2}\,k_{12}\,k_{13}-4\,k_{1}\,k_{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{10}^{2}\,k_{12}\,k_{14}-k_{1}\,k_{2}\,k_{6}\,k_{10}^{2}\,k_{12}\,k_{13}-4\,k_{1}\,k_{2}\,k_{13}^{2}\,k_{14}-2\,k_{1}\,k_{2}\,k_{14}^{$ $k_7^2 k_9 k_{10} k_{12}^2 k_{13} - 2 k_1 k_2 k_6 k_7^2 k_9 k_{10} k_{12}^2 k_{14} - k_1 k_2 k_6 k_7^2 k_{10}^2 k_{12}^2 k_{13} - 2 k_1 k_2 k_6 k_7^2 k_{10}^2$ $k_{12}^2 k_{14} - 2 k_1 k_2 k_6 k_7 k_8^2 k_9 k_{10} k_{11} k_{13} - 4 k_1 k_2 k_6 k_7 k_8^2 k_9 k_{10} k_{11} k_{14} - 2 k_1 k_2 k_6 k_7 k_8^2$

 $k_{10}^{2} k_{11} k_{13} - 4 k_{1} k_{2} k_{6} k_{7} k_{8}^{2} k_{10}^{2} k_{11} k_{14} - 2 k_{1} k_{2} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11} k_{12} k_{13}$ $-4k_1k_2k_6k_7k_8k_9k_{10}k_{11}k_{12}k_{14}-2k_1k_2k_6k_7k_8k_{10}^2k_{11}k_{12}k_{13}-4k_1k_2k_6k_7k_8$ $k_{10}^2 \, k_{11} \, k_{12} \, k_{14} - k_1 \, k_2 \, k_6 \, k_8^2 \, k_9 \, k_{10} \, k_{11}^2 \, k_{13} - 2 \, k_1 \, k_2 \, k_6 \, k_8^2 \, k_9 \, k_{10} \, k_{11}^2 \, k_{14} - k_1 \, k_2 \, k_6 \, k_8^2 \, k_{10}^2$ $k_{11}^2 k_{13} - 2 k_1 k_2 k_6 k_8^2 k_{10}^2 k_{11}^2 k_{14} - k_1 k_2 k_7^2 k_8^2 k_9 k_{10} k_{13} k_{14} - k_1 k_2 k_7^2 k_8^2 k_9 k_{10} k_{14}^2$ $-k_1 k_2 k_7^2 k_8^2 k_{10}^2 k_{13} k_{14} - k_1 k_2 k_7^2 k_8^2 k_{10}^2 k_{14}^2 - 2 k_1 k_2 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} k_{14} - 2 k_1 k_2$ $k_7^2 k_8 k_9 k_{10} k_{12} k_{14}^2 - 2 k_1 k_2 k_7^2 k_8 k_{10}^2 k_{12} k_{13} k_{14} - 2 k_1 k_2 k_7^2 k_8 k_{10}^2 k_{12} k_{14}^2 - k_1 k_2$ $k_7^2 k_9 k_{10} k_{12}^2 k_{13} k_{14} - k_1 k_2 k_7^2 k_9 k_{10} k_{12}^2 k_{14}^2 - k_1 k_2 k_7^2 k_{10}^2 k_{12}^2 k_{13} k_{14} - k_1 k_2 k_7^2 k_{10}^2 k_{12}^2 k_{14}^2$ $-2k_1k_2k_7k_8^2k_9k_{10}k_{11}k_{13}k_{14} - 2k_1k_2k_7k_8^2k_9k_{10}k_{11}k_{14}^2 - 2k_1k_2k_7k_8^2$ $k_{10}^2 \, k_{11} \, k_{13} \, k_{14} - 2 \, k_1 \, k_2 \, k_7 \, k_8^2 \, k_{10}^2 \, k_{11} \, k_{14}^2 - 2 \, k_1 \, k_2 \, k_7 \, k_8 \, k_9 \, k_{10} \, k_{11} \, k_{12} \, k_{13} \, k_{14}$ $-2k_1k_2k_7k_8k_9k_{10}k_{11}k_{12}k_{14}^2-2k_1k_2k_7k_8k_{10}^2k_{11}k_{12}k_{13}k_{14}-2k_1k_2k_7k_8$ $k_{10}^{2} k_{11} k_{12} k_{14}^{2} - k_{1} k_{2} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13} k_{14} - k_{1} k_{2} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14}^{2} - k_{1} k_{2} k_{8}^{2} k_{10}^{2}$ k_{11}^{2} k_{13} k_{14} - k_{1} k_{2} k_{8}^{2} k_{10}^{2} k_{11}^{2} k_{14}^{2} - k_{1} k_{3} k_{5}^{2} k_{7}^{2} k_{8}^{2} k_{9} k_{10} - k_{1} k_{3} k_{5}^{2} k_{7}^{2} k_{8}^{2} k_{10}^{2} - 2 k_{1} k_{3} k_{5}^{2} $k_7^2 k_8 k_9 k_{10} k_{12} - 2 k_1 k_3 k_5^2 k_7^2 k_8 k_{10}^2 k_{12} - k_1 k_3 k_5^2 k_7^2 k_9 k_{10} k_{12}^2 - k_1 k_3 k_5^2 k_7^2 k_{10}^2 k_{12}^2$ $-2k_1k_3k_5^2k_7k_8^2k_9k_{10}k_{11}-2k_1k_3k_5^2k_7k_8^2k_{10}^2k_{11}-2k_1k_3k_5^2k_7k_8k_9k_{10}k_{11}k_{12}$ $-2k_1k_3k_5^2k_7k_8k_{10}^2k_{11}k_{12}-k_1k_3k_5^2k_8^2k_9k_{10}k_{11}^2-k_1k_3k_5^2k_8^2k_{10}^2k_{11}^2-2k_1k_3k_5k_6$ $k_7^2 k_8^2 k_9 k_{10} - 2 k_1 k_3 k_5 k_6 k_7^2 k_8^2 k_{10}^2 - 4 k_1 k_3 k_5 k_6 k_7^2 k_8 k_9 k_{10} k_{12} - 4 k_1 k_3 k_5 k_6 k_7^2 k_8$ $k_{10}^{2} k_{12}^{2} - 2 k_{1} k_{3} k_{5} k_{6} k_{7}^{2} k_{9} k_{10} k_{12}^{2} - 2 k_{1} k_{3} k_{5} k_{6} k_{7}^{2} k_{10}^{2} k_{12}^{2} - 4 k_{1} k_{3} k_{5} k_{6} k_{7} k_{8}^{2} k_{9} k_{10} k_{11}$ $-4k_1k_3k_5k_6k_7k_8^2k_{10}^2k_{11}-4k_1k_3k_5k_6k_7k_8k_9k_{10}k_{11}k_{12}-4k_1k_3k_5k_6k_7k_8$ $k_{10}^{2} k_{11} k_{12} - 2 k_{1} k_{3} k_{5} k_{6} k_{8}^{2} k_{9} k_{10} k_{11}^{2} - 2 k_{1} k_{3} k_{5} k_{6} k_{8}^{2} k_{10}^{2} k_{11}^{2} - k_{1} k_{3} k_{5} k_{7}^{2} k_{8}^{2} k_{9} k_{10} k_{13}^{2}$ $-2k_1k_2k_5k_7^2k_8^2k_0k_{10}k_{14}-k_1k_2k_5k_7^2k_8^2k_{10}^2k_{13}-2k_1k_2k_5k_7^2k_8^2k_{10}^2k_{14}-2k_1k_2k_5$ $k_7^2 k_8 k_9 k_{10} k_{12} k_{13} - 4 k_1 k_3 k_5 k_7^2 k_8 k_9 k_{10} k_{12} k_{14} - 2 k_1 k_3 k_5 k_7^2 k_8 k_{10}^2 k_{12} k_{13}$ $-4k_1k_3k_5k_7^2k_8k_{10}^2k_{12}k_{14}-k_1k_3k_5k_7^2k_9k_{10}k_{12}^2k_{13}-2k_1k_3k_5k_7^2k_9k_{10}k_{12}^2k_{14}$ $-k_1 k_3 k_5 k_7^2 k_{10}^2 k_{12}^2 k_{13} - 2 k_1 k_3 k_5 k_7^2 k_{10}^2 k_{12}^2 k_{14} - 2 k_1 k_3 k_5 k_7 k_8^2 k_9 k_{10} k_{11} k_{13}$ $-4\,k_{1}\,k_{3}\,k_{5}\,k_{7}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{11}\,k_{14}-2\,k_{1}\,k_{3}\,k_{5}\,k_{7}\,k_{8}^{2}\,k_{10}^{2}\,k_{11}\,k_{13}-4\,k_{1}\,k_{3}\,k_{5}\,k_{7}\,k_{8}^{2}\,k_{10}^{2}\,k_{11}\,k_{14}$ $-2\,k_{1}\,k_{3}\,k_{5}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{13}\,-4\,k_{1}\,k_{3}\,k_{5}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{14}\,-2\,k_{1}\,k_{3}\,k_{5}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{13}\,k_{14}\,k_{15}\,k$ $k_{10}^{2} k_{11} k_{12} k_{13} - 4 k_{1} k_{3} k_{5} k_{7} k_{8} k_{10}^{2} k_{11} k_{12} k_{14} - k_{1} k_{3} k_{5} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13} - 2 k_{1} k_{3} k_{5}$ $k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14} - k_{1} k_{3} k_{5} k_{8}^{2} k_{10}^{2} k_{11}^{2} k_{13} - 2 k_{1} k_{3} k_{5} k_{8}^{2} k_{10}^{2} k_{11}^{2} k_{14} - k_{1} k_{3} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9} k_{10}$

 $-k_1 k_3 k_6^2 k_7^2 k_8^2 k_{10}^2 - 2 k_1 k_3 k_6^2 k_7^2 k_8 k_9 k_{10} k_{12} - 2 k_1 k_3 k_6^2 k_7^2 k_8 k_{10}^2 k_{12} - k_1 k_3 k_6^2$ $k_7^2 k_9 k_{10} k_{12}^2 - k_1 k_3 k_6^2 k_7^2 k_{10}^2 k_{12}^2 - 2 k_1 k_3 k_6^2 k_7 k_8^2 k_9 k_{10} k_{11} - 2 k_1 k_3 k_6^2 k_7 k_8^2 k_{10}^2 k_{11}$ $-2 k_1 k_3 k_6^2 k_7 k_8 k_9 k_{10} k_{11} k_{12} - 2 k_1 k_3 k_6^2 k_7 k_8 k_{10}^2 k_{11} k_{12} - k_1 k_3 k_6^2 k_8^2 k_9 k_{10} k_{11}^2$ $-k_1 k_3 k_6^2 k_8^2 k_{10}^2 k_{11}^2 - k_1 k_3 k_6 k_7^2 k_8^2 k_9 k_{10} k_{13} - 2 k_1 k_3 k_6 k_7^2 k_8^2 k_9 k_{10} k_{14} - k_1 k_3 k_6 k_7^2 k_8^2$ $k_{10}^{2} k_{13} - 2 k_{1} k_{3} k_{6} k_{7}^{2} k_{8}^{2} k_{10}^{2} k_{14} - 2 k_{1} k_{3} k_{6} k_{7}^{2} k_{8} k_{9} k_{10} k_{12} k_{13} - 4 k_{1} k_{3} k_{6}$ $k_7^2 k_8 k_9 k_{10} k_{12} k_{14} - 2 k_1 k_3 k_6 k_7^2 k_8 k_{10}^2 k_{12} k_{13} - 4 k_1 k_3 k_6 k_7^2 k_8 k_{10}^2 k_{12} k_{14} - k_1 k_3 k_6$ $k_7^2 k_9 k_{10} k_{12}^2 k_{13} - 2 k_1 k_3 k_6 k_7^2 k_9 k_{10} k_{12}^2 k_{14} - k_1 k_3 k_6 k_7^2 k_{10}^2 k_{12}^2 k_{13} - 2 k_1 k_3 k_6 k_7^2 k_{10}^2$ $k_{12}^2 k_{14} - 2 k_1 k_3 k_6 k_7 k_8^2 k_9 k_{10} k_{11} k_{13} - 4 k_1 k_3 k_6 k_7 k_8^2 k_9 k_{10} k_{11} k_{14} - 2 k_1 k_3 k_6 k_7 k_8^2$ $k_{10}^{2} k_{11} k_{13} - 4 k_{1} k_{3} k_{6} k_{7} k_{8}^{2} k_{10}^{2} k_{11} k_{14} - 2 k_{1} k_{3} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11} k_{12} k_{13}$ $-4k_{1}k_{3}k_{6}k_{7}k_{8}k_{9}k_{10}k_{11}k_{12}k_{14}-2k_{1}k_{3}k_{6}k_{7}k_{8}k_{10}^{2}k_{11}k_{12}k_{13}-4k_{1}k_{3}k_{6}k_{7}k_{8}$ $k_{10}^{2} k_{11} k_{12} k_{14} - k_{1} k_{3} k_{6} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13} - 2 k_{1} k_{3} k_{6} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14} - k_{1} k_{3} k_{6} k_{8}^{2} k_{10}^{2}$ $k_{11}^2 k_{13} - 2 k_1 k_3 k_6 k_8^2 k_{10}^2 k_{11}^2 k_{14} - k_1 k_3 k_7^2 k_8^2 k_9 k_{10} k_{13} k_{14} - k_1 k_3 k_7^2 k_8^2 k_9 k_{10} k_{14}^2$ $-k_1 k_3 k_7^2 k_8^2 k_{10}^2 k_{13} k_{14} - k_1 k_3 k_7^2 k_8^2 k_{10}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} k_{14} - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14} - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 - 2 k_1 k_3 k_7^2 k_8 k_9 k_{10}^2 k_{13}^2 k_{14}^2 k_{14}^2$ $k_{7}^{2} k_{8} k_{9} k_{10} k_{12} k_{14}^{2} - 2 k_{1} k_{3} k_{7}^{2} k_{8} k_{10}^{2} k_{12} k_{13} k_{14} - 2 k_{1} k_{3} k_{7}^{2} k_{8} k_{10}^{2} k_{17} k_{14}^{2} - k_{1} k_{3}$ $k_7^2 k_9 k_{10} k_{12}^2 k_{13} k_{14} - k_1 k_3 k_7^2 k_9 k_{10} k_{12}^2 k_{14}^2 - k_1 k_3 k_7^2 k_{10}^2 k_{12}^2 k_{13} k_{14} - k_1 k_3 k_7^2 k_{10}^2 k_{12}^2 k_{14}^2$ $-2k_1k_3k_7k_8^2k_9k_{10}k_{11}k_{13}k_{14}-2k_1k_3k_7k_8^2k_9k_{10}k_{11}k_{14}^2-2k_1k_3k_7k_8^2$ $k_{10}^2 k_{11} k_{13} k_{14} - 2 k_1 k_3 k_7 k_8^2 k_{10}^2 k_{11} k_{14}^2 - 2 k_1 k_3 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13} k_{14}$ $-2k_1k_3k_7k_8k_9k_{10}k_{11}k_{12}k_{14}^2-2k_1k_3k_7k_8k_{10}^2k_{11}k_{12}k_{13}k_{14}-2k_1k_3k_7k_8$ $k_{10}^{2} k_{11} k_{12} k_{14}^{2} - k_{1} k_{3} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13} k_{14} - k_{1} k_{3} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14}^{2} - k_{1} k_{3} k_{8}^{2} k_{10}^{2}$ $k_{11}^2 k_{13} k_{14} - k_1 k_3 k_8^2 k_{10}^2 k_{11}^2 k_{14}^2 - k_1 k_5^2 k_7^2 k_8^2 k_9 k_{10} k_{13} - k_1 k_5^2 k_7^2 k_8^2 k_{10}^2 k_{13} - 2 k_1 k_5^2 k_7^2 k_8^2 k_{10}^2 k_{13} - 2 k_1 k_5^2 k_7^2 k_8^2 k_{10}^2 k_{13}^2 - 2 k_1 k_5^2 k_7^2 k_8^2 k_{10}^2 k_{10}^2$ $k_7^2 k_8 k_9 k_{10} k_{12} k_{13} - 2 k_1 k_5^2 k_7^2 k_8 k_{10}^2 k_{12} k_{13} - k_1 k_5^2 k_7^2 k_9 k_{10} k_{12}^2 k_{13} - k_1 k_5^2 k_7^2 k_{10}^2 k_{13}^2 + k_{13}^2 k_{13}^$ $-2k_1k_5^2k_7k_8^2k_9k_{10}k_{11}k_{13}-2k_1k_5^2k_7k_8^2k_{10}^2k_{11}k_{13}-2k_1k_5^2k_7k_8k_9k_{10}k_{11}k_{12}k_{13}$ $-2k_1k_5^2k_7k_8k_{10}^2k_{11}k_{12}k_{13}-k_1k_5^2k_8^2k_9k_{10}k_{11}^2k_{13}-k_1k_5^2k_8^2k_{10}^2k_{11}^2k_{13}-2k_1k_5k_6$ $k_7^2 k_8^2 k_9 k_{10} k_{13} - 2 k_1 k_5 k_6 k_7^2 k_8^2 k_{10}^2 k_{13} - 4 k_1 k_5 k_6 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} - 4 k_1 k_5 k_6 k_7^2 k_8$ $k_{10}^{2} k_{12} k_{13} - 2 k_{1} k_{5} k_{6} k_{7}^{2} k_{9} k_{10} k_{12}^{2} k_{13} - 2 k_{1} k_{5} k_{6} k_{7}^{2} k_{10}^{2} k_{12}^{2} k_{13} - 4 k_{1} k_{5} k_{6} k_{7}^{2}$ $k_{8}^{2} k_{9} k_{10} k_{11} k_{13} - 4 k_{1} k_{5} k_{6} k_{7} k_{8}^{2} k_{10}^{2} k_{11} k_{13} - 4 k_{1} k_{5} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11} k_{12} k_{13}$ $-4\,k_{1}\,k_{5}\,k_{6}\,k_{7}\,k_{8}\,k_{10}^{2}\,k_{11}\,k_{12}\,k_{13}-2\,k_{1}\,k_{5}\,k_{6}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{11}^{2}\,k_{13}-2\,k_{1}\,k_{5}\,k_{6}\,k_{8}^{2}\,k_{10}^{2}\,k_{11}^{2}\,k_{13}$

 $-\,k_{1}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{13}^{2}\,-\,k_{1}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{13}\,k_{14}\,-\,k_{1}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{10}^{2}\,k_{13}^{2}\,-\,k_{1}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{10}^{2}\,k_{13}^{2}\,-\,k_{1}\,k_{5}\,k_{7}^{2}\,k_{8}^{2}\,k_{10}^{$ $k_{10}^{2} k_{13} k_{14} - 2 k_{1} k_{5} k_{7}^{2} k_{8} k_{9} k_{10} k_{12} k_{13}^{2} - 2 k_{1} k_{5} k_{7}^{2} k_{8} k_{9} k_{10} k_{12} k_{13} k_{14} - 2 k_{1} k_{5} k_{7}^{2} k_{8}$ $k_{10}^{2} k_{12}^{2} k_{13}^{2} - 2 k_{1} k_{5} k_{7}^{2} k_{8} k_{10}^{2} k_{12} k_{13} k_{14} - k_{1} k_{5} k_{7}^{2} k_{9} k_{10} k_{12}^{2} k_{13}^{2} - k_{1} k_{5} k_{7}^{2} k_{9} k_{10}$ $k_{12}^2 \, k_{13} \, k_{14} - k_1 \, k_5 \, k_7^2 \, k_{10}^2 \, k_{12}^2 \, k_{13}^2 - k_1 \, k_5 \, k_7^2 \, k_{10}^2 \, k_{12}^2 \, k_{13} \, k_{14} - 2 \, k_1 \, k_5 \, k_7 \, k_8^2 \, k_9 \, k_{10} \, k_{11} \, k_{13}^2$ $-2k_1k_5k_7k_8^2k_9k_{10}k_{11}k_{13}k_{14}-2k_1k_5k_7k_8^2k_{10}^2k_{11}k_{13}^2-2k_1k_5k_7k_8^2k_{10}^2k_{11}k_{13}k_{14}$ $-2\,k_{1}\,k_{5}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{13}^{2}\,-2\,k_{1}\,k_{5}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{13}\,k_{14}\,-2\,k_{1}\,k_{5}\,k_{7}\,k_{8}$ $k_{10}^{2} k_{11} k_{12} k_{13}^{2} - 2 k_{1} k_{5} k_{7} k_{8} k_{10}^{2} k_{11} k_{12} k_{13} k_{14} - k_{1} k_{5} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13}^{2} - k_{1} k_{5} k_{8}^{2} k_{9} k_{10}$ $k_{11}^2 k_{13} k_{14} - k_1 k_5 k_8^2 k_{10}^2 k_{11}^2 k_{13}^2 - k_1 k_5 k_8^2 k_{10}^2 k_{11}^2 k_{13} k_{14} - k_1 k_6^2 k_7^2 k_8^2 k_9 k_{10} k_{13} - k_1 k_6^2 k_9^2 k_9^2 k_{10} k_{13} - k_1 k_6^2 k_9^2 k_9^2 k_{10}^2 k_{13}^2 - k_1 k_6^2 k_9^2 k_$ $k_7^2 k_8^2 k_{10}^2 k_{13} - 2 k_1 k_6^2 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} - 2 k_1 k_6^2 k_7^2 k_8 k_{10}^2 k_{12} k_{13} - k_1 k_6^2 k_7^2 k_9 k_{10}$ $k_{12}^2 k_{13} - k_1 k_6^2 k_7^2 k_{10}^2 k_{12}^2 k_{13} - 2 k_1 k_6^2 k_7 k_8^2 k_9 k_{10} k_{11} k_{13} - 2 k_1 k_6^2 k_7 k_8^2 k_{10}^2 k_{11} k_{13}$ $-2k_1k_6^2k_7k_8k_9k_{10}k_{11}k_{12}k_{13}-2k_1k_6^2k_7k_8k_{10}^2k_{11}k_{12}k_{13}-k_1k_6^2k_8^2k_9k_{10}k_{11}^2k_{13}$ $-k_1 k_6^2 k_8^2 k_{10}^2 k_{11}^2 k_{13} - k_1 k_6 k_7^2 k_8^2 k_9 k_{10} k_{13}^2 - k_1 k_6 k_7^2 k_8^2 k_9 k_{10} k_{13} k_{14} - k_1 k_6 k_7^2 k_8^2 k_{10}^2$ $k_{13}^2 - k_1 k_6 k_7^2 k_8^2 k_{10}^2 k_{13} k_{14} - 2 k_1 k_6 k_7^2 k_8 k_9 k_{10} k_{12} k_{13}^2 - 2 k_1 k_6 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} k_{14}$ $-2k_1k_6k_7^2k_8k_{10}^2k_{12}k_{13}^2-2k_1k_6k_7^2k_8k_{10}^2k_{12}k_{13}k_{14}-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_{12}^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_7^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_7^2k_{13}^2-k_1k_6k_7^2k_9k_{10}k_7^2k_9k$ $k_{7}^{2}\,k_{9}\,k_{10}\,k_{12}^{2}\,k_{13}\,k_{14}-k_{1}\,k_{6}\,k_{7}^{2}\,k_{10}^{2}\,k_{12}^{2}\,k_{13}^{2}-k_{1}\,k_{6}\,k_{7}^{2}\,k_{10}^{2}\,k_{12}^{2}\,k_{13}\,k_{14}-2\,k_{1}\,k_{6}\,k_{7}$ $k_{8}^{2} k_{9} k_{10} k_{11} k_{13}^{2} - 2 k_{1} k_{6} k_{7} k_{8}^{2} k_{9} k_{10} k_{11} k_{13} k_{14} - 2 k_{1} k_{6} k_{7} k_{8}^{2} k_{10}^{2} k_{11} k_{13}^{2} - 2 k_{1} k_{6} k_{7} k_{8}^{2}$ $k_{10}^2 k_{11} k_{13} k_{14} - 2 k_1 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13}^2 - 2 k_1 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13} k_{14}$ $-2k_1k_6k_7k_8k_{10}^2k_{11}k_{12}k_{13}^2-2k_1k_6k_7k_8k_{10}^2k_{11}k_{12}k_{13}k_{14}-k_1k_6k_8^2k_9k_{10}k_{11}^2k_{13}^2$ $-k_1 k_6 k_8^2 k_9 k_{10} k_{11}^2 k_{13} k_{14} - k_1 k_6 k_8^2 k_{10}^2 k_{11}^2 k_{13}^2 - k_1 k_6 k_8^2 k_{10}^2 k_{11}^2 k_{13} k_{14} - k_2^2 k_4 k_5 k_7^2$ $k_{8}^{2} k_{9}^{2} - k_{2}^{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9} k_{10} - 2 k_{2}^{2} k_{4} k_{5} k_{7}^{2} k_{8} k_{9}^{2} k_{12} - 2 k_{2}^{2} k_{4} k_{5} k_{7}^{2} k_{8} k_{9} k_{10} k_{12} - k_{2}^{2} k_{4} k_{5}$ $k_7^2 k_9^2 k_{12}^2 - k_2^2 k_4 k_5 k_7^2 k_9 k_{10} k_{12}^2 - 2 k_2^2 k_4 k_5 k_7 k_8^2 k_9^2 k_{11} - 2 k_2^2 k_4 k_5 k_7 k_8^2 k_9 k_{10} k_{11} - 2$ $k_{2}^{2} k_{4} k_{5} k_{7} k_{8} k_{9}^{2} k_{11} k_{12} - 2 k_{2}^{2} k_{4} k_{5} k_{7} k_{8} k_{9} k_{10} k_{11} k_{12} - k_{2}^{2} k_{4} k_{5} k_{8}^{2} k_{9}^{2} k_{11}^{2} - k_{2}^{2} k_{4} k_{5}$ $k_{8}^{2} k_{9} k_{10} k_{11}^{2} - k_{2}^{2} k_{4} k_{6} k_{7}^{2} k_{8}^{2} k_{9}^{2} - k_{2}^{2} k_{4} k_{6} k_{7}^{2} k_{8}^{2} k_{9} k_{10} - 2 k_{2}^{2} k_{4} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{12} - 2 k_{2}^{2} k_{4} k_{6}$ $k_7^2 k_8 k_9 k_{10} k_{12} - k_2^2 k_4 k_6 k_7^2 k_9^2 k_{12}^2 - k_2^2 k_4 k_6 k_7^2 k_9 k_{10} k_{12}^2 - 2 k_2^2 k_4 k_6 k_7 k_8^2 k_9^2 k_{11} - 2$ $k_2^2 k_4 k_6 k_7 k_8^2 k_9 k_{10} k_{11} - 2 k_2^2 k_4 k_6 k_7 k_8 k_9^2 k_{11} k_{12} - 2 k_2^2 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{12}$ $k_2^2 k_4 k_6 k_8^2 k_9^2 k_{11}^2 - k_2^2 k_4 k_6 k_8^2 k_9 k_{10} k_{11}^2 - k_2^2 k_4 k_7^2 k_8^2 k_9^2 k_{14} - k_2^2 k_4 k_7^2 k_8^2 k_9 k_{10} k_{14} - 2$ $k_{2}^{2} k_{4} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{14} - 2 k_{2}^{2} k_{4} k_{7}^{2} k_{8} k_{9} k_{10} k_{12} k_{14} - k_{2}^{2} k_{4} k_{7}^{2} k_{9}^{2} k_{12}^{2} k_{14} - k_{2}^{2} k_{4} k_{7}^{2} k_{9} k_{10}$

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k_{12}^2 \, k_{14} - 2 \, k_2^2 \, k_4 \, k_7 \, k_8^2 \, k_9^2 \, k_{11} \, k_{14} - 2 \, k_2^2 \, k_4 \, k_7 \, k_8^2 \, k_9 \, k_{10} \, k_{11} \, k_{14} - 2 \, k_2^2 \, k_4 \, k_7 \, k_8 \, k_9^2 \, k_{11} \, k_{12} \, k_{14}
 -2k_2^2k_4k_7k_8k_9k_{10}k_{11}k_{12}k_{14}-k_2^2k_4k_8^2k_9^2k_{11}^2k_{14}-k_2^2k_4k_8^2k_9k_{10}k_{11}^2k_{14}
 -2k_{2}k_{3}k_{4}k_{5}k_{7}^{2}k_{8}^{2}k_{9}^{2}-2k_{2}k_{3}k_{4}k_{5}k_{7}^{2}k_{8}^{2}k_{9}k_{10}-4k_{2}k_{3}k_{4}k_{5}k_{7}^{2}k_{8}k_{9}^{2}k_{12}
 -4k_2k_3k_4k_5k_7^2k_8k_9k_{10}k_{12}-2k_2k_3k_4k_5k_7^2k_9^2k_{12}^2-2k_2k_3k_4k_5k_7^2k_9k_{10}k_{12}^2
 -4 k_{2} k_{3} k_{4} k_{5} k_{7} k_{8}^{2} k_{9}^{2} k_{11} - 4 k_{2} k_{3} k_{4} k_{5} k_{7} k_{8}^{2} k_{9} k_{10} k_{11} - 4 k_{2} k_{3} k_{4} k_{5} k_{7} k_{8} k_{9}^{2} k_{11} k_{12}
 -4 k_2 k_3 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{12} - 2 k_2 k_3 k_4 k_5 k_8^2 k_9^2 k_{11}^2 - 2 k_5 k_3 k_4 k_5 k_8^2 k_9 k_{10} k_{11}^2
 -2 k_2 k_3 k_4 k_6 k_7^2 k_8^2 k_9^2 - 2 k_2 k_3 k_4 k_6 k_7^2 k_8^2 k_9 k_{10} - 4 k_2 k_3 k_4 k_6 k_7^2 k_8 k_9^2 k_{10}
 -4 k_2 k_3 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{12} - 2 k_2 k_3 k_4 k_6 k_7^2 k_9^2 k_{12}^2 - 2 k_2 k_3 k_4 k_6 k_7^2 k_9 k_{10} k_{12}^2
 -4 k_2 k_3 k_4 k_6 k_7 k_8^2 k_9^2 k_{11} - 4 k_2 k_3 k_4 k_6 k_7 k_8^2 k_9 k_{10} k_{11} - 4 k_2 k_3 k_4 k_6 k_7 k_8 k_9^2 k_{11} k_{12}
 -4k_2k_3k_4k_6k_7k_8k_9k_{10}k_{11}k_{12}-2k_2k_3k_4k_6k_8^2k_9^2k_{11}^2-2k_2k_3k_4k_6k_8^2k_9k_{10}k_{11}^2
 -2k_{2}k_{3}k_{4}k_{7}^{2}k_{8}^{2}k_{9}^{2}k_{14} - 2k_{2}k_{3}k_{4}k_{7}^{2}k_{8}^{2}k_{9}k_{10}k_{14} - 4k_{2}k_{3}k_{4}k_{7}^{2}k_{8}k_{9}^{2}k_{12}k_{14}
 -4 k_2 k_3 k_4 k_7^2 k_8 k_9 k_{10} k_{12} k_{14} - 2 k_2 k_3 k_4 k_7^2 k_9^2 k_{12}^2 k_{14} - 2 k_2 k_3 k_4 k_7^2 k_9 k_{10} k_{12}^2 k_{14}
 -4k_{2}k_{3}k_{4}k_{7}k_{8}^{2}k_{9}^{2}k_{11}k_{14}-4k_{2}k_{3}k_{4}k_{7}k_{8}^{2}k_{9}k_{10}k_{11}k_{14}-4k_{2}k_{3}k_{4}k_{7}k_{8}k_{9}^{2}k_{11}k_{12}k_{14}
 -4k_2k_3k_4k_7k_8k_9k_{10}k_{11}k_{12}k_{14}-2k_2k_3k_4k_8^2k_9^2k_{11}^2k_{14}-2k_2k_3k_4k_8^2k_9k_{10}k_{11}^2k_{14}
 -2 k_2 k_4 k_5 k_7^2 k_8^2 k_9^2 k_{13} - k_2 k_4 k_5 k_7^2 k_8^2 k_9^2 k_{14} - 2 k_2 k_4 k_5 k_7^2 k_8^2 k_9 k_{10} k_{13} - k_2 k_4 k_5 k_7^2
k_{8}^{2} k_{9} k_{10} k_{14} - 4 k_{2} k_{4} k_{5} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{13} - 2 k_{2} k_{4} k_{5} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{14} - 4 k_{2} k_{4} k_{5}
k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{13} - 2\,k_{2}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{14} - 2\,k_{2}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{9}^{2}\,k_{12}^{2}\,k_{13} - k_{2}\,k_{4}\,k_{5}\,k_{7}^{2}
k_9^2 k_{12}^2 k_{14} - 2 k_2 k_4 k_5 k_7^2 k_9 k_{10} k_{12}^2 k_{13} - k_2 k_4 k_5 k_7^2 k_9 k_{10} k_{12}^2 k_{14} - 4 k_2 k_4 k_5 k_7 k_8^2
k_{9}^{2} k_{11} k_{13} - 2 k_{2} k_{4} k_{5} k_{7} k_{8}^{2} k_{9}^{2} k_{11} k_{14} - 4 k_{2} k_{4} k_{5} k_{7} k_{8}^{2} k_{9} k_{10} k_{11} k_{13} - 2 k_{2} k_{4} k_{5} k_{7}
k_{8}^{2} k_{9} k_{10} k_{11} k_{14} - 4 k_{2} k_{4} k_{5} k_{7} k_{8} k_{9}^{2} k_{11} k_{12} k_{13} - 2 k_{2} k_{4} k_{5} k_{7} k_{8} k_{9}^{2} k_{11} k_{12} k_{14}
 -4k_2k_4k_5k_7k_8k_9k_{10}k_{11}k_{12}k_{13}-2k_2k_4k_5k_7k_8k_9k_{10}k_{11}k_{12}k_{14}-2k_2k_4k_5k_8^2k_9^2
k_{11}^2 k_{13} - k_2 k_4 k_5 k_8^2 k_9^2 k_{11}^2 k_{14} - 2 k_2 k_4 k_5 k_8^2 k_9 k_{10} k_{11}^2 k_{13} - k_2 k_4 k_5 k_8^2 k_9 k_{10} k_{11}^2 k_{14}
 -2\,k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}^{2}\,k_{13}-k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}^{2}\,k_{14}-2\,k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{13}-k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}
k_{8}^{2} k_{9} k_{10} k_{14} - 4 k_{2} k_{4} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{13} - 2 k_{2} k_{4} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{14} - 4 k_{2} k_{4} k_{6}
k_7^2 k_8 k_9 k_{10} k_{12} k_{13} - 2 k_2 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{12} k_{14} - 2 k_2 k_4 k_6 k_7^2 k_9^2 k_{12}^2 k_{13} - k_2 k_4 k_6 k_7^2
k_9^2 \, k_{12}^2 \, k_{14} - 2 \, k_2 \, k_4 \, k_6 \, k_7^2 \, k_9 \, k_{10} \, k_{12}^2 \, k_{13} - k_2 \, k_4 \, k_6 \, k_7^2 \, k_9 \, k_{10} \, k_{12}^2 \, k_{14} - 4 \, k_2 \, k_4 \, k_6 \, k_7 \, k_8^2
k_9^2 k_{11} k_{13} - 2 k_2 k_4 k_6 k_7 k_8^2 k_9^2 k_{11} k_{14} - 4 k_2 k_4 k_6 k_7 k_8^2 k_9 k_{10} k_{11} k_{13} - 2 k_2 k_4 k_6 k_7
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 $k_{8}^{2} k_{9} k_{10} k_{11} k_{14} - 4 k_{2} k_{4} k_{6} k_{7} k_{8} k_{9}^{2} k_{11} k_{12} k_{13} - 2 k_{2} k_{4} k_{6} k_{7} k_{8} k_{9}^{2} k_{11} k_{12} k_{14}$ $-4k_2k_4k_6k_7k_8k_9k_{10}k_{11}k_{12}k_{13}-2k_2k_4k_6k_7k_8k_9k_{10}k_{11}k_{12}k_{14}-2k_2k_4k_6k_8^2k_9^2$ k_{11}^{2} k_{13} - k_{2} k_{4} k_{6} k_{8}^{2} k_{9}^{2} k_{11}^{2} k_{14} - 2 k_{2} k_{4} k_{6} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13} - k_{2} k_{4} k_{6} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14} $-k_{2}k_{4}k_{7}^{2}k_{8}^{2}k_{9}^{2}k_{13}k_{14}-k_{2}k_{4}k_{7}^{2}k_{8}^{2}k_{9}^{2}k_{14}^{2}-k_{2}k_{4}k_{7}^{2}k_{8}^{2}k_{9}k_{10}k_{13}k_{14}-k_{2}k_{4}k_{7}^{2}k_{8}^{2}k_{9}k_{10}$ $k_{14}^2 - 2 k_2 k_4 k_7^2 k_8 k_9^2 k_{12} k_{13} k_{14} - 2 k_2 k_4 k_7^2 k_8 k_9^2 k_{12} k_{14}^2 - 2 k_2 k_4 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} k_{14}$ $-2 k_2 k_4 k_7^2 k_8 k_9 k_{10} k_{12} k_{14}^2 - k_2 k_4 k_7^2 k_9^2 k_{12}^2 k_{13} k_{14} - k_2 k_4 k_7^2 k_9^2 k_{12}^2 k_{14}^2 - k_2 k_4$ $k_7^2 k_9 k_{10} k_{12}^2 k_{13} k_{14} - k_2 k_4 k_7^2 k_9 k_{10} k_{12}^2 k_{14}^2 - 2 k_2 k_4 k_7 k_8^2 k_9^2 k_{11} k_{13} k_{14} - 2 k_2 k_4 k_7 k_8^2$ $k_9^2 k_{11} k_{14}^2 - 2 k_2 k_4 k_7 k_8^2 k_9 k_{10} k_{11} k_{13} k_{14} - 2 k_2 k_4 k_7 k_8^2 k_9 k_{10} k_{11} k_{14}^2 - 2 k_2 k_4 k_7 k_8$ $k_9^2 k_{11} k_{12} k_{13} k_{14} - 2 k_2 k_4 k_7 k_8 k_9^2 k_{11} k_{12} k_{14}^2 - 2 k_2 k_4 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13} k_{14}$ $-2k_{2}k_{4}k_{7}k_{8}k_{9}k_{10}k_{11}k_{12}k_{14}^{2}-k_{2}k_{4}k_{8}^{2}k_{9}^{2}k_{11}^{2}k_{13}k_{14}-k_{2}k_{4}k_{8}^{2}k_{9}^{2}k_{11}^{2}k_{14}^{2}-k_{2}k_{4}$ $k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13} k_{14} - k_{2} k_{4} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14}^{2} - k_{3}^{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9}^{2} - k_{3}^{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9} k_{10} - 2$ $k_3^2 k_4 k_5 k_7^2 k_8 k_9^2 k_{12} - 2 k_3^2 k_4 k_5 k_7^2 k_8 k_9 k_{10} k_{12} - k_3^2 k_4 k_5 k_7^2 k_9^2 k_{12}^2 - k_3^2 k_4 k_5 k_7^2 k_9 k_{10} k_{12}^2$ $-2\,k_{3}^{2}\,k_{4}\,k_{5}\,k_{7}\,k_{8}^{2}\,k_{9}^{2}\,k_{11}\,-2\,k_{3}^{2}\,k_{4}\,k_{5}\,k_{7}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{11}\,-2\,k_{3}^{2}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{9}^{2}\,k_{11}\,k_{12}\,-2\,k_{10}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{11}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_{12}^{2}\,k_$ $k_3^2 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{12} - k_3^2 k_4 k_5 k_8^2 k_9^2 k_{11}^2 - k_3^2 k_4 k_5 k_8^2 k_9 k_{10} k_{11}^2 - k_3^2 k_4 k_6 k_7^2 k_8^2 k_9^2$ $-k_3^2 k_4 k_6 k_7^2 k_8^2 k_9 k_{10} - 2 k_3^2 k_4 k_6 k_7^2 k_8 k_9^2 k_{12} - 2 k_3^2 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{12} - k_3^2 k_4 k_6 k_7^2 k_9^2$ $k_{12}^2 - k_3^2 k_4 k_6 k_7^2 k_9 k_{10} k_{12}^2 - 2 k_3^2 k_4 k_6 k_7 k_8^2 k_9^2 k_{11} - 2 k_3^2 k_4 k_6 k_7 k_8^2 k_9 k_{10} k_{11} - 2$ $k_3^2 k_4 k_6 k_7 k_8 k_9^2 k_{11} k_{12} - 2 k_3^2 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{12} - k_3^2 k_4 k_6 k_8^2 k_9^2 k_{11}^2 - k_3^2 k_4 k_6$ $k_{8}^{2} k_{9} k_{10} k_{11}^{2} - k_{3}^{2} k_{4} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{14} - k_{3}^{2} k_{4} k_{7}^{2} k_{8}^{2} k_{9} k_{10} k_{14} - 2 k_{3}^{2} k_{4} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{14} - 2 k_{3}^{2} k_{4}$ $k_7^2 k_8 k_9 k_{10} k_{12} k_{14} - k_3^2 k_4 k_7^2 k_9^2 k_{12}^2 k_{14} - k_3^2 k_4 k_7^2 k_9 k_{10} k_{12}^2 k_{14} - 2 k_3^2 k_4 k_7 k_8^2 k_9^2 k_{11} k_{14}$ $-2\,k_{3}^{2}\,k_{4}\,k_{7}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{11}\,k_{14}-2\,k_{3}^{2}\,k_{4}\,k_{7}\,k_{8}\,k_{9}^{2}\,k_{11}\,k_{12}\,k_{14}-2\,k_{3}^{2}\,k_{4}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{14}$ $-k_3^2 k_4 k_8^2 k_9^2 k_{11}^2 k_{14} - k_3^2 k_4 k_8^2 k_9 k_{10} k_{11}^2 k_{14} - 2 k_3 k_4 k_5 k_7^2 k_8^2 k_9^2 k_{13} - k_3 k_4 k_5 k_7^2 k_8^2$ $k_{9}^{2} k_{14} - 2 k_{3} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9} k_{10} k_{13} - k_{3} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9} k_{10} k_{14} - 4 k_{3} k_{4} k_{5} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{13}$ $-2\,k_{3}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{8}\,k_{9}^{2}\,k_{12}\,k_{14}\,-4\,k_{3}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{13}\,-2\,k_{3}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{14}$ $-2\,k_{3}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{9}^{2}\,k_{13}^{2},\,k_{13}-k_{3}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{9}^{2}\,k_{12}^{2}\,k_{14}-2\,k_{3}\,k_{4}\,k_{5}\,k_{7}^{2}\,k_{9}\,k_{10}\,k_{12}^{2}\,k_{13}-k_{3}\,k_{4}\,k_{5}$ $k_7^2 k_9 k_{10} k_{12}^2 k_{14} - 4 k_3 k_4 k_5 k_7 k_8^2 k_9^2 k_{11} k_{13} - 2 k_3 k_4 k_5 k_7 k_8^2 k_9^2 k_{11} k_{14} - 4 k_3 k_4 k_5 k_7$ $k_{8}^{2} k_{9} k_{10} k_{11} k_{13} - 2 k_{3} k_{4} k_{5} k_{7} k_{8}^{2} k_{9} k_{10} k_{11} k_{14} - 4 k_{3} k_{4} k_{5} k_{7} k_{8} k_{9}^{2} k_{11} k_{12} k_{13}$ $-2 k_3 k_4 k_5 k_7 k_8 k_9^2 k_{11} k_{12} k_{14} - 4 k_3 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13}$

 $-2\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{14}-2\,k_{3}\,k_{4}\,k_{5}\,k_{8}^{2}\,k_{9}^{2}\,k_{11}^{2}\,k_{13}-k_{3}\,k_{4}\,k_{5}\,k_{8}^{2}\,k_{9}^{2}\,k_{11}^{2}\,k_{14}$ $-2k_3k_4k_5k_8^2k_9k_{10}k_{11}^2k_{13}-k_3k_4k_5k_8^2k_9k_{10}k_{11}^2k_{14}-2k_3k_4k_6k_7^2k_8^2k_9^2k_{13}$ $-k_3 k_4 k_6 k_7^2 k_8^2 k_9^2 k_{14} - 2 k_3 k_4 k_6 k_7^2 k_8^2 k_9 k_{10} k_{13} - k_3 k_4 k_6 k_7^2 k_8^2 k_9 k_{10} k_{14} - 4 k_3 k_4 k_6$ $k_7^2 k_8 k_9^2 k_{12} k_{13} - 2 k_3 k_4 k_6 k_7^2 k_8 k_9^2 k_{12} k_{14} - 4 k_3 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} - 2 k_3 k_4 k_6$ $k_7^2 k_8 k_9 k_{10} k_{12} k_{14} - 2 k_3 k_4 k_6 k_7^2 k_9^2 k_{12}^2 k_{13} - k_3 k_4 k_6 k_7^2 k_9^2 k_{12}^2 k_{14} - 2 k_3 k_4 k_6 k_7^2 k_9 k_{10}$ $k_{12}^2 k_{13} - k_3 k_4 k_6 k_7^2 k_9 k_{10} k_{12}^2 k_{14} - 4 k_3 k_4 k_6 k_7 k_8^2 k_9^2 k_{11} k_{13} - 2 k_3 k_4 k_6 k_7 k_8^2 k_9^2 k_{11} k_{14}$ $-4k_3k_4k_6k_7k_8^2k_9k_{10}k_{11}k_{13}-2k_3k_4k_6k_7k_8^2k_9k_{10}k_{11}k_{14}-4k_3k_4k_6k_7k_8$ $k_9^2 k_{11} k_{12} k_{13} - 2 k_3 k_4 k_6 k_7 k_8 k_9^2 k_{11} k_{12} k_{14} - 4 k_3 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13}$ $-2k_3k_4k_6k_7k_8k_9k_{10}k_{11}k_{12}k_{14}-2k_3k_4k_6k_8^2k_9^2k_{11}^2k_{13}-k_3k_4k_6k_8^2k_9^2k_{11}^2k_{14}$ $-2k_3k_4k_6k_8^2k_9k_{10}k_{11}^2k_{13}-k_3k_4k_6k_8^2k_9k_{10}k_{11}^2k_{14}-k_3k_4k_7^2k_8^2k_9^2k_{13}k_{14}-k_3k_4k_7^2$ $k_{8}^{2} k_{9}^{2} k_{14}^{2} - k_{3} k_{4} k_{7}^{2} k_{8}^{2} k_{9} k_{10} k_{13} k_{14} - k_{3} k_{4} k_{7}^{2} k_{8}^{2} k_{9} k_{10} k_{14}^{2} - 2 k_{3} k_{4} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{13} k_{14}$ $-2\,k_{3}\,k_{4}\,k_{7}^{2}\,k_{8}\,k_{9}^{2}\,k_{12}\,k_{14}^{2} - 2\,k_{3}\,k_{4}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{13}\,k_{14} - 2\,k_{3}\,k_{4}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{12}\,k_{14}^{2}$ $-k_3 k_4 k_7^2 k_9^2 k_{12}^2 k_{13} k_{14} - k_3 k_4 k_7^2 k_9^2 k_{12}^2 k_{14}^2 - k_3 k_4 k_7^2 k_9 k_{10} k_{12}^2 k_{13} k_{14} - k_3 k_4 k_7^2 k_9 k_{10}$ k_{12}^{2} k_{14}^{2} - 2 k_{3} k_{4} k_{7} k_{8}^{2} k_{9}^{2} k_{11} k_{13} k_{14} - 2 k_{3} k_{4} k_{7} k_{8}^{2} k_{9}^{2} k_{11} k_{14}^{2} - 2 k_{3} k_{4} k_{7} $k_{8}^{2} k_{9} k_{10} k_{11} k_{13} k_{14} - 2 k_{3} k_{4} k_{7} k_{8}^{2} k_{9} k_{10} k_{11} k_{14}^{2} - 2 k_{3} k_{4} k_{7} k_{8} k_{9}^{2} k_{11} k_{12} k_{13} k_{14}$ $-2k_3k_4k_7k_8k_9^2k_{11}k_{12}k_{14}^2-2k_3k_4k_7k_8k_9k_{10}k_{11}k_{12}k_{13}k_{14}$ $-2 k_3 k_4 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{14}^2 - k_3 k_4 k_8^2 k_9^2 k_{11}^2 k_{13} k_{14} - k_3 k_4 k_8^2 k_9^2 k_{11}^2 k_{14}^2 - k_3 k_4$ $k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{13} k_{14} - k_{3} k_{4} k_{8}^{2} k_{9} k_{10} k_{11}^{2} k_{14}^{2} - k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{13}^{2} - k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{13} k_{14}$ $-k_4 k_5 k_7^2 k_8^2 k_9 k_{10} k_{13}^2 - k_4 k_5 k_7^2 k_8^2 k_9 k_{10} k_{13} k_{14} - 2 k_4 k_5 k_7^2 k_8 k_9^2 k_{12} k_{13}^2 - 2 k_4 k_5$ $k_7^2 k_8 k_9^2 k_{12} k_{13} k_{14} - 2 k_4 k_5 k_7^2 k_8 k_9 k_{10} k_{12} k_{13}^2 - 2 k_4 k_5 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} k_{14} - k_4 k_5 k_7^2$ $k_{9}^{2} k_{12}^{2} k_{13}^{2} - k_{4} k_{5} k_{7}^{2} k_{9}^{2} k_{12}^{2} k_{13} k_{14} - k_{4} k_{5} k_{7}^{2} k_{9} k_{10} k_{12}^{2} k_{13}^{2} - k_{4} k_{5} k_{7}^{2} k_{9} k_{10} k_{12}^{2} k_{13} k_{14}$ $-2 k_4 k_5 k_7 k_8^2 k_9^2 k_{11} k_{13}^2 - 2 k_4 k_5 k_7 k_8^2 k_9^2 k_{11} k_{13} k_{14} - 2 k_4 k_5 k_7 k_8^2 k_9 k_{10} k_{11} k_{13}^2$ $-2 k_4 k_5 k_7 k_8^2 k_9 k_{10} k_{11} k_{13} k_{14} - 2 k_4 k_5 k_7 k_8 k_9^2 k_{11} k_{12} k_{13}^2 - 2 k_4 k_5 k_7 k_8$ $k_9^2 k_{11} k_{12} k_{13} k_{14} - 2 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13}^2 - 2 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13} k_{14}$ $-k_{4}k_{5}k_{8}^{2}k_{9}^{2}k_{11}^{2}k_{13}^{2}-k_{4}k_{5}k_{8}^{2}k_{9}^{2}k_{11}^{2}k_{13}k_{14}-k_{4}k_{5}k_{8}^{2}k_{9}k_{10}k_{11}^{2}k_{13}^{2}-k_{4}k_{5}k_{8}^{2}k_{9}k_{10}$ $k_{11}^2 k_{13} k_{14} - k_4 k_6 k_7^2 k_8^2 k_9^2 k_{13}^2 - k_4 k_6 k_7^2 k_8^2 k_9^2 k_{13} k_{14} - k_4 k_6 k_7^2 k_8^2 k_9 k_{10} k_{13}^2 - k_4 k_6 k_7^2 k_8^2 k_9^2 k_{10} k_{13}^2 - k_4 k_6 k_7^2 k_8^2 k_9^2 k_{10}^2 k$ $k_{8}^{2} k_{9} k_{10} k_{13} k_{14} - 2 k_{4} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{13}^{2} - 2 k_{4} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{12} k_{13} k_{14} - 2 k_{4} k_{6}$

 $k_7^2 k_8 k_9 k_{10} k_{12} k_{13}^2 - 2 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{12} k_{13} k_{14} - k_4 k_6 k_7^2 k_9^2 k_{12}^2 k_{13}^2 - k_4 k_6 k_7^2 k_9^2$ $k_{12}^{2} k_{13} k_{14} - k_{4} k_{6} k_{7}^{2} k_{9} k_{10} k_{12}^{2} k_{13}^{2} - k_{4} k_{6} k_{7}^{2} k_{9} k_{10} k_{12}^{2} k_{13} k_{14} - 2 k_{4} k_{6} k_{7} k_{8}^{2} k_{9}^{2} k_{11} k_{13}^{2}$ $-2\,k_{4}\,k_{6}\,k_{7}\,k_{8}^{2}\,k_{9}^{2}\,k_{11}\,k_{13}\,k_{14}-2\,k_{4}\,k_{6}\,k_{7}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{11}\,k_{13}^{2}-2\,k_{4}\,k_{6}\,k_{7}\,k_{8}^{2}\,k_{9}\,k_{10}\,k_{11}\,k_{13}\,k_{14}$ $-2k_4k_6k_7k_8k_9^2k_{11}k_{12}k_{13}^2-2k_4k_6k_7k_8k_9^2k_{11}k_{12}k_{13}k_{14}-2k_4k_6k_7k_8k_9k_{10}k_{11}k_{12}$ $k_{13}^2 - 2 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{12} k_{13} k_{14} - k_4 k_6 k_8^2 k_9^2 k_{11}^2 k_{13}^2 - k_4 k_6 k_8^2 k_9^2 k_{11}^2 k_{13} k_{14}$ $-k_4 k_6 k_8^2 k_9 k_{10} k_{11}^2 k_{13}^2 - k_4 k_6 k_8^2 k_9 k_{10} k_{11}^2 k_{13} k_{14} \right) x_4 + \left(-k_1^2 k_3^2 k_4^2 k_6^2 k_{11}^2 - k_1^2 k_3^2 k_4^2 k_6^2 k_1^2 k_1^$ $k_{6}^{2} k_{11} k_{12} - k_{1}^{2} k_{3}^{2} k_{4}^{2} k_{6} k_{8} k_{11}^{2} - k_{1}^{2} k_{3}^{2} k_{4}^{2} k_{6} k_{8} k_{11} k_{14} - 2 k_{1}^{2} k_{3}^{2} k_{4}^{2} k_{6} k_{11}^{2} k_{14} - 2 k_{1}^{2} k_{3}^{2}$ $k_{4}^{2} k_{6} k_{11} k_{12} k_{14} - k_{1}^{2} k_{3}^{2} k_{4}^{2} k_{8} k_{11}^{2} k_{14} - k_{1}^{2} k_{3}^{2} k_{4}^{2} k_{8} k_{11} k_{14}^{2} - k_{1}^{2} k_{3}^{2} k_{4}^{2} k_{11}^{2} k_{14}^{2} - k_{1}^{2} k_{3}^{2}$ $k_4^2 k_{11} k_{12} k_{14}^2 - k_1^2 k_3 k_4^2 k_6^2 k_7 k_{11} k_{12} - 2 k_1^2 k_3 k_4^2 k_6^2 k_7 k_{11} k_{13} - k_1^2 k_3 k_4^2 k_6^2 k_7 k_{12} k_{13} - 2$ $k_1^2 k_3 k_4^2 k_6^2 k_{11}^2 k_{13} - 2 k_1^2 k_3 k_4^2 k_6^2 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_4^2 k_6 k_7 k_8 k_{11} k_{13} - k_1^2 k_3$ $k_4^2 k_6 k_7 k_8 k_{11} k_{14} - k_1^2 k_3 k_4^2 k_6 k_7 k_8 k_{13} k_{14} - k_1^2 k_3 k_4^2 k_6 k_7 k_{11} k_{12} k_{13} - 2 k_1^2 k_3$ $k_4^2 k_6 k_7 k_{11} k_{12} k_{14} - 2 k_1^2 k_3 k_4^2 k_6 k_7 k_{11} k_{13} k_{14} - k_1^2 k_3 k_4^2 k_6 k_7 k_{12} k_{13} k_{14} - 2 k_1^2 k_3$ $k_{4}^{2} k_{6} k_{8} k_{11}^{2} k_{13} - k_{1}^{2} k_{3} k_{4}^{2} k_{6} k_{8} k_{11}^{2} k_{14} - k_{1}^{2} k_{3} k_{4}^{2} k_{6} k_{8} k_{11} k_{13} k_{14} - 2 k_{1}^{2} k_{3} k_{4}^{2} k_{6}$ $k_{11}^2 k_{13} k_{14} - 2 k_1^2 k_3 k_4^2 k_6 k_{11} k_{12} k_{13} k_{14} - k_1^2 k_3 k_4^2 k_7 k_8 k_{11} k_{13} k_{14} - k_1^2 k_3 k_4^2 k_7 k_8 k_{11} k_{14}^2$ $-k_{1}^{2}k_{3}k_{4}^{2}k_{7}k_{11}k_{12}k_{13}k_{14}-k_{1}^{2}k_{3}k_{4}^{2}k_{7}k_{11}k_{12}k_{14}^{2}-k_{1}^{2}k_{3}k_{4}^{2}k_{8}k_{11}^{2}k_{13}k_{14}-k_{1}^{2}k_{3}k_{4}^{2}k_{8}$ k_{11}^{2} k_{14}^{2} $-k_{1}^{2}$ k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{13} $-k_{1}^{2}$ k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{13}^{2} $-k_{1}^{2}$ k_{4}^{2} k_{6}^{2} k_{7} k_{11} k_{12} k_{13} -2 k_{1}^{2} k_{4}^{2} k_{6}^{2} k_{7} k_{11} $k_{13}^2 - k_1^2 k_4^2 k_6^2 k_7 k_{12} k_{13}^2 - k_1^2 k_4^2 k_6^2 k_{11}^2 k_{13}^2 - k_1^2 k_4^2 k_6^2 k_{11} k_{12} k_{13}^2 - k_1^2 k_4^2 k_6 k_7^2 k_8 k_{13}^2 - k_1^2 k_8^2 k_{13}^2 - k_1^2 k_8^2 k_8^2 k_{13}^2 - k_1^2 k_8^2 k_8^2 k_{13}^2 - k_1^2 k_8^2 k_8^2$ $k_{4}^{2} k_{6} k_{7}^{2} k_{8} k_{13} k_{14} - k_{1}^{2} k_{4}^{2} k_{6} k_{7}^{2} k_{12} k_{13}^{2} - k_{1}^{2} k_{4}^{2} k_{6} k_{7}^{2} k_{12} k_{13} k_{14} - 2 k_{1}^{2} k_{4}^{2} k_{6} k_{7} k_{8} k_{11} k_{13}^{2}$ $-2k_{1}^{2}k_{4}^{2}k_{6}k_{7}k_{8}k_{11}k_{13}k_{14}-k_{1}^{2}k_{4}^{2}k_{6}k_{7}k_{11}k_{12}k_{13}^{2}-k_{1}^{2}k_{4}^{2}k_{6}k_{7}k_{11}k_{12}k_{13}k_{14}-k_{1}^{2}$ $k_3^2 k_4 k_5 k_6 k_8 k_{11}^2 - 2 k_1^2 k_3^2 k_4 k_5 k_6 k_{10} k_{11}^2 - 2 k_1^2 k_3^2 k_4 k_5 k_6 k_{10} k_{11} k_{12} - k_1^2 k_3^2 k_4 k_5 k_8 k_{10}$ $k_{11}^2 - 2 k_1^2 k_3^2 k_4 k_5 k_8 k_{10} k_{11} k_{14} - k_1^2 k_3^2 k_4 k_5 k_8 k_{11}^2 k_{14} - 2 k_1^2 k_3^2 k_4 k_5 k_{10} k_{11}^2 k_{14} - 2 k_1^2$ $k_{3}^{2} k_{4} k_{5} k_{10} k_{11} k_{12} k_{14} - k_{1}^{2} k_{3}^{2} k_{4} k_{6}^{2} k_{8} k_{10} k_{11} - k_{1}^{2} k_{3}^{2} k_{4} k_{6}^{2} k_{8} k_{11}^{2} - 2 k_{1}^{2} k_{3}^{2} k_{4} k_{6}^{2} k_{10} k_{11}^{2}$ $-2k_1^2k_3^2k_4k_6^2k_{10}k_{11}k_{12}-k_1^2k_3^2k_4k_6k_8k_{10}k_{11}^2-3k_1^2k_3^2k_4k_6k_8k_{10}k_{11}k_{14}-2k_1^2$ $k_{3}^{2} k_{4} k_{6} k_{8} k_{11}^{2} k_{14} - 4 k_{1}^{2} k_{3}^{2} k_{4} k_{6} k_{10} k_{11}^{2} k_{14} - 4 k_{1}^{2} k_{3}^{2} k_{4} k_{6} k_{10} k_{11} k_{12} k_{14} - k_{1}^{2} k_{3}^{2} k_{4} k_{8} k_{10}$ $k_{11}^2 k_{14} - 2 k_1^2 k_3^2 k_4 k_8 k_{10} k_{11} k_{14}^2 - k_1^2 k_3^2 k_4 k_8 k_{11}^2 k_{14}^2 - 2 k_1^2 k_3^2 k_4 k_{10} k_{11}^2 k_{14}^2 - 2 k_1^2$ $k_3^2 k_4 k_{10} k_{11} k_{12} k_{14}^2 - k_1^2 k_3 k_4 k_5 k_6 k_7 k_8 k_{10} k_{11} - k_1^2 k_3 k_4 k_5 k_6 k_7 k_8 k_{10} k_{13} - 2$

 k_{1}^{2} k_{3} k_{4} k_{5} k_{6} k_{7} k_{8} k_{11} k_{13} - 2 k_{1}^{2} k_{3} k_{4} k_{5} k_{6} k_{7} k_{10} k_{11} k_{12} - 2 k_{1}^{2} k_{3} k_{4} k_{5} k_{6} k_{7} k_{10} k_{11} k_{13} $-k_1^2 k_3 k_4 k_5 k_6 k_7 k_{10} k_{12} k_{13} - k_1^2 k_3 k_4 k_5 k_6 k_7 k_{11} k_{12} k_{13} - k_1^2 k_3 k_4 k_5 k_6 k_8 k_{10} k_{11}^2$ $k_1^2 k_3 k_4 k_5 k_6 k_8 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_4 k_5 k_6 k_8 k_{11}^2 k_{13} - 2 k_1^2 k_3 k_4 k_5 k_6 k_{10} k_{11}^2 k_{13} - 2$ $k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{6}\,k_{10}\,k_{11}\,k_{12}\,k_{13}-k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{13}-2\,k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{14}$ $-k_1^2 k_3 k_4 k_5 k_7 k_8 k_{11} k_{13} k_{14} - k_1^2 k_3 k_4 k_5 k_7 k_{10} k_{11} k_{12} k_{13} - 2$ $k_1^2 k_3 k_4 k_5 k_7 k_{10} k_{11} k_{12} k_{14} - k_1^2 k_3 k_4 k_5 k_7 k_{11} k_{12} k_{13} k_{14} - k_1^2 k_3 k_4 k_5 k_8 k_{10} k_{11}^2 k_{13} - 2$ $k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{8}\,k_{10}\,k_{11}^{2}\,k_{14}-k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{8}\,k_{11}^{2}\,k_{13}\,k_{14}-k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}\,k_{8}\,k_{10}\,k_{11}-k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}^{2}\,k_{10}\,k_{11}-k_{1}^{2}\,k_{11}\,k_{12}\,k_{13}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{1}^{2}\,k_{14}-k_{$ $k_{6}^{2} k_{7} k_{8} k_{10} k_{13} - 2 k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{8} k_{11} k_{13} - 2 k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{10} k_{11} k_{12} - 4 k_{1}^{2} k_{3} k_{4}$ $k_{6}^{2} k_{7} k_{10} k_{11} k_{13} - 2 k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{10} k_{12} k_{13} - k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{8} k_{10} k_{11}^{2} - k_{1}^{2} k_{3} k_{4}$ $k_{6}^{2} k_{8} k_{10} k_{11} k_{13} - 2 k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{8} k_{11}^{2} k_{13} - 4 k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{10} k_{11}^{2} k_{13} - 4 k_{1}^{2} k_{3} k_{4}$ $k_{6}^{2}\,k_{10}\,k_{11}\,k_{12}\,k_{13} - 3\,k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{13} - 3\,k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{14} - 2$ $k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{10}\,k_{13}\,k_{14}-2\,k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{11}\,k_{13}\,k_{14}-2\,k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{10}\,k_{11}\,k_{12}\,k_{13}$ $-4k_1^2k_3k_4k_6k_7k_{10}k_{11}k_{12}k_{14}-4k_1^2k_3k_4k_6k_7k_{10}k_{11}k_{13}k_{14}-2$ $k_1^2 k_3 k_4 k_6 k_7 k_{10} k_{12} k_{13} k_{14} - 3 k_1^2 k_3 k_4 k_6 k_8 k_{10} k_{11}^2 k_{13} - 3 k_1^2 k_3 k_4 k_6 k_8 k_{10} k_{11}^2 k_{14} - 2$ $k_{1}^{2} k_{3} k_{4} k_{6} k_{8} k_{10} k_{11} k_{13} k_{14} - 2 k_{1}^{2} k_{3} k_{4} k_{6} k_{8} k_{11}^{2} k_{13} k_{14} - 4 k_{1}^{2} k_{3} k_{4} k_{6} k_{10} k_{11}^{2} k_{13} k_{14}$ $-4k_{1}^{2}k_{3}k_{4}k_{6}k_{10}k_{11}k_{12}k_{13}k_{14}-2k_{1}^{2}k_{3}k_{4}k_{7}k_{8}k_{10}k_{11}k_{13}k_{14}-2$ $k_{1}^{2} k_{3} k_{4} k_{7} k_{8} k_{10} k_{11} k_{14}^{2} - 2 k_{1}^{2} k_{3} k_{4} k_{7} k_{10} k_{11} k_{12} k_{13} k_{14} - 2 k_{1}^{2} k_{3} k_{4} k_{7} k_{10} k_{11} k_{12} k_{14}^{2}$ $-2k_1^2k_3k_4k_8k_{10}k_{11}^2k_{13}k_{14}-2k_1^2k_3k_4k_8k_{10}k_{11}^2k_{14}^2-k_1^2k_4k_5k_6k_7^2k_8k_{10}k_{13}$ $k_1^2 k_4 k_5 k_6 k_7^2 k_8 k_{13}^2 - k_1^2 k_4 k_5 k_6 k_7^2 k_{10} k_{12} k_{13} - k_1^2 k_4 k_5 k_6 k_7^2 k_{12} k_{13}^2 - 2$ $k_1^2 k_4 k_5 k_6 k_7 k_8 k_{10} k_{11} k_{13} - 2 k_1^2 k_4 k_5 k_6 k_7 k_8 k_{11} k_{13}^2 - k_1^2 k_4 k_5 k_6 k_7 k_{10} k_{11} k_{12} k_{13}$ $k_{1}^{2} k_{4} k_{5} k_{6} k_{7} k_{11} k_{12} k_{13}^{2} - k_{1}^{2} k_{4} k_{5} k_{6} k_{8} k_{10} k_{11}^{2} k_{13} - k_{1}^{2} k_{4} k_{5} k_{6} k_{8} k_{11}^{2} k_{13}^{2} - k_{1}^{2} k_{4} k_{6}^{2}$ $k_7^2 k_8 k_{10} k_{13} - k_1^2 k_4 k_6^2 k_7^2 k_8 k_{13}^2 - 2 k_1^2 k_4 k_6^2 k_7^2 k_{10} k_{12} k_{13} - 2 k_1^2 k_4 k_6^2 k_7^2 k_{10} k_{13}^2 - 2 k_1^2 k_4$ $k_{6}^{2} k_{7} k_{8} k_{10} k_{11} k_{13} - 2 k_{1}^{2} k_{4} k_{6}^{2} k_{7} k_{8} k_{11} k_{13}^{2} - 2 k_{1}^{2} k_{4} k_{6}^{2} k_{7} k_{10} k_{11} k_{12} k_{13} - 4 k_{1}^{2} k_{4}$ $k_{6}^{2} k_{7} k_{10} k_{11} k_{13}^{2} - 2 k_{1}^{2} k_{4} k_{6}^{2} k_{7} k_{10} k_{12} k_{13}^{2} - k_{1}^{2} k_{4} k_{6}^{2} k_{8} k_{10} k_{11}^{2} k_{13} - k_{1}^{2} k_{4} k_{6}^{2} k_{8} k_{11}^{2} k_{13}^{2}$ $-2k_{1}^{2}k_{4}k_{6}^{2}k_{10}k_{11}^{2}k_{13}^{2}-2k_{1}^{2}k_{4}k_{6}^{2}k_{10}k_{11}k_{12}k_{13}^{2}-2k_{1}^{2}k_{4}k_{6}k_{7}^{2}k_{8}k_{10}k_{13}^{2}-2k_{1}^{2}k_{4}k_{6}$ $k_7^2 k_8 k_{10} k_{13} k_{14} - 2 k_1^2 k_4 k_6 k_7^2 k_{10} k_{12} k_{13}^2 - 2 k_1^2 k_4 k_6 k_7^2 k_{10} k_{12} k_{13} k_{14} - 4$ $k_{1}^{2} k_{4} k_{6} k_{7} k_{8} k_{10} k_{11} k_{13}^{2} - 4 k_{1}^{2} k_{4} k_{6} k_{7} k_{8} k_{10} k_{11} k_{13} k_{14} - 2 k_{1}^{2} k_{4} k_{6} k_{7} k_{10} k_{11} k_{12} k_{13}^{2}$

 $-2k_{1}^{2}k_{4}k_{6}k_{7}k_{10}k_{11}k_{12}k_{13}k_{14}-2k_{1}^{2}k_{4}k_{6}k_{8}k_{10}k_{11}^{2}k_{13}^{2}-2k_{1}^{2}k_{4}k_{6}k_{8}k_{10}k_{11}^{2}k_{13}k_{14}$ $-2k_1k_2k_3k_4^2k_6^2k_7k_9k_{11}-k_1k_2k_3k_4^2k_6^2k_7k_9k_{12}-k_1k_2k_3k_4^2k_6^2k_7k_{11}k_{12}-2k_1k_2k_3$ $k_{4}^{2} k_{6}^{2} k_{9} k_{11}^{2} - 2 k_{1} k_{2} k_{3} k_{4}^{2} k_{6}^{2} k_{9} k_{11} k_{12} - 2 k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{7} k_{8} k_{9} k_{11} - k_{1} k_{2} k_{3}$ $k_{4}^{2} \ k_{6} \ k_{7} \ k_{8} \ k_{9} \ k_{14} - k_{1} \ k_{2} \ k_{3} \ k_{4}^{2} \ k_{6} \ k_{7} \ k_{8} \ k_{11} \ k_{14} - k_{1} \ k_{2} \ k_{3} \ k_{4}^{2} \ k_{6} \ k_{7} \ k_{9} \ k_{11} \ k_{12} - 2 \ k_{1} \ k_{2} \ k_{3}$ $k_4^2 k_6 k_7 k_9 k_{11} k_{14} - k_1 k_2 k_3 k_4^2 k_6 k_7 k_9 k_{12} k_{14} - 2 k_1 k_2 k_3 k_4^2 k_6 k_7 k_{11} k_{12} k_{14} - 2 k_1 k_2 k_3$ $k_{4}^{2} k_{6} k_{8} k_{9} k_{11}^{2} - k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{8} k_{9} k_{11} k_{14} - k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{8} k_{11}^{2} k_{14} - 2 k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{9}$ k_{11}^{2} k_{14} - 2 k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{9} k_{11} k_{12} k_{14} - k_{1} k_{2} k_{3} k_{4}^{2} k_{7} k_{8} k_{9} k_{11} k_{14} - k_{1} k_{2} k_{3} k_{4}^{2} k_{7} k_{8} k_{11} $k_{14}^2 - k_1 \ k_2 \ k_3 \ k_4^2 \ k_7 \ k_9 \ k_{11} \ k_{12} \ k_{14} - k_1 \ k_2 \ k_3 \ k_4^2 \ k_7 \ k_{11} \ k_{12} \ k_{14}^2 - k_1 \ k_2 \ k_3 \ k_4^2 \ k_8 \ k_9 \ k_{11}^2 \ k_{14}$ $-k_1 k_2 k_3 k_4^2 k_8 k_{11}^2 k_{14}^2 - k_1 k_2 k_4^2 k_6^2 k_7^2 k_9 k_{12} - 2 k_1 k_2 k_4^2 k_6^2 k_7^2 k_9 k_{13} - k_1 k_2 k_4^2 k_6^2$ $k_{7}^{2}\,k_{1\,7}\,k_{1\,3}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}^{2}\,k_{7}\,k_{9}\,k_{1\,1}\,k_{1\,2}\,-\,4\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}^{2}\,k_{7}\,k_{9}\,k_{1\,1}\,k_{1\,3}\,-\,2\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}^{2}\,k_{7}\,k_{9}\,k_{1\,2}\,k_{1\,3}$ $-k_1 k_2 k_4^2 k_6^2 k_7 k_{11} k_{12} k_{13} - 2 k_1 k_2 k_4^2 k_6^2 k_9 k_{11}^2 k_{13} - 2 k_1 k_2 k_4^2 k_6^2 k_9 k_{11} k_{12} k_{13}$ $-2\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{13}-k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{14}-k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{13}\,k_{14}-2\,k_{1}\,k_{2}\,k_{2}^{2}\,k_{13}\,k_{14}-2\,k_{1}\,k_{2}\,k_{2}^{2}\,k_{14}\,k$ $k_4^2 k_6 k_7^2 k_9 k_{12} k_{13} - k_1 k_2 k_4^2 k_6 k_7^2 k_9 k_{12} k_{14} - k_1 k_2 k_4^2 k_6 k_7^2 k_{12} k_{13} k_{14} - 4 k_1 k_2$ $k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{13} - 2 k_1 k_2 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{14} - 2 k_1 k_2 k_4^2 k_6 k_7 k_8 k_{11} k_{13} k_{14}$ $-2k_1k_2k_4^2k_6k_7k_9k_{11}k_{12}k_{13}-k_1k_2k_4^2k_6k_7k_9k_{11}k_{12}k_{14}-k_1k_2$ $k_{4}^{2} k_{6} k_{7} k_{11} k_{12} k_{13} k_{14} - 2 k_{1} k_{2} k_{4}^{2} k_{6} k_{8} k_{9} k_{11}^{2} k_{13} - k_{1} k_{2} k_{4}^{2} k_{6} k_{8} k_{9} k_{11}^{2} k_{14} - k_{1} k_{2}$ $k_4^2 k_6 k_8 k_{11}^2 k_{13} k_{14} - 2 k_1 k_3^2 k_4^2 k_6^2 k_7 k_9 k_{11} - k_1 k_3^2 k_4^2 k_6^2 k_7 k_9 k_{12} - k_1 k_3^2 k_4^2 k_6^2 k_7 k_{11} k_{12}$ $-2k_1k_3^2k_4^2k_6^2k_9k_{11}^2-2k_1k_3^2k_4^2k_6^2k_9k_{11}k_{12}-2k_1k_3^2k_4^2k_6k_7k_8k_9k_{11}-k_1k_3^2$ $k_{4}^{2} k_{6} k_{7} k_{8} k_{9} k_{14} - k_{1} k_{3}^{2} k_{4}^{2} k_{6} k_{7} k_{8} k_{11} k_{14} - k_{1} k_{3}^{2} k_{4}^{2} k_{6} k_{7} k_{9} k_{11} k_{12} - 2 k_{1} k_{3}^{2}$ $k_4^2 k_6 k_7 k_9 k_{11} k_{14} - k_1 k_3^2 k_4^2 k_6 k_7 k_9 k_{12} k_{14} - 2 k_1 k_3^2 k_4^2 k_6 k_7 k_{11} k_{12} k_{14} - 2 k_1 k_3^2$ $k_4^2 k_6 k_8 k_9 k_{11}^2 - 2 k_1 k_3^2 k_4^2 k_6 k_8 k_9 k_{11} k_{14} - 4 k_1 k_3^2 k_4^2 k_6 k_9 k_{11}^2 k_{14} - 4 k_1 k_3^2$ $k_{4}^{2} k_{6} k_{9} k_{11} k_{12} k_{14} - k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8} k_{9} k_{11} k_{14} - k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8} k_{11} k_{14}^{2} - k_{1} k_{3}^{2}$ $k_4^2 k_7 k_9 k_{11} k_{12} k_{14} - k_1 k_3^2 k_4^2 k_7 k_{11} k_{12} k_{14}^2 - 2 k_1 k_3^2 k_4^2 k_8 k_9 k_{11}^2 k_{14} - 2 k_1 k_3^2 k_4^2 k_8 k_9 k_{11}$ $k_{14}^2 - 2 k_1 k_3^2 k_4^2 k_9 k_{11}^2 k_{14}^2 - 2 k_1 k_3^2 k_4^2 k_9 k_{11} k_{12} k_{14}^2 - k_1 k_3 k_4^2 k_6^2 k_7^2 k_9 k_{12} - 2 k_1 k_3 k_4^2 k_6^2$ $k_7^2 k_9 k_{13} - k_1 k_3 k_4^2 k_6^2 k_7^2 k_{12} k_{13} - k_1 k_3 k_4^2 k_6^2 k_7 k_9 k_{11} k_{12} - 6 k_1 k_3 k_4^2 k_6^2 k_7 k_9 k_{11} k_{13}$ $-3k_1k_3k_4^2k_6^2k_7k_9k_{12}k_{13} - 2k_1k_3k_4^2k_6^2k_7k_{11}k_{12}k_{13} - 4k_1k_3k_4^2k_6^2k_9k_{11}^2k_{13}$

 $k_4^2 k_6 k_7^2 k_8 k_{13} k_{14} - 2 k_1 k_3 k_4^2 k_6 k_7^2 k_9 k_{12} k_{13} - k_1 k_3 k_4^2 k_6 k_7^2 k_9 k_{12} k_{14} - k_1 k_3 k_4^2 k_6$ $k_7^2 k_{12} k_{13} k_{14} - 6 k_1 k_3 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{13} - 3 k_1 k_3 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{14} - 2 k_1 k_3$ $k_4^2 k_6 k_7 k_8 k_9 k_{13} k_{14} - k_1 k_3 k_4^2 k_6 k_7 k_8 k_{11} k_{13} k_{14} - 3 k_1 k_3 k_4^2 k_6 k_7 k_9 k_{11} k_{12} k_{13}$ $-3 k_1 k_3 k_4^2 k_6 k_7 k_9 k_{11} k_{12} k_{14} - 4 k_1 k_3 k_4^2 k_6 k_7 k_9 k_{11} k_{13} k_{14} - 2 k_1 k_3$ $k_4^2 k_6 k_7 k_9 k_{12} k_{13} k_{14} - 2 k_1 k_3 k_4^2 k_6 k_7 k_{11} k_{12} k_{13} k_{14} - 4 k_1 k_3 k_4^2 k_6 k_8 k_9 k_{11}^2 k_{13}$ $-2k_1k_3k_4^2k_6k_8k_9k_{11}^2k_{14} - 2k_1k_3k_4^2k_6k_8k_9k_{11}k_{13}k_{14} - 4k_1k_3k_4^2k_6k_9k_{11}^2k_{13}k_{14}$ $-4k_1k_3k_4^2k_6k_9k_{11}k_{12}k_{13}k_{14}-2k_1k_3k_4^2k_7k_8k_9k_{11}k_{13}k_{14}-2k_1k_3k_4^2k_7k_8k_9k_{11}$ $k_{14}^2 - 2 k_1 k_3 k_4^2 k_7 k_9 k_{11} k_{12} k_{13} k_{14} - 2 k_1 k_3 k_4^2 k_7 k_9 k_{11} k_{12} k_{14}^2 - 2 k_1 k_3 k_4^2 k_8 k_9$ k_{11}^{2} k_{13} k_{14} - 2 k_{1} k_{3} k_{4}^{2} k_{8} k_{9} k_{11}^{2} k_{14}^{2} - k_{1} k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{9} k_{12} k_{13} - 2 k_{1} k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{9} k_{13}^{2} - k_{1} k_{4}^{2} $k_{6}^{2} k_{7}^{2} k_{12} k_{13}^{2} - k_{1} k_{4}^{2} k_{6}^{2} k_{7} k_{9} k_{11} k_{12} k_{13} - 4 k_{1} k_{4}^{2} k_{6}^{2} k_{7} k_{9} k_{11} k_{13}^{2} - 2 k_{1} k_{4}^{2} k_{6}^{2} k_{7} k_{9} k_{12} k_{13}^{2}$ $-k_1 k_4^2 k_6^2 k_7 k_{11} k_{12} k_{13}^2 - 2 k_1 k_4^2 k_6^2 k_9 k_{11}^2 k_{13}^2 - 2 k_1 k_4^2 k_6^2 k_9 k_{11} k_{12} k_{13}^2 - 2 k_1 k_4^2 k_6$ $k_{7}^{2}\,k_{8}\,k_{9}\,k_{13}^{2} - 2\,k_{1}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{13}\,k_{14} - 2\,k_{1}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{9}\,k_{12}\,k_{13}^{2} - 2\,k_{1}\,k_{4}^{2}\,k_{6}$ $k_7^2 k_9 k_{12} k_{13} k_{14} - 4 k_1 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{13}^2 - 4 k_1 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{13} k_{14} - 2 k_1$ $k_4^2 k_6 k_8 k_9 k_{11}^2 k_{13} k_{14} x_5^3 + (-k_1^2 k_3^2 k_5^2 k_8 k_{10}^2 k_{11} - k_1^2 k_3^2 k_5^2 k_8 k_{10} k_{11}^2 - k_1^2 k_3^2 k_5^2 k_{10}^2 k_{11}^2 - k_1^2 k_3^2 k_5^2 k_8 k_{10}^2 k_5^2 k_8 k_{10}^2 k_{11}^2 - k_1^2 k_3^2 k_5^2 k_8 k_{10}^2 k_{11}^2 - k_1^2 k_5^2 k_8 k_{10}^2 k_{11}^2 - k_1^2 k_5^2 k_5^2 k_8 k_{10}^2 k_5^2 k_8 k_{10}^2 k_{11}^2 + k_1^2 k_5^2 k_5^2 k_5^2 k_5^2 k_5^2 k$ $k_1^2 k_3^2 k_5^2 k_{10}^2 k_{11} k_{12} - 2 k_1^2 k_3^2 k_5 k_6 k_8 k_{10}^2 k_{11} - 2 k_1^2 k_3^2 k_5 k_6 k_8 k_{10} k_{11}^2 - 2 k_1^2 k_3^2 k_5 k_6 k_{10}^2$ $k_{11}^2 - 2 k_1^2 k_3^2 k_5 k_6 k_{10}^2 k_{11} k_{12} - 2 k_1^2 k_3^2 k_5 k_8 k_{10}^2 k_{11} k_{14} - 2 k_1^2 k_3^2 k_5 k_8 k_{10} k_{11}^2 k_{14} - 2 k_1^2$ $k_3^2 k_5 k_{10}^2 k_{11}^2 k_{14} - 2 k_1^2 k_3^2 k_5 k_{10}^2 k_{11} k_{12} k_{14} - k_1^2 k_3^2 k_6^2 k_8 k_{10}^2 k_{11} - k_1^2 k_3^2 k_6^2 k_8 k_{10} k_{11}^2 - k_1^2 k_3^2 k_6^2 k_8 k_{10} k_{11}^2 - k_1^2 k_3^2 k_6^2 k_8 k_{10}^2 k_{11}^2 k_{11}^2 - k_1^2 k_3^2 k_6^2 k_8 k_{10}^2 k_{11}^2 k_{11}^2$ $k_{3}^{2} k_{6}^{2} k_{10}^{2} k_{11}^{2} - k_{1}^{2} k_{3}^{2} k_{6}^{2} k_{10}^{2} k_{11} k_{12} - 2 k_{1}^{2} k_{3}^{2} k_{6} k_{8} k_{10}^{2} k_{11} k_{14} - 2 k_{1}^{2} k_{3}^{2} k_{6} k_{8} k_{10} k_{11}^{2} k_{14}$ $-2\,k_{1}^{2}\,k_{3}^{2}\,k_{6}\,k_{10}^{2}\,k_{11}^{2}\,k_{14}-2\,k_{1}^{2}\,k_{3}^{2}\,k_{6}\,k_{10}^{2}\,k_{11}\,k_{12}\,k_{14}-k_{1}^{2}\,k_{3}^{2}\,k_{8}\,k_{10}^{2}\,k_{11}\,k_{14}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{8}\,k_{10}\,k_{11}^{2}$ $k_{14}^2 - k_1^2 k_3^2 k_{10}^2 k_{11}^2 k_{14}^2 - k_1^2 k_3^2 k_{10}^2 k_{11} k_{12} k_{14}^2 - k_1^2 k_3 k_5^2 k_7 k_8 k_{10}^2 k_{11} - k_1^2 k_3$ $k_{5}^{2} k_{7} k_{8} k_{10} k_{11} k_{13} - k_{1}^{2} k_{3} k_{5}^{2} k_{7} k_{10}^{2} k_{11} k_{12} - k_{1}^{2} k_{3} k_{5}^{2} k_{7} k_{10} k_{11} k_{12} k_{13} - k_{1}^{2} k_{3} k_{5}^{2} k_{8} k_{10}^{2}$ $k_{11}^2 - k_1^2 k_3 k_5^2 k_8 k_{10} k_{11}^2 k_{13} - 2 k_1^2 k_3 k_5 k_6 k_7 k_8 k_{10}^2 k_{11} - k_1^2 k_3 k_5 k_6 k_7 k_8 k_{10}^2 k_{13} - 3 k_1 k_2 k_2 k_3 k_3 k_5 k_6 k_7 k_8 k_{10}^2 k_{13} - 3 k_1 k_2 k_2 k_3 k_2 k_3 k_3 k_5 k_6 k_7 k_8 k_{10}^2 k_{10} k_$ $k_1^2 k_3 k_5 k_6 k_7 k_8 k_{10} k_{11} k_{13} - 2 k_1^2 k_3 k_5 k_6 k_7 k_{10}^2 k_{11} k_{12} - 2 k_1^2 k_3 k_5 k_6 k_7 k_{10}^2 k_{11} k_{13}$ $k_1^2 k_3 k_5 k_6 k_7 k_{10}^2 k_{12} k_{13} - k_1^2 k_3 k_5 k_6 k_7 k_{10} k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_5 k_6 k_8 k_{10}^2 k_{11}^2$ $k_1^2 k_3 k_5 k_6 k_8 k_{10}^2 k_{11} k_{13} - 3 k_1^2 k_3 k_5 k_6 k_8 k_{10} k_{11}^2 k_{13} - 2 k_1^2 k_3 k_5 k_6 k_{10}^2 k_{11}^2 k_{13} - 2$ $k_1^2 k_3 k_5 k_6 k_{10}^2 k_{11} k_{12} k_{13} - k_1^2 k_3 k_5 k_7 k_8 k_{10}^2 k_{11} k_{13} - 2 k_1^2 k_3 k_5 k_7 k_8 k_{10}^2 k_{11} k_{14} -$

 $k_1^2 k_3 k_5 k_7 k_8 k_{10} k_{11} k_{13} k_{14} - k_1^2 k_3 k_5 k_7 k_{10}^2 k_{11} k_{12} k_{13} - 2 k_1^2 k_3 k_5 k_7 k_{10}^2 k_{11} k_{12} k_{14}$ $k_1^2 k_3 k_5 k_7 k_{10} k_{11} k_{12} k_{13} k_{14} - k_1^2 k_3 k_5 k_8 k_{10}^2 k_{11}^2 k_{13} - 2 k_1^2 k_3 k_5 k_8 k_{10}^2 k_{11}^2 k_{14}$ $k_1^2 k_3 k_5 k_8 k_{10} k_{11}^2 k_{13} k_{14} - k_1^2 k_3 k_6^2 k_7 k_8 k_{10}^2 k_{11} - k_1^2 k_3 k_6^2 k_7 k_8 k_{10}^2 k_{13} - 2 k_1^2 k_3$ $k_{6}^{2} k_{7} k_{8} k_{10} k_{11} k_{13} - k_{1}^{2} k_{3} k_{6}^{2} k_{7} k_{10}^{2} k_{11} k_{12} - 2 k_{1}^{2} k_{3} k_{6}^{2} k_{7} k_{10}^{2} k_{11} k_{13} - k_{1}^{2} k_{3} k_{6}^{2} k_{7}$ $k_{10}^{2} k_{12} k_{13} - k_{1}^{2} k_{3} k_{6}^{2} k_{8} k_{10}^{2} k_{11}^{2} - k_{1}^{2} k_{3} k_{6}^{2} k_{8} k_{10}^{2} k_{11} k_{13} - 2 k_{1}^{2} k_{3} k_{6}^{2} k_{8} k_{10} k_{11}^{2} k_{13} - 2$ $k_{1}^{2}\,k_{3}\,k_{6}^{2}\,k_{10}^{2}\,k_{11}^{2}\,k_{13} - 2\,k_{1}^{2}\,k_{3}\,k_{6}^{2}\,k_{10}^{2}\,k_{11}\,k_{12}\,k_{13} - k_{1}^{2}\,k_{3}\,k_{6}\,k_{7}\,k_{8}\,k_{10}^{2}\,k_{11}\,k_{13} - 2\,k_{1}^{2}\,k_{3}\,k_{6}\,k_{7}\,k_{8}$ $k_{10}^{2} k_{11} k_{14} - k_{1}^{2} k_{3} k_{6} k_{7} k_{8} k_{10}^{2} k_{13} k_{14} - 2 k_{1}^{2} k_{3} k_{6} k_{7} k_{8} k_{10} k_{11} k_{13} k_{14} - k_{1}^{2} k_{3} k_{6} k_{7}$ $k_{10}^{2} k_{11} k_{12} k_{13} - 2 k_{1}^{2} k_{3} k_{6} k_{7} k_{10}^{2} k_{11} k_{12} k_{14} - 2 k_{1}^{2} k_{3} k_{6} k_{7} k_{10}^{2} k_{11} k_{13} k_{14} - k_{1}^{2} k_{3} k_{6} k_{7}$ $k_{10}^{2} k_{12} k_{13} k_{14} - k_{1}^{2} k_{3} k_{6} k_{8} k_{10}^{2} k_{11}^{2} k_{13} - 2 k_{1}^{2} k_{3} k_{6} k_{8} k_{10}^{2} k_{11}^{2} k_{14} - k_{1}^{2} k_{3} k_{6} k_{8}$ $k_{10}^{2} k_{11} k_{13} k_{14} - 2 k_{1}^{2} k_{3} k_{6} k_{8} k_{10} k_{11}^{2} k_{13} k_{14} - 2 k_{1}^{2} k_{3} k_{6} k_{10}^{2} k_{11}^{2} k_{13} k_{14} - 2 k_{1}^{2} k_{3} k_{6}$ $k_{10}^{2} k_{11} k_{12} k_{13} k_{14} - k_{1}^{2} k_{3} k_{7} k_{8} k_{10}^{2} k_{11} k_{13} k_{14} - k_{1}^{2} k_{3} k_{7} k_{8} k_{10}^{2} k_{11} k_{14}^{2} - k_{1}^{2} k_{3} k_{7}$ $k_{10}^2 k_{11} k_{12} k_{13} k_{14} - k_1^2 k_3 k_7 k_{10}^2 k_{11} k_{12} k_{14}^2 - k_1^2 k_3 k_8 k_{10}^2 k_{11}^2 k_{13} k_{14} - k_1^2 k_3 k_8 k_{10}^2 k_{11}^2 k_{14}^2$ $-k_1^2 k_5 k_6 k_7^2 k_8 k_{10}^2 k_{13} - k_1^2 k_5 k_6 k_7^2 k_8 k_{10} k_{13}^2 - k_1^2 k_5 k_6 k_7^2 k_{10}^2 k_{12} k_{13} - k_1^2 k_5 k_6$ $k_7^2 k_{10} k_{12} k_{13}^2 - 2 k_1^2 k_5 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} - 2 k_1^2 k_5 k_6 k_7 k_8 k_{10} k_{11} k_{13}^2 - k_1^2 k_5 k_6 k_7$ $k_{10}^{2} k_{11} k_{12} k_{13} - k_{1}^{2} k_{5} k_{6} k_{7} k_{10} k_{11} k_{12} k_{13}^{2} - k_{1}^{2} k_{5} k_{6} k_{8} k_{10}^{2} k_{11}^{2} k_{13} - k_{1}^{2} k_{5} k_{6} k_{8} k_{10} k_{11}^{2} k_{13}^{2}$ $-k_{1}^{2}k_{6}^{2}k_{7}^{2}k_{8}k_{10}^{2}k_{13}-k_{1}^{2}k_{6}^{2}k_{7}^{2}k_{8}k_{10}k_{13}^{2}-k_{1}^{2}k_{6}^{2}k_{7}^{2}k_{10}k_{12}k_{13}-k_{1}^{2}k_{6}^{2}k_{7}^{2}k_{10}k_{13}^{2}-2k_{1}^{2}k_{10}^{2}k_{13}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10}^{2}-k_{1}^{2}k_{10}^{2}k_{10$ $k_6^2 k_7 k_8 k_{10}^2 k_{11} k_{13} - 2 k_1^2 k_6^2 k_7 k_8 k_{10} k_{11} k_{13}^2 - k_1^2 k_6^2 k_7 k_{10}^2 k_{11} k_{12} k_{13} - 2 k_1^2 k_6^2 k_7 k_{10}^2 k_{11}$ $k_{13}^2 - k_1^2 k_6^2 k_7 k_{10}^2 k_{12} k_{13}^2 - k_1^2 k_6^2 k_8 k_{10}^2 k_{11}^2 k_{13} - k_1^2 k_6^2 k_8 k_{10} k_{11}^2 k_{13}^2 - k_1^2 k_6^2 k_{10}^2 k_{11}^2 k_{11}^2 k_{12}^2 - k_1^2 k_6^2 k_{10}^2 k_{11}^2 k_{11}$ $k_{1}^{2} k_{6}^{2} k_{10}^{2} k_{11} k_{12} k_{13}^{2} - k_{1}^{2} k_{6} k_{7}^{2} k_{8} k_{10}^{2} k_{13}^{2} - k_{1}^{2} k_{6} k_{7}^{2} k_{8} k_{10}^{2} k_{13} k_{14} - k_{1}^{2} k_{6} k_{7}^{2} k_{10}^{2} k_{12} k_{13}^{2} - k_{13}^{2} k_{13}^{2} k_{13}^{2} k_{14}^{2} - k_{13}^{2} k_{13}^{2} k_{14}^{2} - k_{13}^{2} k_{13}^{2} k_{13}^{2} k_{13}^{2} k_{13}^{2} k_{14}^{2} k_{15}^{2} k_{15}$ $k_1^2 k_6 k_7^2 k_{10}^2 k_{12} k_{13} k_{14} - 2 k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13}^2 - 2 k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{12} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{12} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{11} k_{12} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{12} k_{13} k_{14} k_{13} k_{14} - k_1^2 k_6 k_7 k_8 k_{10}^2 k_{12} k_{13} k_{14} k_{14} k_{15} k_$ $k_{10}^2 k_{11} k_{12} k_{13}^2 - k_1^2 k_6 k_7 k_{10}^2 k_{11} k_{12} k_{13} k_{14} - k_1^2 k_6 k_8 k_{10}^2 k_{11}^2 k_{13}^2 - k_1^2 k_6 k_8 k_{10}^2 k_{11}^2 k_{13} k_{14}$ $-k_1 k_2 k_3 k_4 k_5 k_6 k_7 k_8 k_9 k_{10} - 2 k_1 k_2 k_3 k_4 k_5 k_6 k_7 k_8 k_9 k_{11}$ $-k_1 k_2 k_3 k_4 k_5 k_6 k_7 k_8 k_{10} k_{11} - 2 k_1 k_2 k_3 k_4 k_5 k_6 k_7 k_9 k_{10} k_{11}$ $-k_1 k_2 k_3 k_4 k_5 k_6 k_7 k_9 k_{10} k_{12} - k_1 k_2 k_3 k_4 k_5 k_6 k_7 k_9 k_{11} k_{12}$ $-2k_1k_2k_3k_4k_5k_6k_7k_{10}k_{11}k_{12}-k_1k_2k_3k_4k_5k_6k_8k_9k_{10}k_{11}$ $-2k_1k_2k_3k_4k_5k_6k_8k_9k_{11}^2-k_1k_2k_3k_4k_5k_6k_8k_{10}k_{11}^2-2k_1k_2k_3k_4k_5k_6k_9k_{10}k_{11}^2$ $-2k_1k_2k_3k_4k_5k_6k_9k_{10}k_{11}k_{12}-k_1k_2k_3k_4k_5k_7k_8k_9k_{10}k_{11}$

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- \, k_{1} \, k_{2} \, k_{3} \, k_{4} \, k_{5} \, k_{7} \, k_{8} \, k_{9} \, k_{11} \, k_{14} - 2 \, k_{1} \, k_{2} \, k_{3} \, k_{4} \, k_{5} \, k_{7} \, k_{8} \, k_{10} \, k_{11} \, k_{14}
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$$-k_1 k_2 k_3 k_4 k_5 k_7 k_9 k_{10} k_{11} k_{12} - k_1 k_2 k_3 k_4 k_5 k_7 k_9 k_{11} k_{12} k_{14}$$

$$-2\,k_{1}\,k_{2}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{10}\,k_{11}\,k_{12}\,k_{14}-k_{1}\,k_{2}\,k_{3}\,k_{4}\,k_{5}\,k_{8}\,k_{9}\,k_{10}\,k_{11}^{2}-k_{1}\,k_{2}\,k_{3}\,k_{4}\,k_{5}\,k_{8}\,k_{9}$$

$$k_{11}^2 k_{14} - 2 k_1 k_2 k_3 k_4 k_5 k_8 k_{10} k_{11}^2 k_{14} - k_1 k_2 k_3 k_4 k_6^2 k_7 k_8 k_9 k_{10} - 2 k_1 k_2 k_3 k_4$$

$$k_{6}^{2} k_{7} k_{8} k_{9} k_{11} - k_{1} k_{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{8} k_{10} k_{11} - 2 k_{1} k_{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{9} k_{10} k_{11} - k_{1} k_{2} k_{3} k_{4}$$

$$k_{6}^{2} k_{7} k_{9} k_{10} k_{12} - k_{1} k_{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{9} k_{11} k_{12} - 2 k_{1} k_{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{10} k_{11} k_{12} - k_{1} k_{2} k_{3} k_{4}$$

$$k_{6}^{2} k_{8} k_{9} k_{10} k_{11} - 2 k_{1} k_{2} k_{3} k_{4} k_{6}^{2} k_{8} k_{9} k_{11}^{2} - k_{1} k_{2} k_{3} k_{4} k_{6}^{2} k_{8} k_{10} k_{11}^{2} - 2 k_{1} k_{2} k_{3} k_{4}$$

$$k_{6}^{2} k_{9} k_{10} k_{11}^{2} - 2 k_{1} k_{2} k_{3} k_{4} k_{6}^{2} k_{9} k_{10} k_{11} k_{12} - k_{1} k_{2} k_{3} k_{4} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11}$$

$$-k_1 k_2 k_3 k_4 k_6 k_7 k_8 k_9 k_{10} k_{14} - 3 k_1 k_2 k_3 k_4 k_6 k_7 k_8 k_9 k_{11} k_{14}$$

$$-3 k_1 k_2 k_3 k_4 k_6 k_7 k_8 k_{10} k_{11} k_{14} - k_1 k_2 k_3 k_4 k_6 k_7 k_9 k_{10} k_{11} k_{12}$$

$$-2k_{1}k_{2}k_{3}k_{4}k_{6}k_{7}k_{9}k_{10}k_{11}k_{14}-k_{1}k_{2}k_{3}k_{4}k_{6}k_{7}k_{9}k_{10}k_{12}k_{14}$$

$$-2\,k_{1}\,k_{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{9}\,k_{11}\,k_{12}\,k_{14}-4\,k_{1}\,k_{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{10}\,k_{11}\,k_{12}\,k_{14}$$

$$-k_{1} k_{2} k_{3} k_{4} k_{6} k_{8} k_{9} k_{10} k_{11}^{2} - k_{1} k_{2} k_{3} k_{4} k_{6} k_{8} k_{9} k_{10} k_{11} k_{14} - 3 k_{1} k_{2} k_{3} k_{4} k_{6} k_{8} k_{9}$$

$$k_{11}^2 k_{14} - 3 k_1 k_2 k_3 k_4 k_6 k_8 k_{10} k_{11}^2 k_{14} - 2 k_1 k_2 k_3 k_4 k_6 k_9 k_{10} k_{11}^2 k_{14}$$

$$-2k_{1}k_{2}k_{3}k_{4}k_{6}k_{9}k_{10}k_{11}k_{12}k_{14}-k_{1}k_{2}k_{3}k_{4}k_{7}k_{8}k_{9}k_{10}k_{11}k_{14}$$

$$-k_1 k_2 k_3 k_4 k_7 k_8 k_9 k_{11} k_{14}^2 - 2 k_1 k_2 k_3 k_4 k_7 k_8 k_{10} k_{11} k_{14}^2$$

$$-k_1 k_2 k_3 k_4 k_7 k_9 k_{10} k_{11} k_{12} k_{14} - k_1 k_2 k_3 k_4 k_7 k_9 k_{11} k_{12} k_{14}^2$$

$$-2k_1k_2k_3k_4k_7k_{10}k_{11}k_{12}k_{14}^2-k_1k_2k_3k_4k_8k_9k_{10}k_{11}^2k_{14}-k_1k_2k_3k_4k_8k_9k_{11}^2k_{14}^2$$

$$-2k_1k_2k_3k_4k_8k_{10}k_{11}^2k_{14}^2-k_1k_2k_4k_5k_6k_7^2k_8k_9k_{10}-2k_1k_2k_4k_5k_6k_7^2k_8k_9k_{13}$$

$$-k_1 k_2 k_4 k_5 k_6 k_7^2 k_8 k_{10} k_{13} - k_1 k_2 k_4 k_5 k_6 k_7^2 k_9 k_{10} k_{12} - 2 k_1 k_2 k_4 k_5 k_6 k_7^2 k_9 k_{12} k_{13}$$

$$-k_1 k_2 k_4 k_5 k_6 k_7^2 k_{10} k_{12} k_{13} - 2 k_1 k_2 k_4 k_5 k_6 k_7 k_8 k_9 k_{10} k_{11}$$

$$-4k_{1}k_{2}k_{4}k_{5}k_{6}k_{7}k_{8}k_{9}k_{11}k_{13}-2k_{1}k_{2}k_{4}k_{5}k_{6}k_{7}k_{8}k_{10}k_{11}k_{13}$$

$$-k_{1} k_{2} k_{4} k_{5} k_{6} k_{7} k_{9} k_{10} k_{11} k_{12} - 2 k_{1} k_{2} k_{4} k_{5} k_{6} k_{7} k_{9} k_{11} k_{12} k_{13}$$

$$-k_1 k_2 k_4 k_5 k_6 k_7 k_{10} k_{11} k_{12} k_{13} - k_1 k_2 k_4 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 - 2 k_1 k_2 k_4 k_5 k_6 k_8 k_9$$

$$k_{11}^{2}$$
 k_{13} - k_{1} k_{2} k_{4} k_{5} k_{6} k_{8} k_{10} k_{11}^{2} k_{13} - k_{1} k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9} k_{10} - 2 k_{1} k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9} k_{13}

$$-k_{1} k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{10} k_{13} - k_{1} k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{9} k_{10} k_{12} - 2 k_{1} k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{9} k_{10} k_{13} - k_{1} k_{2} k_{4}$$

$$k_{6}^{2} \, k_{7}^{2} \, k_{9} \, k_{12} \, k_{13} \, - \, 2 \, k_{1} \, k_{2} \, k_{4} \, k_{6}^{2} \, k_{7}^{2} \, k_{10} \, k_{12} \, k_{13} \, - \, 2 \, k_{1} \, k_{2} \, k_{4} \, k_{6}^{2} \, k_{7} \, k_{8} \, k_{9} \, k_{10} \, k_{11} \, - \, 4 \, k_{1} \, k_{2} \, k_{4} \, k_{10}^{2} \, k_{11} \, - \, 4 \, k_{1} \, k_{2} \, k_{4} \, k_{11}^{2} \, k_{12} \, k_{13} \, - \, 2 \, k_{11} \, k_{12} \, k_$$

 $k_{6}^{2} \, k_{7} \, k_{8} \, k_{9} \, k_{11} \, k_{13} - 2 \, k_{1} \, k_{2} \, k_{4} \, k_{6}^{2} \, k_{7} \, k_{8} \, k_{10} \, k_{11} \, k_{13} - k_{1} \, k_{2} \, k_{4} \, k_{6}^{2} \, k_{7} \, k_{9} \, k_{10} \, k_{11} \, k_{12}$ $-4k_1k_2k_4k_6^2k_7k_9k_{10}k_{11}k_{13}-2k_1k_2k_4k_6^2k_7k_9k_{10}k_{12}k_{13}-k_1k_2k_4$ $k_{6}^{2} k_{7} k_{9} k_{11} k_{12} k_{13} - 2 k_{1} k_{2} k_{4} k_{6}^{2} k_{7} k_{10} k_{11} k_{12} k_{13} - k_{1} k_{2} k_{4} k_{6}^{2} k_{8} k_{9} k_{10} k_{11}^{2} - 2 k_{1} k_{2} k_{4}$ $k_{6}^{2} k_{8} k_{9} k_{11}^{2} k_{13} - k_{1} k_{2} k_{4} k_{6}^{2} k_{8} k_{10} k_{11}^{2} k_{13} - 2 k_{1} k_{2} k_{4} k_{6}^{2} k_{9} k_{10} k_{11}^{2} k_{13} - 2 k_{1} k_{2} k_{4}$ $k_6^2 k_9 k_{10} k_{11} k_{12} k_{13} - 2 k_1 k_2 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{13} - k_1 k_2 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{14}$ $-k_1 k_2 k_4 k_6 k_7^2 k_8 k_9 k_{13} k_{14} - 2 k_1 k_2 k_4 k_6 k_7^2 k_8 k_{10} k_{13} k_{14} - 2 k_1 k_2 k_4 k_6$ $k_{7}^{2}\,k_{9}\,k_{10}\,k_{12}\,k_{13}-k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{9}\,k_{10}\,k_{12}\,k_{14}-k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{9}\,k_{12}\,k_{13}\,k_{14}-2\,k_{1}\,k_{2}\,k_{4}\,k_{6}$ $k_7^2 k_{10} k_{12} k_{13} k_{14} - 4 k_1 k_2 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{13} - 2 k_1 k_2 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{14}$ $-2k_1k_2k_4k_6k_7k_8k_9k_{11}k_{13}k_{14}-4k_1k_2k_4k_6k_7k_8k_{10}k_{11}k_{13}k_{14}$ $-2k_{1}k_{2}k_{4}k_{6}k_{7}k_{9}k_{10}k_{11}k_{12}k_{13}-k_{1}k_{2}k_{4}k_{6}k_{7}k_{9}k_{10}k_{11}k_{12}k_{14}$ $- \, k_{1} \, k_{2} \, k_{4} \, k_{6} \, k_{7} \, k_{9} \, k_{11} \, k_{12} \, k_{13} \, k_{14} - 2 \, k_{1} \, k_{2} \, k_{4} \, k_{6} \, k_{7} \, k_{10} \, k_{11} \, k_{12} \, k_{13} \, k_{14}$ $-2\,k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{8}\,k_{9}\,k_{10}\,k_{11}^{2}\,k_{13}-k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{8}\,k_{9}\,k_{10}\,k_{11}^{2}\,k_{14}-k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{8}\,k_{9}\,k_{11}^{2}\,k_{13}\,k_{14}$ $-2\,k_{1}\,k_{2}\,k_{4}\,k_{6}\,k_{8}\,k_{10}\,k_{11}^{2}\,k_{13}\,k_{14}-k_{1}\,k_{3}^{2}\,k_{4}\,k_{5}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{10}-2\,k_{1}\,k_{3}^{2}\,k_{4}\,k_{5}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{11}$ $-k_1 k_3^2 k_4 k_5 k_6 k_7 k_8 k_{10} k_{11} - 2 k_1 k_3^2 k_4 k_5 k_6 k_7 k_9 k_{10} k_{11} - k_1 k_3^2 k_4 k_5 k_6 k_7 k_9 k_{10} k_{12}$ $-k_1 k_3^2 k_4 k_5 k_6 k_7 k_9 k_{11} k_{12} - 2 k_1 k_3^2 k_4 k_5 k_6 k_7 k_{10} k_{11} k_{12} - k_1 k_3^2 k_4 k_5 k_6 k_8 k_9 k_{10} k_{11}$ $-2k_1k_3^2k_4k_5k_6k_8k_9k_{11}^2-k_1k_3^2k_4k_5k_6k_8k_{10}k_{11}^2-2k_1k_3^2k_4k_5k_6k_9k_{10}k_{11}^2-2k_1$ $k_3^2 k_4 k_5 k_6 k_9 k_{10} k_{11} k_{12} - k_1 k_3^2 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} - k_1 k_3^2 k_4 k_5 k_7 k_8 k_9 k_{11} k_{14} - 2 k_1$ $k_3^2 k_4 k_5 k_8 k_9 k_{11}^2 k_{14} - k_1 k_3^2 k_4 k_5 k_8 k_{10} k_{11}^2 k_{14} - 2 k_1 k_3^2 k_4 k_5 k_9 k_{10} k_{11}^2 k_{14} - 2 k_1$ $k_3^2 k_4 k_5 k_9 k_{10} k_{11} k_{12} k_{14} - k_1 k_3^2 k_4 k_6^2 k_7 k_8 k_9 k_{10} - 2 k_1 k_3^2 k_4 k_6^2 k_7 k_8 k_9 k_{11} - k_1 k_3^2 k_4$ $k_{6}^{2} k_{7} k_{8} k_{10} k_{11} - 2 k_{1} k_{3}^{2} k_{4} k_{6}^{2} k_{7} k_{9} k_{10} k_{11} - k_{1} k_{3}^{2} k_{4} k_{6}^{2} k_{7} k_{9} k_{10} k_{12} - k_{1} k_{3}^{2} k_{4}$ $k_{6}^{2} k_{7} k_{9} k_{11} k_{12} - 2 k_{1} k_{3}^{2} k_{4} k_{6}^{2} k_{7} k_{10} k_{11} k_{12} - k_{1} k_{3}^{2} k_{4} k_{6}^{2} k_{8} k_{9} k_{10} k_{11} - 2 k_{1} k_{3}^{2} k_{4} k_{6}^{2} k_{8} k_{9}$ $k_{11}^2 - k_1 k_3^2 k_4 k_6^2 k_8 k_{10} k_{11}^2 - 2 k_1 k_3^2 k_4 k_6^2 k_9 k_{10} k_{11}^2 - 2 k_1 k_3^2 k_4 k_6^2 k_9 k_{10} k_{11} k_{12} - k_1$ $k_{3}^{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}-k_{1}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{14}-3\,k_{1}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{11}\,k_{14}-3\,k_{1}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}\,k_{14}^{2}-3\,k_{11}^{2}\,k_{14}^{2}-3\,k_{12}^{2}\,k_{14}^{2}-3\,k_{12}^{2}\,k_{14}^{2}\,k_{14}^{2}-3\,k_{12}^{$ $k_3^2 k_4 k_6 k_7 k_8 k_{10} k_{11} k_{14} - k_1 k_3^2 k_4 k_6 k_7 k_9 k_{10} k_{11} k_{12} - 2 k_1 k_3^2 k_4 k_6 k_7 k_9 k_{10} k_{11} k_{14} - k_1$ $k_3^2 k_4 k_6 k_7 k_9 k_{10} k_{12} k_{14} - 2 k_1 k_3^2 k_4 k_6 k_7 k_9 k_{11} k_{12} k_{14} - 4 k_1 k_3^2 k_4 k_6 k_7 k_{10} k_{11} k_{12} k_{14}$

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-k_1 k_3^2 k_4 k_6 k_8 k_9 k_{10} k_{11}^2 - 3 k_1 k_3^2 k_4 k_6 k_8 k_9 k_{10} k_{11} k_{14} - 4 k_1 k_3^2 k_4 k_6 k_8 k_9 k_{11}^2 k_{14}
 -2\,k_{1}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}\,k_{10}\,k_{11}^{2}\,k_{14}-4\,k_{1}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{9}\,k_{10}\,k_{11}^{2}\,k_{14}-4\,k_{1}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{14}
 -k_1 k_3^2 k_4 k_7 k_8 k_9 k_{10} k_{11} k_{14} - k_1 k_3^2 k_4 k_7 k_8 k_9 k_{11} k_{14}^2 - 2 k_1 k_3^2 k_4 k_7 k_8 k_{10} k_{11} k_{14}^2 - k_1
k_{3}^{2} k_{4} k_{7} k_{9} k_{10} k_{11} k_{12} k_{14} - k_{1} k_{3}^{2} k_{4} k_{7} k_{9} k_{11} k_{12} k_{14}^{2} - 2 k_{1} k_{3}^{2} k_{4} k_{7} k_{10} k_{11} k_{12} k_{14}^{2} - k_{1}
k_3^2 k_4 k_8 k_9 k_{10} k_{11}^2 k_{14} - 2 k_1 k_3^2 k_4 k_8 k_9 k_{10} k_{11} k_{14}^2 - 2 k_1 k_3^2 k_4 k_8 k_9 k_{11}^2 k_{14}^2 - k_1
k_3^2 k_4 k_8 k_{10} k_{11}^2 k_{14}^2 - 2 k_1 k_3^2 k_4 k_9 k_{10} k_{11}^2 k_{14}^2 - 2 k_1 k_3^2 k_4 k_9 k_{10} k_{11} k_{12} k_{14}^2 - k_1 k_3 k_4 k_5 k_6
k_7^2 k_8 k_9 k_{10} - 2 k_1 k_3 k_4 k_5 k_6 k_7^2 k_8 k_9 k_{13} - k_1 k_3 k_4 k_5 k_6 k_7^2 k_8 k_{10} k_{13} - k_1 k_3 k_4 k_5 k_6
k_7^2 k_9 k_{10} k_{12} - 2 k_1 k_3 k_4 k_5 k_6 k_7^2 k_9 k_{12} k_{13} - k_1 k_3 k_4 k_5 k_6 k_7^2 k_{10} k_{12} k_{13}
 -2k_1k_3k_4k_5k_6k_7k_8k_9k_{10}k_{11}-k_1k_3k_4k_5k_6k_7k_8k_9k_{10}k_{13}
 -6k_1k_3k_4k_5k_6k_7k_8k_9k_{11}k_{13}-3k_1k_3k_4k_5k_6k_7k_8k_{10}k_{11}k_{13}
 -k_1 k_3 k_4 k_5 k_6 k_7 k_9 k_{10} k_{11} k_{12} - 2 k_1 k_3 k_4 k_5 k_6 k_7 k_9 k_{10} k_{11} k_{13}
 -k_1 k_3 k_4 k_5 k_6 k_7 k_9 k_{10} k_{12} k_{13} - 3 k_1 k_3 k_4 k_5 k_6 k_7 k_9 k_{11} k_{12} k_{13}
 -3 k_1 k_3 k_4 k_5 k_6 k_7 k_{10} k_{11} k_{12} k_{13} - k_1 k_3 k_4 k_5 k_6 k_8 k_9 k_{10} k_{11}^2
 -k_1 k_3 k_4 k_5 k_6 k_8 k_9 k_{10} k_{11} k_{13} - 4 k_1 k_3 k_4 k_5 k_6 k_8 k_9 k_{11}^2 k_{13} - 2 k_1 k_3 k_4 k_5 k_6 k_8 k_{10}
k_{11}^2 k_{13} - 2 k_1 k_3 k_4 k_5 k_6 k_9 k_{10} k_{11}^2 k_{13} - 2 k_1 k_3 k_4 k_5 k_6 k_9 k_{10} k_{11} k_{12} k_{13}
 -k_1 k_3 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{13} - 2 k_1 k_3 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{14}
 -2k_{1}k_{3}k_{4}k_{5}k_{7}k_{8}k_{9}k_{11}k_{13}k_{14}-k_{1}k_{3}k_{4}k_{5}k_{7}k_{8}k_{10}k_{11}k_{13}k_{14}
 -k_1 k_3 k_4 k_5 k_7 k_0 k_{10} k_{11} k_{12} k_{13} - 2 k_1 k_3 k_4 k_5 k_7 k_0 k_{10} k_{11} k_{12} k_{14}
 -2k_{1}k_{3}k_{4}k_{5}k_{7}k_{9}k_{11}k_{12}k_{13}k_{14}-k_{1}k_{3}k_{4}k_{5}k_{7}k_{10}k_{11}k_{12}k_{13}k_{14}
 -k_1 k_2 k_4 k_5 k_6 k_0 k_{10} k_{11}^2 k_{12} - 2 k_1 k_2 k_4 k_5 k_8 k_0 k_{10} k_{11}^2 k_{14} - 2 k_1 k_2 k_4 k_5 k_8 k_0
k_{11}^{2} k_{13} k_{14} - k_{1} k_{3} k_{4} k_{5} k_{8} k_{10} k_{11}^{2} k_{13} k_{14} - k_{1} k_{3} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9} k_{10} - 2 k_{1} k_{3} k_{4} k_{6}^{2}
k_7^2 k_8 k_9 k_{13} - k_1 k_3 k_4 k_6^2 k_7^2 k_8 k_{10} k_{13} - k_1 k_3 k_4 k_6^2 k_7^2 k_9 k_{10} k_{12} - 2 k_1 k_3 k_4 k_6^2 k_7^2 k_9 k_{10} k_{13}
 -\,k_{1}\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}^{2}\,k_{9}\,k_{12}\,k_{13}\,-\,2\,k_{1}\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}^{2}\,k_{10}\,k_{12}\,k_{13}\,-\,2\,k_{1}\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}
 -k_1 k_3 k_4 k_6^2 k_7 k_8 k_9 k_{10} k_{13} - 6 k_1 k_3 k_4 k_6^2 k_7 k_8 k_9 k_{11} k_{13} - 3 k_1 k_3 k_4 k_6^2 k_7 k_8 k_{10} k_{11} k_{13}
 -k_1 k_2 k_4 k_6^2 k_7 k_0 k_{10} k_{11} k_{12} - 6 k_1 k_3 k_4 k_6^2 k_7 k_0 k_{10} k_{11} k_{13} - 3 k_1 k_3 k_4
k_6^2 k_7 k_9 k_{10} k_{12} k_{13} - 2 k_1 k_3 k_4 k_6^2 k_7 k_9 k_{11} k_{12} k_{13} - 4 k_1 k_3 k_4 k_6^2 k_7 k_{10} k_{11} k_{12} k_{13}
 -k_1 k_3 k_4 k_6^2 k_8 k_9 k_{10} k_{11}^2 - k_1 k_3 k_4 k_6^2 k_8 k_9 k_{10} k_{11} k_{13} - 4 k_1 k_3 k_4 k_6^2 k_8 k_9 k_{11}^2 k_{13}
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-2k_1k_3k_4k_6^2k_8k_{10}k_{11}^2k_{13} - 4k_1k_3k_4k_6^2k_9k_{10}k_{11}^2k_{13} - 4k_1k_3k_4k_6^2k_9k_{10}k_{11}k_{12}k_{13}
 -2\,k_{1}\,k_{3}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{13}-k_{1}\,k_{3}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{10}\,k_{14}-k_{1}\,k_{3}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{13}\,k_{14}
 -2k_1k_3k_4k_6k_7^2k_8k_{10}k_{13}k_{14}-2k_1k_3k_4k_6k_7^2k_9k_{10}k_{12}k_{13}-k_1k_3k_4k_6
k_7^2 k_9 k_{10} k_{12} k_{14} - k_1 k_3 k_4 k_6 k_7^2 k_9 k_{12} k_{13} k_{14} - 2 k_1 k_3 k_4 k_6 k_7^2 k_{10} k_{12} k_{13} k_{14}
 -5k_1k_3k_4k_6k_7k_8k_9k_{10}k_{11}k_{13}-4k_1k_3k_4k_6k_7k_8k_9k_{10}k_{11}k_{14}
 -2k_1k_3k_4k_6k_7k_8k_9k_{10}k_{13}k_{14}-5k_1k_3k_4k_6k_7k_8k_9k_{11}k_{13}k_{14}
 -4k_{1}k_{3}k_{4}k_{6}k_{7}k_{8}k_{10}k_{11}k_{13}k_{14}-3k_{1}k_{3}k_{4}k_{6}k_{7}k_{9}k_{10}k_{11}k_{12}k_{13}
 -3k_{1}k_{3}k_{4}k_{6}k_{7}k_{9}k_{10}k_{11}k_{12}k_{14}-4k_{1}k_{3}k_{4}k_{6}k_{7}k_{9}k_{10}k_{11}k_{13}k_{14}
 -2k_1k_3k_4k_6k_7k_9k_{10}k_{12}k_{13}k_{14}-2k_1k_3k_4k_6k_7k_9k_{11}k_{12}k_{13}k_{14}
 -4\,k_{1}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{10}\,k_{11}\,k_{12}\,k_{13}\,k_{14}-3\,k_{1}\,k_{3}\,k_{4}\,k_{6}\,k_{8}\,k_{9}\,k_{10}\,k_{11}^{2}\,k_{13}
 -3 k_1 k_3 k_4 k_6 k_8 k_9 k_{10} k_{11}^2 k_{14} - 2 k_1 k_3 k_4 k_6 k_8 k_9 k_{10} k_{11} k_{13} k_{14} - 4 k_1 k_3 k_4 k_6 k_8 k_9
k_{11}^2 k_{13} k_{14} - 2 k_1 k_3 k_4 k_6 k_8 k_{10} k_{11}^2 k_{13} k_{14} - 4 k_1 k_3 k_4 k_6 k_9 k_{10} k_{11}^2 k_{13} k_{14}
 -4k_{1}k_{3}k_{4}k_{6}k_{9}k_{10}k_{11}k_{12}k_{13}k_{14}-2k_{1}k_{3}k_{4}k_{7}k_{8}k_{9}k_{10}k_{11}k_{13}k_{14}
 -2k_1k_3k_4k_7k_8k_9k_{10}k_{11}k_{14}^2-2k_1k_3k_4k_7k_9k_{10}k_{11}k_{12}k_{13}k_{14}
 -2k_1k_3k_4k_7k_9k_{10}k_{11}k_{12}k_{14}^2-2k_1k_3k_4k_8k_9k_{10}k_{11}^2k_{13}k_{14}-2k_1k_3k_4k_8k_9k_{10}k_{11}^2
k_{14}^2 - k_1 k_4 k_5 k_6 k_7^2 k_8 k_9 k_{10} k_{13} - 2 k_1 k_4 k_5 k_6 k_7^2 k_8 k_9 k_{13}^2 - k_1 k_4 k_5 k_6 k_7^2 k_8 k_{10} k_{13}^2
 -k_1 k_4 k_5 k_6 k_7^2 k_9 k_{10} k_{12} k_{13} - 2 k_1 k_4 k_5 k_6 k_7^2 k_9 k_{12} k_{13}^2 - k_1 k_4 k_5 k_6 k_7^2 k_{10} k_{12} k_{13}^2
 -2k_1k_4k_5k_6k_7k_8k_9k_{10}k_{11}k_{13}-4k_1k_4k_5k_6k_7k_8k_9k_{11}k_{13}^2
 -2k_1k_4k_5k_6k_7k_8k_{10}k_{11}k_{13}^2-k_1k_4k_5k_6k_7k_9k_{10}k_{11}k_{12}k_{13}
 -2k_1k_4k_5k_6k_7k_9k_{11}k_{12}k_{13}^2-k_1k_4k_5k_6k_7k_{10}k_{11}k_{12}k_{13}^2-k_1k_4k_5k_6k_8k_9k_{10}
k_{11}^{2} k_{13} - 2 k_{1} k_{4} k_{5} k_{6} k_{8} k_{9} k_{11}^{2} k_{13}^{2} - k_{1} k_{4} k_{5} k_{6} k_{8} k_{10} k_{11}^{2} k_{13}^{2} - k_{1} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9} k_{10} k_{13}
 -2k_1k_4k_6^2k_7^2k_8k_9k_{13}^2-k_1k_4k_6^2k_7^2k_8k_{10}k_{13}^2-k_1k_4k_6^2k_7^2k_9k_{10}k_{12}k_{13}-2k_1k_4k_6^2
k_7^2 k_9 k_{10} k_{13}^2 - k_1 k_4 k_6^2 k_7^2 k_9 k_{12} k_{13}^2 - 2 k_1 k_4 k_6^2 k_7^2 k_{10} k_{12} k_{13}^2 - 2 k_1 k_4
k_{6}^{2} k_{7} k_{8} k_{9} k_{10} k_{11} k_{13} - 4 k_{1} k_{4} k_{6}^{2} k_{7} k_{8} k_{9} k_{11} k_{13}^{2} - 2 k_{1} k_{4} k_{6}^{2} k_{7} k_{8} k_{10} k_{11} k_{13}^{2} - k_{1} k_{4}
k_{6}^{2} k_{7} k_{9} k_{10} k_{11} k_{12} k_{13} - 4 k_{1} k_{4} k_{6}^{2} k_{7} k_{9} k_{10} k_{11} k_{13}^{2} - 2 k_{1} k_{4} k_{6}^{2} k_{7} k_{9} k_{10} k_{17} k_{13}^{2} - k_{1} k_{4}
k_6^2 k_7 k_9 k_{11} k_{12} k_{13}^2 - 2 k_1 k_4 k_6^2 k_7 k_{10} k_{11} k_{12} k_{13}^2 - k_1 k_4 k_6^2 k_8 k_9 k_{10} k_{11}^2 k_{13} - 2 k_1 k_4
k_6^2 k_8 k_9 k_{11}^2 k_{13}^2 - k_1 k_4 k_6^2 k_8 k_{10} k_{11}^2 k_{13}^2 - 2 k_1 k_4 k_6^2 k_9 k_{10} k_{11}^2 k_{13}^2 - 2 k_1 k_4
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 $k_{6}^{2} \, k_{9} \, k_{10} \, k_{11} \, k_{12} \, k_{13}^{2} - 2 \, k_{1} \, k_{4} \, k_{6} \, k_{7}^{2} \, k_{8} \, k_{9} \, k_{10} \, k_{13}^{2} - 2 \, k_{1} \, k_{4} \, k_{6} \, k_{7}^{2} \, k_{8} \, k_{9} \, k_{10} \, k_{13} \, k_{14}$ $-2k_1k_4k_6k_7^2k_9k_{10}k_{12}k_{13}^2-2k_1k_4k_6k_7^2k_9k_{10}k_{12}k_{13}k_{14}-4k_1k_4k_6k_7k_8k_9k_{10}k_{11}$ $k_{13}^2 - 4 k_1 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{13} k_{14} - 2 k_1 k_4 k_6 k_7 k_9 k_{10} k_{11} k_{12} k_{13}^2$ $-2k_1k_4k_6k_7k_9k_{10}k_{11}k_{12}k_{13}k_{14}-2k_1k_4k_6k_8k_9k_{10}k_{11}^2k_{13}^2-2k_1k_4k_6k_8k_9k_{10}$ $k_{11}^2 k_{13} k_{14} - k_2^2 k_4^2 k_6^2 k_7^2 k_9^2 - k_2^2 k_4^2 k_6^2 k_7^2 k_9 k_{12} - 2 k_2^2 k_4^2 k_6^2 k_7 k_9^2 k_{11} - k_2^2 k_4^2 k_6^2 k_7 k_9^2 k_{12}$ $k_{2}^{2} k_{4}^{2} k_{6}^{2} k_{7} k_{9} k_{11} k_{12} - k_{2}^{2} k_{4}^{2} k_{6}^{2} k_{9}^{2} k_{11}^{2} - k_{2}^{2} k_{4}^{2} k_{6}^{2} k_{9}^{2} k_{11} k_{12} - k_{2}^{2} k_{4}^{2} k_{6} k_{7}^{2} k_{8} k_{9}^{2} - k_{2}^{2} k_{4}^{2} k_{6}$ $k_7^2 k_8 k_9 k_{14} - k_2^2 k_4^2 k_6 k_7^2 k_9^2 k_{12} - k_2^2 k_4^2 k_6 k_7^2 k_9 k_{12} k_{14} - 2 k_2^2 k_4^2 k_6 k_7 k_8 k_9^2 k_{11} - 2 k_2^2$ $k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{14} - k_2^2 k_4^2 k_6 k_7 k_9^2 k_{11} k_{12} - k_2^2 k_4^2 k_6 k_7 k_9 k_{11} k_{12} k_{14} - k_2^2 k_4^2 k_6 k_8 k_9^2 k_{11}^2$ $-k_2^2 k_4^2 k_6 k_8 k_9 k_{11}^2 k_{14} - 2 k_2 k_3 k_4^2 k_6^2 k_7^2 k_9^2 - 2 k_2 k_3 k_4^2 k_6^2 k_7^2 k_9 k_{12} - 4 k_2 k_3 k_4^2 k_6^2 k_7$ $k_{9}^{2} k_{11} - 2 k_{2} k_{3} k_{4}^{2} k_{6}^{2} k_{7} k_{9}^{2} k_{12} - 2 k_{2} k_{3} k_{4}^{2} k_{6}^{2} k_{7} k_{9} k_{11} k_{12} - 2 k_{2} k_{3} k_{4}^{2} k_{6}^{2} k_{9}^{2} k_{11}^{2} - 2 k_{2} k_{3}$ $k_4^2 k_6^2 k_9^2 k_{11} k_{12} - 2 k_2 k_3 k_4^2 k_6 k_7^2 k_8 k_9^2 - 2 k_2 k_3 k_4^2 k_6 k_7^2 k_8 k_9 k_{14} - 2 k_2 k_3 k_4^2 k_6 k_7^2 k_9^2 k_{12}$ $-2k_2k_3k_4^2k_6k_7^2k_9k_{12}k_{14}-4k_2k_3k_4^2k_6k_7k_8k_9^2k_{11}-k_2k_3k_4^2k_6k_7k_8k_9^2k_{14}-3k_2k_3$ $k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{14} - 2 k_2 k_3 k_4^2 k_6 k_7 k_9^2 k_{11} k_{12} - 2 k_2 k_3 k_4^2 k_6 k_7 k_9^2 k_{11} k_{14} - k_2 k_3$ $k_{4}^{2} \, k_{6} \, k_{7} \, k_{9}^{2} \, k_{12} \, k_{14} - 3 \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{6} \, k_{7} \, k_{9} \, k_{11} \, k_{12} \, k_{14} - 2 \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{6} \, k_{8} \, k_{9}^{2} \, k_{11}^{2} - k_{5} \, k_{3} \, k_{4}^{2} \, k_{6} \, k_{8}$ $k_{9}^{2} k_{11} k_{14} - k_{2} k_{3} k_{4}^{2} k_{6} k_{8} k_{9} k_{11}^{2} k_{14} - 2 k_{2} k_{3} k_{4}^{2} k_{6} k_{9}^{2} k_{11}^{2} k_{14} - 2 k_{2} k_{3} k_{4}^{2} k_{6} k_{9}^{2} k_{11}^{2} k_{14} - 2 k_{2} k_{3} k_{4}^{2} k_{6} k_{9}^{2} k_{11} k_{12} k_{14}$ $-k_{2}k_{3}k_{4}^{2}k_{7}k_{8}k_{9}^{2}k_{11}k_{14}-k_{2}k_{3}k_{4}^{2}k_{7}k_{8}k_{9}k_{11}k_{14}^{2}-k_{2}k_{3}k_{4}^{2}k_{7}k_{9}^{2}k_{11}k_{12}k_{14}-k_{2}k_{3}$ $k_4^2 k_7 k_9 k_{11} k_{12} k_{14}^2 - k_2 k_3 k_4^2 k_8 k_9^2 k_{11}^2 k_{14} - k_2 k_3 k_4^2 k_8 k_9 k_{11}^2 k_{14}^2 - 2 k_2 k_4^2 k_6^2 k_7^2 k_9^2 k_{13}$ $-2k_{2}k_{4}^{2}k_{6}^{2}k_{7}^{2}k_{9}k_{12}k_{13}-4k_{2}k_{4}^{2}k_{6}^{2}k_{7}k_{9}^{2}k_{11}k_{13}-2k_{2}k_{4}^{2}k_{6}^{2}k_{7}k_{9}^{2}k_{12}k_{13}-2k_{2}k_{4}^{2}$ $k_{6}^{2} k_{7} k_{9} k_{11} k_{12} k_{13} - 2 k_{2} k_{4}^{2} k_{6}^{2} k_{9}^{2} k_{11}^{2} k_{13} - 2 k_{2} k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{8} k_{11} k_{12} k_{13} - 2 k_{2} k_{4}^{2} k_{6} k_{7}^{2} k_{8}$ $k_9^2\,k_{1\,3}^{} - k_2^{}\,k_4^2\,k_6^{}\,k_7^2\,k_8^{}\,k_9^2\,k_{14}^{} - k_2^{}\,k_4^2\,k_6^{}\,k_7^2\,k_8^{}\,k_9^{}\,k_{13}^{}\,k_{14}^{} - 2\,k_2^{}\,k_4^2\,k_6^{}\,k_7^2\,k_9^2\,k_{12}^{}\,k_{13}^{} - k_2^{}\,k_4^2\,k_6^{}\,k_7^2\,k_8^2\,k_9^2\,k_{14}^{} - k_2^{}\,k_4^2\,k_6^2\,k_9^2\,k_{13}^{}\,k_{14}^{} - 2\,k_2^{}\,k_4^2\,k_6^2\,k_9^2\,k_{12}^{}\,k_{13}^{} - k_2^{}\,k_4^2\,k_6^2\,k_9^2\,k_{14}^{} - k_2^{}\,k_4^2\,k_6^2\,k_9^2\,k_{13}^{}\,k_{14}^{} - k_2^{}\,k_4^2\,k_6^2\,k_9^2\,k_{14}^{} - k_2^{}\,k_4^2\,k_6^2\,k_9^2\,k_{13}^{}\,k_{14}^{} - k_2^{}\,k_8^2\,k_9^2\,k_{14}^{} - k_2^{}\,k_9^2\,k_9^2\,k_{14}^{} - k_2^{}\,k_9^2\,k_9^2\,k_{14}^{} - k_2^{}\,k_9^2\,k_9$ $k_7^2 k_9^2 k_{12} k_{14} - k_2 k_4^2 k_6 k_7^2 k_9 k_{12} k_{13} k_{14} - 4 k_2 k_4^2 k_6 k_7 k_8 k_9^2 k_{11} k_{13} - 2 k_2 k_4^2 k_6 k_7 k_8$ $k_9^2 k_{11} k_{14} - 2 k_2 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{13} k_{14} - 2 k_2 k_4^2 k_6 k_7 k_9^2 k_{11} k_{12} k_{13} - k_2 k_4^2 k_6 k_7$ $k_9^2\,k_{11}\,k_{12}\,k_{14} - k_2\,k_4^2\,k_6\,k_7\,k_9\,k_{11}\,k_{12}\,k_{13}\,k_{14} - 2\,k_2\,k_4^2\,k_6\,k_8\,k_9^2\,k_{11}^2\,k_{13} - k_2\,k_4^2\,k_6\,k_8\,k_9^2$ $k_{11}^2 k_{14} - k_2 k_4^2 k_6 k_8 k_9 k_{11}^2 k_{13} k_{14} - k_3^2 k_4^2 k_6^2 k_7^2 k_9^2 - k_3^2 k_4^2 k_6^2 k_7^2 k_9 k_{12} - 2 k_3^2 k_4^2 k_6^2 k_7 k_9 k_{11}$ $-k_{3}^{2}k_{4}^{2}k_{6}^{2}k_{7}k_{9}^{2}k_{12}-k_{3}^{2}k_{4}^{2}k_{6}^{2}k_{7}k_{9}k_{11}k_{12}-k_{3}^{2}k_{4}^{2}k_{6}^{2}k_{9}^{2}k_{11}^{2}-k_{3}^{2}k_{4}^{2}k_{6}^{2}k_{9}^{2}k_{11}k_{12}-k_{3}^{2}k_{9}^{2}k_{9}^{2}k_{11}k_{12}-k_{3}^{2}k_{9}^{2}k_{9}^{2}k_{11}k_{12}-k_{3}^{2}k_{9}^{2}k_{9}^{2}k_{9}^{2}k_{9}^{2}k_{9}^{2}k_{11}k_{12}-k_{3}^{2}k_{9}^$ $k_4^2 k_6 k_7 k_8 k_9^2 k_{11} - k_3^2 k_4^2 k_6 k_7 k_8 k_9^2 k_{14} - k_3^2 k_4^2 k_6 k_7 k_8 k_9 k_{11} k_{14} - k_3^2 k_4^2 k_6 k_7 k_9^2 k_{11} k_{12}$

 $-2k_3^2k_4^2k_6k_7k_9^2k_{11}k_{14}-k_3^2k_4^2k_6k_7k_9^2k_{12}k_{14}-2k_3^2k_4^2k_6k_7k_9k_{11}k_{12}k_{14}-k_3^2$ $k_{4}^{2} k_{6} k_{8} k_{9}^{2} k_{11}^{2} - k_{3}^{2} k_{4}^{2} k_{6} k_{8} k_{9}^{2} k_{11} k_{14} - 2 k_{3}^{2} k_{4}^{2} k_{6} k_{9}^{2} k_{11}^{2} k_{14} - 2 k_{3}^{2} k_{4}^{2} k_{6} k_{9}^{2} k_{11} k_{12} k_{14} - 2 k_{3}^{2} k_{4}^{2} k_{6} k_{9}^{2} k_{11} k_{12} k_{14} - 2 k_{3}^{2} k_{4}^{2} k_{6} k_{9}^{2} k_{11} k_{12} k_{14} - 2 k_{3}^{2} k_{4}^{2} k_{6} k_{9}^{2} k_{11}^{2} k_{14} + 2 k_{3}^{2} k_{14}^{2} k_{14} k_{14} + 2 k_$ $k_3^2 k_4^2 k_7 k_8 k_9^2 k_{11} k_{14} - k_3^2 k_4^2 k_7 k_8 k_9 k_{11} k_{14}^2 - k_3^2 k_4^2 k_7 k_9^2 k_{11} k_{12} k_{14} - k_3^2 k_4^2 k_7 k_9 k_{11} k_{12}$ $k_{14}^2 - k_3^2 k_4^2 k_8 k_9^2 k_{11}^2 k_{14} - k_3^2 k_4^2 k_8 k_9^2 k_{11} k_{14}^2 - k_3^2 k_4^2 k_9^2 k_{11}^2 k_{14}^2 - k_3^2 k_4^2 k_9^2 k_{11} k_{12} k_{14}^2$ $-2k_3k_4^2k_6^2k_7^2k_9^2k_{13} - 2k_3k_4^2k_6^2k_7^2k_9k_{12}k_{13} - 4k_3k_4^2k_6^2k_7k_9k_{11}k_{13} - 2k_3k_4^2k_6^2k_7$ $k_9^2 k_{12} k_{13} - 2 k_3 k_4^2 k_6^2 k_7 k_9 k_{11} k_{12} k_{13} - 2 k_3 k_4^2 k_6^2 k_9^2 k_{11}^2 k_{13} - 2 k_3 k_4^2 k_6^2 k_9^2 k_{11} k_{12} k_{13}$ $-2\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}^{2}\,k_{13}-k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}^{2}\,k_{14}-k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{13}\,k_{14}-2\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}$ $k_{9}^{2} k_{12} k_{13} - k_{3} k_{4}^{2} k_{6} k_{7}^{2} k_{9}^{2} k_{12} k_{14} - k_{3} k_{4}^{2} k_{6} k_{7}^{2} k_{9} k_{12} k_{13} k_{14} - 4 k_{3} k_{4}^{2} k_{6} k_{7} k_{8} k_{9}^{2} k_{11} k_{13}$ $-2k_3k_4^2k_6k_7k_8k_9^2k_{11}k_{14}-k_3k_4^2k_6k_7k_8k_9^2k_{13}k_{14}-k_3k_4^2k_6k_7k_8k_9k_{11}k_{13}k_{14}$ $-2k_3k_4^2k_6k_7k_9^2k_{11}k_{12}k_{13}-k_3k_4^2k_6k_7k_9^2k_{11}k_{12}k_{14}-2k_3k_4^2k_6k_7k_9^2k_{11}k_{13}k_{14}-k_3$ $k_4^2 k_6 k_7 k_9^2 k_{12} k_{13} k_{14} - 2 k_3 k_4^2 k_6 k_7 k_9 k_{11} k_{12} k_{13} k_{14} - 2 k_3 k_4^2 k_6 k_8 k_9^2 k_{11}^2 k_{13} - k_3$ $k_4^2 k_6 k_8 k_9^2 k_{11}^2 k_{14} - k_3 k_4^2 k_6 k_8 k_9^2 k_{11} k_{13} k_{14} - 2 k_3 k_4^2 k_6 k_9^2 k_{11}^2 k_{13} k_{14} - 2 k_3 k_4^2 k_6$ $k_{9}^{2} k_{11} k_{12} k_{13} k_{14} - k_{3} k_{4}^{2} k_{7} k_{8} k_{9}^{2} k_{11} k_{13} k_{14} - k_{3} k_{4}^{2} k_{7} k_{8} k_{9}^{2} k_{11} k_{14}^{2} - k_{3} k_{4}^{2} k_{7}$ $k_{9}^{2} k_{11} k_{12} k_{13} k_{14} - k_{3} k_{4}^{2} k_{7} k_{9}^{2} k_{11} k_{12} k_{14}^{2} - k_{3} k_{4}^{2} k_{8} k_{9}^{2} k_{11}^{2} k_{13} k_{14} - k_{3} k_{4}^{2} k_{8} k_{9}^{2} k_{11}^{2} k_{14}^{2} - k_{12} k_{13}^{2} k_{14} k_{15} k_{15}^{2} k_{15$ k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{9}^{2} k_{13}^{2} - k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{9} k_{12} k_{13}^{2} - 2 k_{4}^{2} k_{6}^{2} k_{7} k_{9}^{2} k_{11} k_{13}^{2} - k_{4}^{2} k_{6}^{2} k_{7} k_{9}^{2} k_{12} k_{13}^{2} - k_{4}^{2} $k_{6}^{2} k_{7} k_{9} k_{11} k_{12} k_{13}^{2} - k_{4}^{2} k_{6}^{2} k_{9}^{2} k_{11}^{2} k_{13}^{2} - k_{4}^{2} k_{6}^{2} k_{9}^{2} k_{11} k_{12} k_{13}^{2} - k_{4}^{2} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{13}^{2} - k_{4}^{2} k_{6}^{2} k_{13}^{2} - k_{4}^{2} k_{6}^{2} k_{13}^{2} - k_{4}^{2} k_{13$ $k_7^2 k_8 k_9^2 k_{13} k_{14} - k_4^2 k_6 k_7^2 k_9^2 k_{12} k_{13}^2 - k_4^2 k_6 k_7^2 k_9^2 k_{12} k_{13} k_{14} - 2 k_4^2 k_6 k_7 k_8 k_9^2 k_{11} k_{13}^2 - 2$ $k_4^2 k_6 k_7 k_8 k_9^2 k_{11} k_{13} k_{14} - k_4^2 k_6 k_7 k_9^2 k_{11} k_{12} k_{13}^2 - k_4^2 k_6 k_7 k_9^2 k_{11} k_{12} k_{13} k_{14} - k_4^2 k_6 k_8 k_9^2$ $k_{11}^{2}, k_{13}^{2} - k_{4}^{2}, k_{6}, k_{8}, k_{9}^{2}, k_{11}^{2}, k_{13}, k_{14})$ $x_{5}^{2} + \left(-k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}^{2}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}, k_{7}, k_{8}, k_{9}, k_{10}, k_{11} - k_{1}, k_{2}, k_{3}, k_{5}, k_{7}, k_{8}, k_{9}, k_{10}, k$ $k_{10}^{2} k_{11} - k_{1} k_{2} k_{3} k_{5}^{2} k_{7} k_{9} k_{10} k_{11} k_{12} - k_{1} k_{2} k_{3} k_{5}^{2} k_{7} k_{10}^{2} k_{11} k_{12} - k_{1} k_{2} k_{3} k_{5}^{2} k_{8} k_{9} k_{10} k_{11}^{2}$ $-k_1 k_2 k_3 k_5^2 k_8 k_{10}^2 k_{11}^2 - 2 k_1 k_2 k_3 k_5 k_6 k_7 k_8 k_9 k_{10} k_{11} - 2 k_1 k_2 k_3 k_5 k_6 k_7 k_8 k_{10}^2 k_{11}$ $-2k_1k_2k_3k_5k_6k_7k_9k_{10}k_{11}k_{12}-2k_1k_2k_3k_5k_6k_7k_{10}^2k_{11}k_{12}$ $-2 k_1 k_2 k_3 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 - 2 k_1 k_2 k_3 k_5 k_6 k_8 k_{10}^2 k_{11}^2$ $-2k_1k_2k_3k_5k_7k_8k_9k_{10}k_{11}k_{14}-2k_1k_2k_3k_5k_7k_8k_{10}^2k_{11}k_{14}$ $-2k_1k_2k_3k_5k_7k_9k_{10}k_{11}k_{12}k_{14}-2k_1k_2k_3k_5k_7k_{10}^2k_{11}k_{12}k_{14}$ $-2k_1k_2k_3k_5k_8k_9k_{10}k_{11}^2k_{14} - 2k_1k_2k_3k_5k_8k_{10}^2k_{11}^2k_{14} - k_1k_2k_3k_6^2k_7k_8k_9k_{10}k_{11}$ $-k_1 k_2 k_3 k_6^2 k_7 k_8 k_{10}^2 k_{11} - k_1 k_2 k_3 k_6^2 k_7 k_9 k_{10} k_{11} k_{12} - k_1 k_2 k_3 k_6^2 k_7 k_{10}^2 k_{11} k_{12}$

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-k_1 k_2 k_3 k_6^2 k_8 k_9 k_{10} k_{11}^2 - k_1 k_2 k_3 k_6^2 k_8 k_{10}^2 k_{11}^2 - 2 k_1 k_2 k_3 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{14}
 -2\,k_{1}\,k_{2}\,k_{3}\,k_{6}\,k_{7}\,k_{8}\,k_{10}^{2}\,k_{11}\,k_{14}-2\,k_{1}\,k_{2}\,k_{3}\,k_{6}\,k_{7}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{14}-2\,k_{1}\,k_{2}\,k_{3}\,k_{6}\,k_{7}
k_{10}^{2} k_{11} k_{12} k_{14} - 2 k_{1} k_{2} k_{3} k_{6} k_{8} k_{9} k_{10} k_{11}^{2} k_{14} - 2 k_{1} k_{2} k_{3} k_{6} k_{8} k_{10}^{2} k_{11}^{2} k_{14}
  -k_1 k_2 k_3 k_7 k_8 k_9 k_{10} k_{11} k_{14}^2 - k_1 k_2 k_3 k_7 k_8 k_{10}^2 k_{11} k_{14}^2 - k_1 k_2 k_3 k_7 k_9 k_{10} k_{11} k_{12} k_{14}^2
  -k_1 k_2 k_3 k_7 k_{10}^2 k_{11} k_{12} k_{14}^2 - k_1 k_2 k_3 k_8 k_9 k_{10} k_{11}^2 k_{14}^2 - k_1 k_2 k_3 k_8 k_{10}^2 k_{11}^2 k_{14}^2
  -k_1 k_2 k_5 k_6 k_7^2 k_8 k_9 k_{10} k_{13} - k_1 k_2 k_5 k_6 k_7^2 k_8 k_{10}^2 k_{13} - k_1 k_2 k_5 k_6 k_7^2 k_9 k_{10} k_{12} k_{13}
  -k_{1} k_{2} k_{5} k_{6} k_{7}^{2} k_{10}^{2} k_{12} k_{13} - 2 k_{1} k_{2} k_{5} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11} k_{13} - 2 k_{1} k_{2} k_{5} k_{6} k_{7} k_{8}
k_{10}^2 \ k_{11} \ k_{13} - k_1 \ k_2 \ k_5 \ k_6 \ k_7 \ k_9 \ k_{10} \ k_{11} \ k_{12} \ k_{13} - k_1 \ k_2 \ k_5 \ k_6 \ k_7 \ k_{10}^2 \ k_{11} \ k_{12} \ k_{13}
  -k_1 k_2 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 k_{13} - k_1 k_2 k_5 k_6 k_8 k_{10}^2 k_{11}^2 k_{13} - k_1 k_2 k_6^2 k_7^2 k_8 k_9 k_{10} k_{13}
  -k_1 k_2 k_6^2 k_7^2 k_8 k_{10}^2 k_{13} - k_1 k_2 k_6^2 k_7^2 k_9 k_{10} k_{12} k_{13} - k_1 k_2 k_6^2 k_7^2 k_{10}^2 k_{12} k_{13} - 2 k_1 k_2
k_6^2 k_7 k_8 k_9 k_{10} k_{11} k_{13} - 2 k_1 k_2 k_6^2 k_7 k_8 k_{10}^2 k_{11} k_{13} - k_1 k_2 k_6^2 k_7 k_9 k_{10} k_{11} k_{12} k_{13} - k_1 k_2
k_{6}^{2} k_{7} k_{10}^{2} k_{11} k_{12} k_{13} - k_{1} k_{2} k_{6}^{2} k_{8} k_{9} k_{10} k_{11}^{2} k_{13} - k_{1} k_{2} k_{6}^{2} k_{8} k_{10}^{2} k_{11}^{2} k_{13} - k_{1} k_{2} k_{6}
k_7^2 k_8 k_9 k_{10} k_{13} k_{14} - k_1 k_2 k_6 k_7^2 k_8 k_{10}^2 k_{13} k_{14} - k_1 k_2 k_6 k_7^2 k_9 k_{10} k_{12} k_{13} k_{14} - k_1 k_2 k_6 k_7^2
k_{10}^2 \, k_{12} \, k_{13} \, k_{14} - 2 \, k_{1} \, k_{2} \, k_{6} \, k_{7} \, k_{8} \, k_{9} \, k_{10} \, k_{11} \, k_{13} \, k_{14} - 2 \, k_{1} \, k_{2} \, k_{6} \, k_{7} \, k_{8} \, k_{10}^2 \, k_{11} \, k_{13} \, k_{14}
  -k_1 k_2 k_6 k_7 k_9 k_{10} k_{11} k_{12} k_{13} k_{14} - k_1 k_2 k_6 k_7 k_{10}^2 k_{11} k_{12} k_{13} k_{14} - k_1 k_2 k_6 k_8 k_9 k_{10}
k_{11}^2 k_{13} k_{14} - k_1 k_2 k_6 k_8 k_{10}^2 k_{11}^2 k_{13} k_{14} - k_1 k_3^2 k_5^2 k_7 k_8 k_9 k_{10} k_{11} - k_1 k_3^2 k_5^2 k_7 k_8 k_{10}^2 k_{11}
  -k_1 k_3^2 k_5^2 k_7 k_9 k_{10} k_{11} k_{12} - k_1 k_3^2 k_5^2 k_7 k_{10}^2 k_{11} k_{12} - k_1 k_3^2 k_5^2 k_8 k_9 k_{10} k_{11}^2 - k_1 k_3^2 k_5^2 k_8
k_{10}^2 k_{11}^2 - 2 k_1 k_3^2 k_5 k_6 k_7 k_8 k_9 k_{10} k_{11} - 2 k_1 k_3^2 k_5 k_6 k_7 k_8 k_{10}^2 k_{11} - 2 k_1
k_3^2 k_5 k_6 k_8 k_{10}^2 k_{11}^2 - 2 k_1 k_3^2 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{14} - 2 k_1 k_3^2 k_5 k_7 k_8 k_{10}^2 k_{11} k_{14} - 2 k_1
k_3^2 k_5 k_7 k_9 k_{10} k_{11} k_{12} k_{14} - 2 k_1 k_3^2 k_5 k_7 k_{10}^2 k_{11} k_{12} k_{14} - 2 k_1 k_3^2 k_5 k_8 k_9 k_{10} k_{11}^2 k_{14}
  -2\,k_{1}\,k_{3}^{2}\,k_{5}\,k_{8}\,k_{10}^{2}\,k_{11}^{2}\,k_{14}-k_{1}\,k_{3}^{2}\,k_{6}^{2}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}-k_{1}\,k_{3}^{2}\,k_{6}^{2}\,k_{7}\,k_{8}\,k_{10}^{2}\,k_{11}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{3}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{10}^{2}\,k_{10}^{2}\,k_{11}^{2}-k_{1}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10
k_{6}^{2} k_{7} k_{9} k_{10} k_{11} k_{12} - k_{1} k_{3}^{2} k_{6}^{2} k_{7} k_{10}^{2} k_{11} k_{12} - k_{1} k_{3}^{2} k_{6}^{2} k_{8} k_{9} k_{10} k_{11}^{2} - k_{1} k_{3}^{2} k_{6}^{2} k_{8} k_{10}^{2} k_{11}^{2}
  -2k_1k_3^2k_6k_7k_8k_9k_{10}k_{11}k_{14}-2k_1k_3^2k_6k_7k_8k_{10}^2k_{11}k_{14}-2k_1
k_{3}^{2} \, k_{6} \, k_{7} \, k_{9} \, k_{10} \, k_{11} \, k_{12} \, k_{14} - 2 \, k_{1} \, k_{3}^{2} \, k_{6} \, k_{7} \, k_{10}^{2} \, k_{11} \, k_{12} \, k_{14} - 2 \, k_{1} \, k_{3}^{2} \, k_{6} \, k_{8} \, k_{9} \, k_{10} \, k_{11}^{2} \, k_{14}
  -2k_1k_3^2k_6k_8k_{10}^2k_{11}^2k_{14}-k_1k_3^2k_7k_8k_9k_{10}k_{11}k_{14}^2-k_1k_3^2k_7k_8k_{10}^2k_{11}k_{14}^2-k_1
k_3^2 k_7 k_9 k_{10} k_{11} k_{12} k_{14}^2 - k_1 k_3^2 k_7 k_{10}^2 k_{11} k_{12} k_{14}^2 - k_1 k_3^2 k_8 k_9 k_{10} k_{11}^2 k_{14}^2 - k_1 k_3^2 k_8 k_{10}^2 k_{11}^2
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k_{14}^2 - k_1 k_3 k_5^2 k_7 k_8 k_9 k_{10} k_{11} k_{13} - k_1 k_3 k_5^2 k_7 k_8 k_{10}^2 k_{11} k_{13} - k_1 k_3 k_5^2 k_7 k_9 k_{10} k_{11} k_{12} k_{13}
  -k_1 k_2 k_5^2 k_7 k_{10}^2 k_{11} k_{12} k_{13} - k_1 k_2 k_5^2 k_8 k_0 k_{10} k_{11}^2 k_{13} - k_1 k_2 k_5^2 k_8 k_{10}^2 k_{11}^2 k_{13}
  -k_1 k_3 k_5 k_6 k_7^2 k_8 k_9 k_{10} k_{13} - k_1 k_3 k_5 k_6 k_7^2 k_8 k_{10}^2 k_{13} - k_1 k_3 k_5 k_6 k_7^2 k_9 k_{10} k_{12} k_{13}
  -k_1 k_3 k_5 k_6 k_7^2 k_{10}^2 k_{12} k_{13} - 4 k_1 k_3 k_5 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{13} - 4 k_1 k_3 k_5 k_6 k_7 k_8
k_{10}^{2} k_{11} k_{13} - 3 k_{1} k_{3} k_{5} k_{6} k_{7} k_{9} k_{10} k_{11} k_{12} k_{13} - 3 k_{1} k_{3} k_{5} k_{6} k_{7} k_{10}^{2} k_{11} k_{12} k_{13}
  -3 k_1 k_3 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 k_{13} - 3 k_1 k_3 k_5 k_6 k_8 k_{10}^2 k_{11}^2 k_{13}
  -k_1 k_3 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{13} k_{14} - k_1 k_3 k_5 k_7 k_8 k_{10}^2 k_{11} k_{13} k_{14}
  -k_1 k_3 k_5 k_7 k_9 k_{10} k_{11} k_{12} k_{13} k_{14} - k_1 k_3 k_5 k_7 k_{10}^2 k_{11} k_{12} k_{13} k_{14} - k_1 k_3 k_5 k_8 k_9 k_{10}
k_{11}^2 k_{13} k_{14} - k_1 k_3 k_5 k_8 k_{10}^2 k_{11}^2 k_{13} k_{14} - k_1 k_3 k_6^2 k_7^2 k_8 k_9 k_{10} k_{13} - k_1 k_3 k_6^2 k_7^2 k_8 k_{10}^2 k_{13}
  -k_1 k_3 k_6^2 k_7^2 k_9 k_{10} k_{12} k_{13} - k_1 k_3 k_6^2 k_7^2 k_{10}^2 k_{12} k_{13} - 3 k_1 k_3 k_6^2 k_7 k_8 k_9 k_{10} k_{11} k_{13}
 -3 k_1 k_3 k_6^2 k_7 k_8 k_{10}^2 k_{11} k_{13} - 2 k_1 k_3 k_6^2 k_7 k_9 k_{10} k_{11} k_{12} k_{13} - 2 k_1 k_3 k_6^2 k_7
k_{10}^{2} k_{11} k_{12} k_{13} - 2 k_{1} k_{3} k_{6}^{2} k_{8} k_{9} k_{10} k_{11}^{2} k_{13} - 2 k_{1} k_{3} k_{6}^{2} k_{8} k_{10}^{2} k_{11}^{2} k_{13} - k_{1} k_{3} k_{6}
k_7^2 k_8 k_9 k_{10} k_{13} k_{14} - k_1 k_3 k_6 k_7^2 k_8 k_{10}^2 k_{13} k_{14} - k_1 k_3 k_6 k_7^2 k_9 k_{10} k_{12} k_{13} k_{14} - k_1 k_3 k_6 k_7^2
k_{10}^{2} k_{12} k_{13} k_{14} - 3 k_{1} k_{3} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11} k_{13} k_{14} - 3 k_{1} k_{3} k_{6} k_{7} k_{8} k_{10}^{2} k_{11} k_{13} k_{14}
  -2k_1k_3k_6k_7k_9k_{10}k_{11}k_{12}k_{13}k_{14}-2k_1k_3k_6k_7k_{10}^2k_{11}k_{12}k_{13}k_{14}
  -2k_1k_3k_6k_8k_9k_{10}k_{11}^2k_{13}k_{14}-2k_1k_3k_6k_8k_{10}^2k_{11}^2k_{13}k_{14}-k_1k_5k_6k_7^2k_8k_9k_{10}k_{13}^2
  -k_1 k_5 k_6 k_7^2 k_8 k_{10}^2 k_{13}^2 - k_1 k_5 k_6 k_7^2 k_9 k_{10} k_{12} k_{13}^2 - k_1 k_5 k_6 k_7^2 k_{10}^2 k_{12} k_{13}^2
  -2k_1k_5k_6k_7k_8k_9k_{10}k_{11}k_{13}^2-2k_1k_5k_6k_7k_8k_{10}^2k_{11}k_{13}^2-k_1k_5k_6k_7k_9k_{10}k_{11}k_{12}k_{13}^2
  -k_1 k_5 k_6 k_7 k_{10}^2 k_{11} k_{12} k_{13}^2 - k_1 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 k_{13}^2 - k_1 k_5 k_6 k_8 k_{10}^2 k_{11}^2 k_{13}^2 - k_1 k_6^2
k_7^2 k_8 k_9 k_{10} k_{13}^2 - k_1 k_6^2 k_7^2 k_8 k_{10}^2 k_{13}^2 - k_1 k_6^2 k_7^2 k_9 k_{10} k_{12} k_{13}^2 - k_1 k_6^2 k_7^2 k_{10}^2 k_{12} k_{13}^2 - 2 k_1
k_{6}^{2} k_{7} k_{8} k_{9} k_{10} k_{11} k_{13}^{2} - 2 k_{1} k_{6}^{2} k_{7} k_{8} k_{10}^{2} k_{11} k_{13}^{2} - k_{1} k_{6}^{2} k_{7} k_{9} k_{10} k_{11} k_{12} k_{13}^{2} - k_{1} k_{6}^{2} k_{7}
k_{10}^2 \, k_{11} \, k_{12} \, k_{13}^2 - k_1 \, k_6^2 \, k_8 \, k_9 \, k_{10} \, k_{11}^2 \, k_{13}^2 - k_1 \, k_6^2 \, k_8 \, k_{10}^2 \, k_{11}^2 \, k_{13}^2 - k_2^2 \, k_4 \, k_5 \, k_6 \, k_7^2 \, k_8 \, k_9^2 - k_8^2 \, k_8^2 \, k_8^2 \, k_9^2 \, k_8^2 \, k_9^2 \, k_8^2 \, k_9^2 
k_{2}^{2} k_{4} k_{5} k_{6} k_{7}^{2} k_{8} k_{9} k_{10} - k_{2}^{2} k_{4} k_{5} k_{6} k_{7}^{2} k_{9}^{2} k_{12} - k_{2}^{2} k_{4} k_{5} k_{6} k_{7}^{2} k_{9} k_{10} k_{12} - 2 k_{2}^{2} k_{4} k_{5} k_{6} k_{7} k_{8}
k_9^2 k_{11} - 2 k_2^2 k_4 k_5 k_6 k_7 k_8 k_9 k_{10} k_{11} - k_2^2 k_4 k_5 k_6 k_7 k_9^2 k_{11} k_{12} -
k_{2}^{2} k_{4} k_{5} k_{6} k_{7} k_{9} k_{10} k_{11} k_{12} - k_{2}^{2} k_{4} k_{5} k_{6} k_{8} k_{9}^{2} k_{11}^{2} - k_{2}^{2} k_{4} k_{5} k_{6} k_{8} k_{9} k_{10} k_{11}^{2} - k_{2}^{2} k_{4} k_{6}^{2}
k_7^2 k_8 k_9^2 - k_2^2 k_4 k_6^2 k_7^2 k_8 k_9 k_{10} - k_2^2 k_4 k_6^2 k_7^2 k_9^2 k_{12} - k_2^2 k_4 k_6^2 k_7^2 k_9 k_{10} k_{12} - 2 k_2^2 k_4 k_6^2 k_7 k_8
k_9^2 k_{11} - 2 k_2^2 k_4 k_6^2 k_7 k_8 k_9 k_{10} k_{11} - k_2^2 k_4 k_6^2 k_7 k_9^2 k_{11} k_{12} - k_2^2 k_4 k_6^2 k_7 k_9 k_{10} k_{11} k_{12} -
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k_{2}^{2} k_{4} k_{6}^{2} k_{8} k_{9}^{2} k_{11}^{1} - k_{2}^{2} k_{4} k_{6}^{2} k_{8} k_{9} k_{10} k_{11}^{2} - k_{2}^{2} k_{4} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{14} - k_{2}^{2} k_{4} k_{6} k_{7}^{2} k_{8} k_{9} k_{10} k_{14}
 -k_2^2 k_4 k_6 k_7^2 k_9^2 k_{12} k_{14} - k_2^2 k_4 k_6 k_7^2 k_9 k_{10} k_{12} k_{14} - 2 k_2^2 k_4 k_6 k_7 k_8 k_9^2 k_{11} k_{14} - 2
k_{2}^{2} k_{4} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11} k_{14} - k_{2}^{2} k_{4} k_{6} k_{7} k_{9}^{2} k_{11} k_{12} k_{14} - k_{2}^{2} k_{4} k_{6} k_{7} k_{9} k_{10} k_{11} k_{12} k_{14} -
k_{2}^{2} k_{4} k_{6} k_{8} k_{9}^{2} k_{11}^{2} k_{14} - k_{2}^{2} k_{4} k_{6} k_{8} k_{9} k_{10} k_{11}^{2} k_{14} - 2 k_{2} k_{3} k_{4} k_{5} k_{6} k_{7}^{2} k_{8} k_{9}^{2}
 -2k_{2}k_{3}k_{4}k_{5}k_{6}k_{7}^{2}k_{8}k_{9}k_{10}-2k_{2}k_{3}k_{4}k_{5}k_{6}k_{7}^{2}k_{9}^{2}k_{12}-2k_{2}k_{3}k_{4}k_{5}k_{6}k_{7}^{2}k_{9}k_{10}k_{12}
 -4 k_2 k_3 k_4 k_5 k_6 k_7 k_8 k_9^2 k_{11} - 4 k_2 k_3 k_4 k_5 k_6 k_7 k_8 k_9 k_{10} k_{11} - 2 k_2 k_3 k_4 k_5 k_6 k_7
k_9^2 k_{11} k_{12} - 2 k_2 k_3 k_4 k_5 k_6 k_7 k_9 k_{10} k_{11} k_{12} - 2 k_2 k_3 k_4 k_5 k_6 k_8 k_9^2 k_{11}^2
 -2 k_2 k_3 k_4 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 - k_2 k_3 k_4 k_5 k_7 k_8 k_9^2 k_{11} k_{14}
 -k_2 k_3 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{14} - k_2 k_3 k_4 k_5 k_7 k_9^2 k_{11} k_{12} k_{14}
 -k_2 k_3 k_4 k_5 k_7 k_9 k_{10} k_{11} k_{12} k_{14} - k_2 k_3 k_4 k_5 k_8 k_9^2 k_{11}^2 k_{14} - k_2 k_3 k_4 k_5 k_8 k_9 k_{10} k_{11}^2 k_{14}
 -2k_{2}k_{3}k_{4}k_{6}^{2}k_{7}^{2}k_{8}k_{9}^{2}-2k_{2}k_{3}k_{4}k_{6}^{2}k_{7}^{2}k_{8}k_{9}k_{10}-2k_{2}k_{3}k_{4}k_{6}^{2}k_{7}^{2}k_{9}^{2}k_{12}-2k_{2}k_{3}k_{4}k_{6}^{2}
k_7^2 k_9 k_{10} k_{12} - 4 k_2 k_3 k_4 k_6^2 k_7 k_8 k_9^2 k_{11} - 4 k_2 k_3 k_4 k_6^2 k_7 k_8 k_9 k_{10} k_{11} - 2 k_2 k_3 k_4 k_6^2 k_7
k_{9}^{2} k_{11} k_{12} - 2 k_{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{9} k_{10} k_{11} k_{12} - 2 k_{2} k_{3} k_{4} k_{6}^{2} k_{8}^{2} k_{11}^{2} - 2 k_{2} k_{3} k_{4} k_{6}^{2} k_{8} k_{9} k_{10}
k_{11}^2 - 2 k_2 k_3 k_4 k_6 k_7^2 k_8 k_9^2 k_{14} - 2 k_2 k_3 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{14} - 2 k_2 k_3 k_4 k_6 k_7^2 k_9^2 k_{12} k_{14}
 -2 k_2 k_3 k_4 k_6 k_7^2 k_9 k_{10} k_{12} k_{14} - 5 k_2 k_3 k_4 k_6 k_7 k_8 k_9^2 k_{11} k_{14}
 -5 k_2 k_3 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{14} - 3 k_2 k_3 k_4 k_6 k_7 k_9^2 k_{11} k_{12} k_{14}
 -3 k_2 k_3 k_4 k_6 k_7 k_9 k_{10} k_{11} k_{12} k_{14} - 3 k_2 k_3 k_4 k_6 k_8 k_9^2 k_{11}^2 k_{14} - 3 k_2 k_3 k_4 k_6 k_8 k_9 k_{10}
k_{11}^{2} k_{14}^{2} - k_{2} k_{3} k_{4} k_{7} k_{8} k_{9}^{2} k_{11} k_{14}^{2} - k_{2} k_{3} k_{4} k_{7} k_{8} k_{9} k_{10} k_{11} k_{14}^{2} - k_{2} k_{3} k_{4} k_{7} k_{9}^{2} k_{11} k_{12} k_{14}^{2}
 -k_{2} k_{3} k_{4} k_{7} k_{9} k_{10} k_{11} k_{12} k_{14}^{2} - k_{2} k_{3} k_{4} k_{8} k_{9}^{2} k_{11}^{2} k_{14}^{2} - k_{2} k_{3} k_{4} k_{8} k_{9} k_{10} k_{11}^{2} k_{14}^{2}
 -2k_{1}k_{4}k_{5}k_{6}k_{7}^{2}k_{8}k_{0}^{2}k_{13}-2k_{1}k_{4}k_{5}k_{6}k_{7}^{2}k_{8}k_{0}k_{10}k_{13}-2k_{1}k_{4}k_{5}k_{6}k_{7}^{2}k_{0}^{2}k_{11}k_{13}
 -2 k_2 k_4 k_5 k_6 k_7^2 k_9 k_{10} k_{12} k_{13} - 4 k_2 k_4 k_5 k_6 k_7 k_8 k_9^2 k_{11} k_{13}
 -4k_{2}k_{4}k_{5}k_{6}k_{7}k_{8}k_{0}k_{10}k_{11}k_{13}-2k_{2}k_{4}k_{5}k_{6}k_{7}k_{0}^{2}k_{11}k_{12}k_{13}
 -2k_2k_4k_5k_6k_7k_9k_{10}k_{11}k_{12}k_{13}-2k_2k_4k_5k_6k_8k_9^2k_{11}^2k_{13}-2k_2k_4k_5k_6k_8k_9k_{10}
k_{11}^{2} k_{13} - 2 k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9}^{2} k_{13} - 2 k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9} k_{10} k_{13} - 2 k_{2} k_{4} k_{6}^{2} k_{7}^{2} k_{9}^{2} k_{13} k_{13}
 -2k_{2}k_{4}k_{6}^{2}k_{7}^{2}k_{9}k_{10}k_{12}k_{13} - 4k_{2}k_{4}k_{6}^{2}k_{7}k_{8}k_{9}^{2}k_{11}k_{13} - 4k_{2}k_{4}k_{6}^{2}k_{7}k_{8}k_{9}k_{10}k_{11}k_{13}
 -2k_2k_4k_6^2k_7k_9^2k_{11}k_{12}k_{13}-2k_2k_4k_6^2k_7k_9k_{10}k_{11}k_{12}k_{13}-2k_2k_4k_6^2k_8k_9^2k_{11}^2k_{13}
 -2k_2k_4k_6^2k_8k_9k_{10}k_{11}^2k_{13}-k_2k_4k_6k_7^2k_8k_9^2k_{13}k_{14}-k_2k_4k_6k_7^2k_8k_9k_{10}k_{13}k_{14}
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-\,k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{9}^{2}\,k_{12}\,k_{13}\,k_{14}\,-\,k_{2}\,k_{4}\,k_{6}\,k_{7}^{2}\,k_{9}\,k_{10}\,k_{12}\,k_{13}\,k_{14}\,-\,2\,k_{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{9}^{2}\,k_{11}\,k_{13}\,k_{14}
  -2 k_2 k_4 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{13} k_{14} - k_2 k_4 k_6 k_7 k_9^2 k_{11} k_{12} k_{13} k_{14}
  -k_2 k_4 k_6 k_7 k_9 k_{10} k_{11} k_{12} k_{13} k_{14} - k_2 k_4 k_6 k_8 k_9^2 k_{11}^2 k_{13} k_{14} - k_2 k_4 k_6 k_8 k_9 k_{10}
k_{11}^2 k_{13} k_{14} - k_3^2 k_4 k_5 k_6 k_7^2 k_8 k_9^2 - k_3^2 k_4 k_5 k_6 k_7^2 k_8 k_9 k_{10} - k_3^2 k_4 k_5 k_6 k_7^2 k_9^2 k_{12} -
k_3^2 \, k_4 \, k_5 \, k_6 \, k_7^2 \, k_9 \, k_{10} \, k_{12} - 2 \, k_3^2 \, k_4 \, k_5 \, k_6 \, k_7 \, k_8 \, k_9^2 \, k_{11} - 2 \, k_3^2 \, k_4 \, k_5 \, k_6 \, k_7 \, k_8 \, k_9 \, k_{10} \, k_{11} -
k_3^2 k_4 k_5 k_6 k_7 k_9^2 k_{11} k_{12} - k_3^2 k_4 k_5 k_6 k_7 k_9 k_{10} k_{11} k_{12} - k_3^2 k_4 k_5 k_6 k_8 k_9^2 k_{11}^2 -
k_3^2 k_4 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 - k_3^2 k_4 k_5 k_7 k_8 k_9^2 k_{11} k_{14} - k_3^2 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{14} -
k_3^2 \ k_4 \ k_5 \ k_7 \ k_9^2 \ k_{11} \ k_{12} \ k_{14} - k_3^2 \ k_4 \ k_5 \ k_7 \ k_9 \ k_{10} \ k_{11} \ k_{12} \ k_{14} - k_3^2 \ k_4 \ k_5 \ k_8 \ k_9^2 \ k_{11}^2 \ k_{14} -
k_3^2 k_4 k_5 k_8 k_9 k_{10} k_{11}^2 k_{14} - k_3^2 k_4 k_6^2 k_7^2 k_8 k_9^2 - k_3^2 k_4 k_6^2 k_7^2 k_8 k_9 k_{10} - k_3^2 k_4 k_6^2 k_7^2 k_9^2 k_{12} - k_3^2 k_4 k_9^2 k_{10}^2 - k_3^2 k_4 k_9^2 k_9^2 k_9^2 k_{10}^2 - k_3^2 k_4 k_9^2 k_9^2 k_{10}^2 - k_9^2 
k_3^2 k_4 k_6^2 k_7^2 k_9 k_{10} k_{12} - 2 k_3^2 k_4 k_6^2 k_7 k_8 k_9^2 k_{11} - 2 k_3^2 k_4 k_6^2 k_7 k_8 k_9 k_{10} k_{11} - k_3^2 k_4 k_6^2 k_7
k_{9}^{2} k_{11} k_{12} - k_{3}^{2} k_{4} k_{6}^{2} k_{7} k_{9} k_{10} k_{11} k_{12} - k_{3}^{2} k_{4} k_{6}^{2} k_{8} k_{9}^{2} k_{11}^{2} - k_{3}^{2} k_{4} k_{6}^{2} k_{8} k_{9} k_{10} k_{11}^{2} - k_{3}^{2} k_{4} k_{6}
k_7^2 k_8 k_9^2 k_{14} - k_3^2 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{14} - k_3^2 k_4 k_6 k_7^2 k_9^2 k_{12} k_{14} - k_3^2 k_4 k_6 k_7^2 k_9 k_{10} k_{12} k_{14}
  -3k_3^2k_4k_6k_7k_8k_9^2k_{11}k_{14} - 3k_3^2k_4k_6k_7k_8k_9k_{10}k_{11}k_{14} - 2k_3^2k_4k_6k_7k_9^2k_{11}k_{12}k_{14}
  -2k_3^2k_4k_6k_7k_9k_{10}k_{11}k_{12}k_{14}-2k_3^2k_4k_6k_8k_9^2k_{11}^2k_{14}-2k_3^2k_4k_6k_8k_9k_{10}k_{11}^2k_{14}-
k_3^2 k_4 k_7 k_8 k_9^2 k_{11} k_{14}^2 - k_3^2 k_4 k_7 k_8 k_9 k_{10} k_{11} k_{14}^2 - k_3^2 k_4 k_7 k_9^2 k_{11} k_{12} k_{14}^2 -
k_{3}^{2} k_{4} k_{7} k_{9} k_{10} k_{11} k_{12} k_{14}^{2} - k_{3}^{2} k_{4} k_{8} k_{9}^{2} k_{11}^{2} k_{14}^{2} - k_{3}^{2} k_{4} k_{8} k_{9} k_{10} k_{11}^{2} k_{14}^{2} - 2 k_{3} k_{4} k_{5} k_{6} k_{7}^{2} k_{8}
k_9^2 k_{13} - 2 k_3 k_4 k_5 k_6 k_7^2 k_8 k_9 k_{10} k_{13} - 2 k_3 k_4 k_5 k_6 k_7^2 k_9^2 k_{12} k_{13} - 2 k_3 k_4 k_5 k_6
k_7^2 k_9 k_{10} k_{12} k_{13} - 4 k_3 k_4 k_5 k_6 k_7 k_8 k_9^2 k_{11} k_{13} - 4 k_3 k_4 k_5 k_6 k_7 k_8 k_9 k_{10} k_{11} k_{13}
  -2k_3k_4k_5k_6k_7k_9^2k_{11}k_{12}k_{13}-2k_3k_4k_5k_6k_7k_9k_{10}k_{11}k_{12}k_{13}-2k_3k_4k_5k_6k_8k_9^2
k_{11}^2 k_{13} - 2 k_3 k_4 k_5 k_6 k_8 k_9 k_{10} k_{11}^2 k_{13} - k_3 k_4 k_5 k_7 k_8 k_9^2 k_{11} k_{13} k_{14}
  -k_3 k_4 k_5 k_7 k_8 k_9 k_{10} k_{11} k_{13} k_{14} - k_3 k_4 k_5 k_7 k_9^2 k_{11} k_{12} k_{13} k_{14}
  -k_3 k_4 k_5 k_7 k_9 k_{10} k_{11} k_{12} k_{13} k_{14} - k_3 k_4 k_5 k_8 k_9^2 k_{11}^2 k_{13} k_{14} - k_3 k_4 k_5 k_8 k_9 k_{10}
k_{11}^2 \ k_{13} \ k_{14} - 2 \ k_3 \ k_4 \ k_6^2 \ k_7^2 \ k_8 \ k_9^2 \ k_{13} - 2 \ k_3 \ k_4 \ k_6^2 \ k_7^2 \ k_8 \ k_9 \ k_{10} \ k_{13} - 2 \ k_3 \ k_4 \ k_6^2 \ k_7^2 \ k_9^2 \ k_{12} \ k_{13}
  -2\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}^{2}\,k_{9}\,k_{10}\,k_{12}\,k_{13}\,-4\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}\,k_{8}\,k_{9}^{2}\,k_{11}\,k_{13}\,-4\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}\,k_{8}\,k_{9}\,k_{10}\,k_{11}\,k_{13}
 -2\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}\,k_{9}^{2}\,k_{11}\,k_{12}\,k_{13}-2\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{7}\,k_{9}\,k_{10}\,k_{11}\,k_{12}\,k_{13}-2\,k_{3}\,k_{4}\,k_{6}^{2}\,k_{8}\,k_{9}^{2}\,k_{11}^{2}\,k_{13}
  -2 k_3 k_4 k_6^2 k_8 k_9 k_{10} k_{11}^2 k_{13} - k_3 k_4 k_6 k_7^2 k_8 k_9^2 k_{13} k_{14} - k_3 k_4 k_6 k_7^2 k_8 k_9 k_{10} k_{13} k_{14}
  - \, k_3 \, k_4 \, k_6 \, k_7^2 \, k_9^2 \, k_{12} \, k_{13} \, k_{14} - k_3 \, k_4 \, k_6 \, k_7^2 \, k_9 \, k_{10} \, k_{12} \, k_{13} \, k_{14} - 3 \, k_3 \, k_4 \, k_6 \, k_7 \, k_8 \, k_9^2 \, k_{11} \, k_{13} \, k_{14}
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 $-3 k_{3} k_{4} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11} k_{13} k_{14} - 2 k_{3} k_{4} k_{6} k_{7} k_{9}^{2} k_{11} k_{12} k_{13} k_{14} \\
-2 k_{3} k_{4} k_{6} k_{7} k_{9} k_{10} k_{11} k_{12} k_{13} k_{14} - 2 k_{3} k_{4} k_{6} k_{8} k_{9}^{2} k_{11}^{2} k_{13} k_{14} - 2 k_{3} k_{4} k_{6} k_{8} k_{9} k_{10} \\
k_{11}^{2} k_{13} k_{14} - k_{4} k_{5} k_{6} k_{7}^{2} k_{8} k_{9}^{2} k_{13}^{2} - k_{4} k_{5} k_{6} k_{7}^{2} k_{8} k_{9} k_{10} k_{13}^{2} - k_{4} k_{5} k_{6} k_{7}^{2} k_{9}^{2} k_{12} k_{13}^{2} \\
- k_{4} k_{5} k_{6} k_{7}^{2} k_{9} k_{10} k_{12} k_{13}^{2} - 2 k_{4} k_{5} k_{6} k_{7} k_{8} k_{9}^{2} k_{11} k_{13}^{2} - 2 k_{4} k_{5} k_{6} k_{7} k_{8} k_{9} k_{10} k_{11}^{2} k_{13}^{2} \\
- k_{4} k_{5} k_{6} k_{7} k_{9}^{2} k_{11} k_{12} k_{13}^{2} - 2 k_{4} k_{5} k_{6} k_{7} k_{8} k_{9}^{2} k_{11} k_{12}^{2} k_{13}^{2} - 2 k_{4} k_{5} k_{6} k_{7} k_{8} k_{9}^{2} k_{11} k_{12}^{2} k_{13}^{2} \\
- k_{4} k_{5} k_{6} k_{7} k_{9}^{2} k_{11} k_{12} k_{13}^{2} - k_{4} k_{5} k_{6} k_{7} k_{9} k_{10} k_{11} k_{12} k_{13}^{2} - k_{4} k_{5} k_{6} k_{8} k_{9}^{2} k_{11}^{2} k_{13}^{2} \\
- k_{4} k_{5} k_{6} k_{8} k_{9} k_{10} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9}^{2} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9}^{2} k_{11}^{2} k_{13}^{2} \\
- k_{4} k_{5} k_{6} k_{8} k_{9} k_{10} k_{11}^{2} k_{13}^{2} - 2 k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9}^{2} k_{11}^{2} k_{13}^{2} - 2 k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{9} k_{10} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{9}^{2} k_{10} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{10}^{2} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{10}^{2} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{10}^{2} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{10}^{2} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k_{7}^{2} k_{8}^{2} k_{9}^{2} k_{11}^{2} k_{13}^{2} - k_{4} k_{6}^{2} k$

there is only one coefficient term with both positive and negative sign: (should check literature to find the critiria)

 $k_{3}^{2}\,k_{4}\,k_{5}\,k_{8}\,k_{10}\,k_{11}\,k_{12}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{10}\,k_{11}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{11}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}\,k_{10}\,k_{11}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}\,k_{10}\,k_{11}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}\,k_{10}\,k_{11}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{10}\,k_{11}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{10}\,k_{11}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{10}\,k_{11}^{2}-k_{1}^{2}\,k_{3}^{2}\,k_{4}^{2}\,k_{6}\,k_{8}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{1}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{1}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{1}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{1}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}\,k_{10}^{2}-k_{10}^{2}\,$ $k_{1}^{2} \, k_{3}^{2} \, k_{4} \, k_{6} \, k_{8} \, k_{10} \, k_{11} \, k_{12} - k_{1}^{2} \, k_{3}^{2} \, k_{4} \, k_{8}^{2} \, k_{10} \, k_{11} \, k_{14} - k_{1}^{2} \, k_{3}^{2} \, k_{4} \, k_{8}^{2} \, k_{11}^{2} \, k_{14} - k_{1}^{2} \, k_{3}^{2} \, k_{4} \, k_{8} \, k_{10}$ $k_{11}^2 k_{14} - k_{1}^2 k_{3}^2 k_{4} k_{8} k_{10} k_{11} k_{12} k_{14} + k_{1}^2 k_{3} k_{4} k_{5} k_{6} k_{7} k_{8} k_{10} k_{11} - k_{1}^2 k_{3} k_{4} k_{5} k_{6} k_{7} k_{8} k_{11} k_{12}$ $+k_{1}^{2}k_{3}k_{4}k_{5}k_{6}k_{8}k_{10}k_{11}^{2}+k_{1}^{2}k_{3}k_{4}k_{5}k_{6}k_{8}k_{10}k_{11}k_{12}-k_{1}^{2}k_{3}k_{4}k_{5}k_{7}k_{8}^{2}k_{10}k_{13}-2$ $k_{1}^{2} k_{3} k_{4} k_{5} k_{7} k_{8}^{2} k_{11} k_{13} - k_{1}^{2} k_{3} k_{4} k_{5} k_{7} k_{8}^{2} k_{11} k_{14} - k_{1}^{2} k_{3} k_{4} k_{5} k_{7} k_{8} k_{10} k_{11} k_{13} - 2$ $k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{10}\,k_{12}\,k_{13}-2\,k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{13}-k_{1}^{2}\,k_{3}\,k_{4}\,k_{5}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{14}-k_{12}\,k_{13}\,k_{13}\,k_{14}\,k_{15}\,k_{1$ $k_{1}^{2} k_{3} k_{4} k_{5} k_{7} k_{10} k_{11} k_{12} k_{13} - k_{1}^{2} k_{3} k_{4} k_{5} k_{7} k_{10} k_{12}^{2} k_{13} - k_{1}^{2} k_{3} k_{4} k_{5} k_{8}^{2} k_{10} k_{11} k_{13} - 2$ $k_1^2 k_3 k_4 k_5 k_8^2 k_{11}^2 k_{13} - k_1^2 k_3 k_4 k_5 k_8^2 k_{11}^2 k_{14} - k_1^2 k_3 k_4 k_5 k_8 k_{10} k_{11}^2 k_{13}$ $k_{1}^{2} k_{3} k_{4} k_{5} k_{8} k_{10} k_{11} k_{12} k_{13} + k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{8} k_{10} k_{11} - k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{7} k_{8} k_{11} k_{12} + k_{1}^{2} k_{3} k_{4}$ $k_{6}^{2} k_{8} k_{10} k_{11}^{2} + k_{1}^{2} k_{3} k_{4} k_{6}^{2} k_{8} k_{10} k_{11} k_{12} - k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8}^{2} k_{10} k_{13} - 2 k_{1}^{2} k_{3} k_{4} k_{6} k_{7}$ $k_{8}^{2} k_{11} k_{13} - k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8}^{2} k_{11} k_{14} - k_{1}^{2} k_{3} k_{4} k_{6} k_{7} k_{8} k_{10} k_{11} k_{13} +$ $k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{10}\,k_{11}\,k_{14}-k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{10}\,k_{12}\,k_{13}-k_{1}^{2}\,k_{3}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{13}-2$ $k_{1}^{2}k_{3}k_{4}k_{6}k_{7}k_{8}k_{11}k_{12}k_{14} - k_{1}^{2}k_{3}k_{4}k_{6}k_{8}^{2}k_{10}k_{11}k_{13} - 2k_{1}^{2}k_{3}k_{4}k_{6}k_{8}^{2}k_{11}^{2}k_{13}$ $k_{1}^{2}k_{3}k_{4}k_{6}k_{8}^{2}k_{11}^{2}k_{14} - k_{1}^{2}k_{3}k_{4}k_{6}k_{8}k_{10}k_{11}^{2}k_{13} + k_{1}^{2}k_{3}k_{4}k_{6}k_{8}k_{10}k_{11}^{2}k_{14}$ $k_{1}^{2}k_{3}k_{4}k_{6}k_{8}k_{10}k_{11}k_{12}k_{13} + k_{1}^{2}k_{3}k_{4}k_{6}k_{8}k_{10}k_{11}k_{12}k_{14} - k_{1}^{2}k_{3}k_{4}k_{7}k_{8}^{2}k_{11}k_{13}k_{14}$ $k_{1}^{2}k_{3}k_{4}k_{7}k_{8}^{2}k_{11}k_{14}^{2} - k_{1}^{2}k_{3}k_{4}k_{7}k_{8}k_{11}k_{12}k_{13}k_{14} - k_{1}^{2}k_{3}k_{4}k_{7}k_{8}k_{11}k_{12}k_{14}^{2} - k_{1}^{2}k_{3}k_{4}k_{7}^{2}$ $k_{11}^2 \, k_{13} \, k_{14} - k_1^2 \, k_3 \, k_4 \, k_8^2 \, k_{11}^2 \, k_{14}^2 + k_1^2 \, k_4 \, k_5 \, k_6 \, k_7^2 \, k_8 \, k_{10} \, k_{13} - k_1^2 \, k_4 \, k_5 \, k_6 \, k_7^2 \, k_8 \, k_{12} \, k_{13} + k_1^2 \, k_1^2 \, k_2^2 \, k_1^2 \, k_2^2 \, k_2^2 \, k_1^2 \, k_2^2 \, k_2^2 \, k_2^2 \, k_1^2 \, k_2^2 \, k$ $k_{1}^{2} k_{4} k_{5} k_{6} k_{7}^{2} k_{10} k_{12} k_{13} - k_{1}^{2} k_{4} k_{5} k_{6} k_{7}^{2} k_{12}^{2} k_{13} + 2 k_{1}^{2} k_{4} k_{5} k_{6} k_{7} k_{8} k_{10} k_{11} k_{13} +$ $k_{1}^{2} k_{4} k_{5} k_{6} k_{7} k_{8} k_{10} k_{12} k_{13} - k_{1}^{2} k_{4} k_{5} k_{6} k_{7} k_{8} k_{11} k_{12} k_{13} + k_{1}^{2} k_{4} k_{5} k_{6} k_{7} k_{10} k_{11} k_{12} k_{13} +$

 $k_{1}^{2}\,k_{4}\,k_{5}\,k_{6}\,k_{7}\,k_{10}\,k_{12}^{2}\,k_{13}\,+\,k_{1}^{2}\,k_{4}\,k_{5}\,k_{6}\,k_{8}\,k_{10}\,k_{11}^{2}\,k_{13}\,+\,k_{1}^{2}\,k_{4}\,k_{5}\,k_{6}\,k_{8}\,k_{10}\,k_{11}\,k_{12}\,k_{13}\,-\,k_{11}^{2}\,k_{12}^{2}\,k_{13}^{2}$ $k_{1}^{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{13}^{2} - k_{1}^{2} k_{4} k_{5} k_{7}^{2} k_{8}^{2} k_{13} k_{14} - 2 k_{1}^{2} k_{4} k_{5} k_{7}^{2} k_{8} k_{12} k_{13}^{2} - 2 k_{1}^{2} k_{4} k_{5}$ $k_{7}^{2} k_{8} k_{12} k_{13} k_{14} - k_{1}^{2} k_{4} k_{5} k_{7}^{2} k_{12}^{2} k_{13}^{2} - k_{1}^{2} k_{4} k_{5} k_{7}^{2} k_{12}^{2} k_{13} k_{14} - 2 k_{1}^{2} k_{4} k_{5} k_{7} k_{8}^{2} k_{11} k_{13}^{2} - 2$ $k_{1}^{2} \, k_{4} \, k_{5} \, k_{7} \, k_{8}^{2} \, k_{11} \, k_{13} \, k_{14} - 2 \, k_{1}^{2} \, k_{4} \, k_{5} \, k_{7} \, k_{8} \, k_{11} \, k_{12} \, k_{13}^{2} - 2 \, k_{1}^{2} \, k_{4} \, k_{5} \, k_{7} \, k_{8} \, k_{11} \, k_{12} \, k_{13} \, k_{14} - 2 \, k_{13}^{2} \, k_{14} \, k_{15} \, k_{15}$ $k_{1}^{2} k_{4} k_{5} k_{8}^{2} k_{11}^{2} k_{13}^{2} - k_{1}^{2} k_{4} k_{5} k_{8}^{2} k_{11}^{2} k_{13} k_{14} + k_{1}^{2} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{10} k_{13} - k_{1}^{2} k_{4} k_{6}^{2} k_{7}^{2} k_{8} k_{12} k_{13}$ $+\ 2\ k_{1}^{2}\ k_{4}\ k_{6}^{2}\ k_{7}\ k_{8}\ k_{10}\ k_{11}\ k_{13}\ +\ k_{1}^{2}\ k_{4}\ k_{6}^{2}\ k_{7}\ k_{8}\ k_{10}\ k_{12}\ k_{13}\ -\ k_{1}^{2}\ k_{4}\ k_{6}^{2}\ k_{7}\ k_{8}\ k_{11}\ k_{12}\ k_{13}\ +\ k_{1}^{2}\ k_{4}$ $k_{6}^{2} k_{8} k_{10} k_{11}^{2} k_{13} + k_{1}^{2} k_{4} k_{6}^{2} k_{8} k_{10} k_{11} k_{12} k_{13} - k_{1}^{2} k_{4} k_{6} k_{7}^{2} k_{8}^{2} k_{13}^{2} - k_{1}^{2} k_{4} k_{6} k_{7}^{2} k_{8}^{2} k_{13} k_{14} - k_{10}^{2} k_{11} k_{12} k_{13} k_{14} k_{15} k_$ $k_{1}^{2} \, k_{4} \, k_{6} \, k_{7}^{2} \, k_{8} \, k_{12} \, k_{13}^{2} \, - \, k_{1}^{2} \, k_{4} \, k_{6} \, k_{7}^{2} \, k_{8} \, k_{12} \, k_{13} \, k_{14} \, - \, 2 \, k_{1}^{2} \, k_{4} \, k_{6} \, k_{7} \, k_{8}^{2} \, k_{11} \, k_{13}^{2} \, - \, 2 \, k_{1}^{2} \, k_{4} \, k_{6} \, k_{7}$ $k_{8}^{2}\,k_{11}\,k_{13}\,k_{14} - k_{1}^{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{13}^{2} - k_{1}^{2}\,k_{4}\,k_{6}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{13}\,k_{14} - k_{1}^{2}\,k_{4}\,k_{6}\,k_{8}^{2}\,k_{11}^{2}\,k_{13}^{2}$ $-k_{1}^{2} k_{4} k_{6} k_{8}^{2} k_{11}^{2} k_{13} k_{14} + k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{7} k_{8} k_{9} k_{12} - k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{7} k_{8} k_{11} k_{12} + k_{1} k_{2} k_{3}$ $k_{4}^{2} k_{6} k_{7} k_{9} k_{11} k_{12} + k_{1} k_{2} k_{3} k_{4}^{2} k_{6} k_{7} k_{9} k_{12}^{2} + k_{1} k_{2} k_{3} k_{4}^{2} k_{7} k_{8}^{2} k_{9} k_{14} - k_{1} k_{2} k_{3} k_{4}^{2} k_{7}$ $k_{8}^{2}\,k_{11}\,k_{14} + k_{1}\,k_{2}\,k_{3}\,k_{4}^{2}\,k_{7}\,k_{8}\,k_{9}\,k_{11}\,k_{14} + 2\,k_{1}\,k_{2}\,k_{3}\,k_{4}^{2}\,k_{7}\,k_{8}\,k_{9}\,k_{12}\,k_{14} - k_{1}\,k_{2}\,k_{3}$ $k_{4}^{2} \, k_{7} \, k_{8} \, k_{11} \, k_{12} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{7} \, k_{9} \, k_{11} \, k_{12} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{7} \, k_{9} \, k_{12}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{14} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{3} \, k_{4}^{2} \, k_{4} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{4} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{4} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{4} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{4} + k_{1} \, k_{2} \, k_{3} \, k_{4}^{2} \, k_{4} + k_{2} \, k_{3} \, k_{4}^{2} \, k_{4}^$ $k_{8}^{2}\,k_{9}\,k_{11}\,k_{14}-k_{1}\,k_{2}\,k_{3}\,k_{4}^{2}\,k_{8}^{2}\,k_{11}^{2}\,k_{14}+k_{1}\,k_{2}\,k_{3}\,k_{4}^{2}\,k_{8}\,k_{9}\,k_{11}^{2}\,k_{14}+k_{1}\,k_{2}\,k_{3}\,k_{4}^{2}\,k_{8}\,k_{9}\,k_{11}\,k_{12}\,k_{14}$ $-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}^{2}\,k_{7}^{2}\,k_{9}\,k_{12}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}^{2}\,k_{7}^{2}\,k_{12}^{2}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}^{2}\,k_{7}\,k_{9}\,k_{11}\,k_{12}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}^{2}\,k_{7}\,k_{9}\,k_{12}^{2}$ $-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{9}\,k_{14}-k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{12}\,k_{13}-2\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{6}\,k_{7}^{2}\,k_{8}\,k_{12}\,k_{14}-k_{1}\,k_{2}\,k_{14}^{2}\,k_{14}-k_{1}\,k_{2}\,k_{14}^{2}$ $k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{9} \ k_{12} \ k_{14} - k_{1} \ k_{2} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{12}^{2} \ k_{13} - 2 \ k_{1} \ k_{2} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{12}^{2} \ k_{14} - 2 \ k_{1} \ k_{2}$ $k_{4}^{2}\ k_{6}\ k_{7}\ k_{8}\ k_{9}\ k_{11}\ k_{14}-k_{1}\ k_{2}\ k_{4}^{2}\ k_{6}\ k_{7}\ k_{8}\ k_{9}\ k_{12}\ k_{14}-k_{1}\ k_{2}\ k_{4}^{2}\ k_{6}\ k_{7}\ k_{8}\ k_{11}\ k_{12}\ k_{13}-2\ k_{1}\ k_{2}$ $k_{4}^{2}\ k_{6}\ k_{7}\ k_{8}\ k_{11}\ k_{12}\ k_{14}-k_{1}\ k_{2}\ k_{4}^{2}\ k_{6}\ k_{7}\ k_{9}\ k_{11}\ k_{12}\ k_{14}-k_{1}\ k_{2}\ k_{4}^{2}\ k_{6}\ k_{7}\ k_{9}\ k_{12}^{2}\ k_{14}-k_{1}\ k_{2}$ $k_{4}^{2}\ k_{6}\ k_{8}\ k_{9}\ k_{11}^{2}\ k_{14}-k_{1}\ k_{2}\ k_{4}^{2}\ k_{6}\ k_{8}\ k_{9}\ k_{11}\ k_{12}\ k_{14}-k_{1}\ k_{2}\ k_{4}^{2}\ k_{7}^{2}\ k_{8}^{2}\ k_{13}\ k_{14}-k_{1}\ k_{2}\ k_{4}^{2}\ k_{7}^{2}\ k_{8}^{2}\ k_{13}^{2}$ $-\,2\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{7}^{2}\,k_{8}\,k_{12}\,k_{13}\,k_{14}\,-\,2\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{7}^{2}\,k_{8}\,k_{12}\,k_{14}^{2}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{7}^{2}\,k_{12}^{2}\,k_{13}\,k_{14}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{7}^{2}\,k_{12}^{2}\,k_{13}^{2}\,k_{14}^{2}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{7}^{2}\,k_{12}^{2}\,k_{13}^{2}\,k_{14}^{2}\,-\,k_{1}\,k_{2}\,k_{4}^{2}\,k_{7}^{2}\,k_{12}^{2}\,k_{13}^{2}\,k_{14}^{2}\,-\,k_{1}\,k_{2}\,k_{13}^{2}\,k_{14}^{2}\,k_{13}^{2}\,k_{14}^{$ $k_{12}^2 \, k_{14}^2 - 2 \, k_1 \, k_2 \, k_4^2 \, k_7 \, k_8^2 \, k_{11} \, k_{13} \, k_{14} - 2 \, k_1 \, k_2 \, k_4^2 \, k_7 \, k_8^2 \, k_{11} \, k_{14}^2 - 2 \, k_1 \, k_2$ $k_{4}^{2} k_{7} k_{8} k_{11} k_{12} k_{13} k_{14} - 2 k_{1} k_{2} k_{4}^{2} k_{7} k_{8} k_{11} k_{12} k_{14}^{2} - k_{1} k_{2} k_{4}^{2} k_{8}^{2} k_{11}^{2} k_{13} k_{14} - k_{1} k_{2} k_{4}^{2} k_{8}^{2}$ $k_{11}^2 \ k_{14}^2 + k_1 \ k_3^2 \ k_4^2 \ k_6 \ k_7 \ k_8 \ k_9 \ k_{12} - k_1 \ k_3^2 \ k_4^2 \ k_6 \ k_7 \ k_8 \ k_{11} \ k_{12} + k_1 \ k_3^2 \ k_4^2 \ k_6 \ k_7 \ k_9 \ k_{11} \ k_{12} + k_1 \ k_3^2$ $k_{4}^{2} k_{6} k_{7} k_{9} k_{12}^{2} + k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8}^{2} k_{9} k_{14} - k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8}^{2} k_{11} k_{14} + k_{1} k_{3}^{2} k_{4}^{2} k_{7} k_{8} k_{9} k_{11} k_{14}$ $+2\,k_{1}\,k_{3}^{2}\,k_{4}^{2}\,k_{7}\,k_{8}\,k_{9}\,k_{12}\,k_{14}-k_{1}\,k_{3}^{2}\,k_{4}^{2}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{14}+k_{1}\,k_{3}^{2}\,k_{4}^{2}\,k_{7}\,k_{9}\,k_{11}\,k_{12}\,k_{14}+k_{1}\,k_{3}^{2}$ $k_{4}^{2} k_{7} k_{9} k_{12}^{2} k_{14} - k_{1} k_{3} k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{9} k_{12} - k_{1} k_{3} k_{4}^{2} k_{6}^{2} k_{7}^{2} k_{12}^{2} - k_{1} k_{3} k_{4}^{2} k_{6}^{2} k_{7} k_{9} k_{11} k_{12} - k_{1} k_{3}$ $k_4^2 k_6^2 k_7 k_9 k_{12}^2 - k_1 k_3 k_4^2 k_6 k_7^2 k_8 k_9 k_{14} - k_1 k_3 k_4^2 k_6 k_7^2 k_8 k_{12} k_{13} - 2 k_1 k_3 k_4^2 k_6$ $k_7^2 k_8 k_{12} k_{14} - k_1 k_3 k_4^2 k_6 k_7^2 k_9 k_{12} k_{14} - k_1 k_3 k_4^2 k_6 k_7^2 k_{12}^2 k_{13} - 2 k_1 k_3 k_4^2 k_6 k_7^2 k_{12}^2 k_{14}$ $-\,k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{11}\,k_{14} + k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{12}\,k_{13} - k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{8}\,k_{9}\,k_{12}\,k_{14}$ $-\,2\,k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{13}\,-\,k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{8}\,k_{11}\,k_{12}\,k_{14}\,+\,k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{9}\,k_{11}\,k_{12}\,k_{13}$ $-\,k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{9}\,k_{11}\,k_{12}\,k_{14} + k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{9}\,k_{12}^{2}\,k_{13} - k_{1}\,k_{3}\,k_{4}^{2}\,k_{6}\,k_{7}\,k_{9}\,k_{12}^{2}\,k_{14} - k_{1}\,k_{3}$

 $\begin{array}{l} k_{4}^{2} \ k_{7}^{2} \ k_{8}^{2} \ k_{13} \ k_{14} - k_{1} \ k_{3} \ k_{4}^{2} \ k_{7}^{2} \ k_{8}^{2} \ k_{14}^{2} - 2 \ k_{1} \ k_{3} \ k_{4}^{2} \ k_{7}^{2} \ k_{8} \ k_{12} \ k_{13} \ k_{14} - 2 \ k_{1} \ k_{3} \ k_{4}^{2} \ k_{7}^{2} \ k_{8} \ k_{12} \ k_{13}^{2} \ k_{14}^{2} - k_{1} \ k_{3} \ k_{4}^{2} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{13} \ k_{14} - k_{1} \ k_{3} \ k_{4}^{2} \ k_{7} \ k_{8}^{2} \ k_{11} \ k_{13} \ k_{14} - k_{1} \ k_{3} \ k_{4}^{2} \ k_{7} \ k_{8}^{2} \ k_{11} \ k_{13} \ k_{14}^{2} - k_{1} \ k_{3} \ k_{4}^{2} \ k_{7} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{3}^{2} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6}^{2} \ k_{7}^{2} \ k_{9} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6}^{2} \ k_{7}^{2} \ k_{9} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} \ k_{14}^{2} - k_{1} \ k_{4}^{2} \ k_{6} \ k_{7}^{2} \ k_{8}^{2} \ k_{11} \ k_{12} \ k_{13}^{2} \ k_{14}^{2} \ k_{13}^{2} \ k_{14}^{2} \ k_{14}^{2} \ k_{15}^{2} \ k_{$

=
> factor(term)

$$-k_{1} k_{4} \left(k_{1} k_{3}^{2} k_{5}^{2} k_{6}^{2} k_{10} k_{11} + k_{1} k_{3}^{2} k_{5}^{2} k_{6}^{2} k_{11}^{2} + k_{1} k_{3}^{2} k_{5} k_{8} k_{10} k_{11}^{2} + k_{1} k_{3}^{2} k_{5}^{2} k_{8} k_{10} k_{11}^{2} k_{12}^{2} + k_{1} k_{3}^{2} k_{5}^{2} k_{8} k_{10} k_{11}^{2} k_{14}^{2} + k_{1} k_{3}^{2} k_{5}^{2} k_{8} k_{10} k_{11}^{2} k_{14}^{2} + k_{1} k_{3}^{2} k_{5}^{2} k_{8} k_{10} k_{11}^{2} k_{12}^{2} + k_{1} k_{3}^{2} k_{5}^{2} k_{8}^{2} k_{10} k_{11}^{2} k_{12}^{2} + k_{1} k_{3}^{2} k_{5}^{2} k_{8}^{2} k_{10} k_{11}^{2} k_{12}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{8}^{2} k_{10}^{2} k_{11}^{2} k_{12}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{8}^{2} k_{10} k_{11}^{2} k_{12}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{8}^{2} k_{10} k_{11}^{2} k_{12}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{5}^{2} k_{10}^{2} k_{11}^{2} k_{14}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{5}^{2} k_{11}^{2} k_{14}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{5}^{2} k_{10}^{2} k_{11}^{2} k_{12}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{5}^{2} k_{10}^{2} k_{11}^{2} k_{12}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{5}^{2} k_{10}^{2} k_{11}^{2} k_{12}^{2} + k_{1}^{2} k_{3}^{2} k_{5}^{2} k_{5}^{2$$

```
+2k_{1}k_{5}k_{7}k_{8}^{2}k_{11}k_{13}k_{14}+2k_{1}k_{5}k_{7}k_{8}k_{11}k_{12}k_{13}^{2}+2k_{1}k_{5}k_{7}k_{8}k_{11}k_{12}k_{13}k_{14}+k_{1}k_{5}
k_{8}^{2} k_{11}^{2} k_{13}^{2} + k_{1} k_{5} k_{8}^{2} k_{11}^{2} k_{13} k_{14} - k_{1} k_{6}^{2} k_{7}^{2} k_{8} k_{10} k_{13} + k_{1} k_{6}^{2} k_{7}^{2} k_{8} k_{12} k_{13} - 2 k_{1}
k_6^2 k_7 k_8 k_{10} k_{11} k_{13} - k_1 k_6^2 k_7 k_8 k_{10} k_{12} k_{13} + k_1 k_6^2 k_7 k_8 k_{11} k_{12} k_{13} - k_1 k_6^2 k_8 k_{10} k_{11}^2 k_{13}
 -k_1 k_6^2 k_8 k_{10} k_{11} k_{12} k_{13} + k_1 k_6 k_7^2 k_8^2 k_{13}^2 + k_1 k_6 k_7^2 k_8^2 k_{13} k_{14} + k_1 k_6 k_7^2 k_8 k_{12} k_{13}^2
 + k_1 k_6 k_7^2 k_8 k_{12} k_{13} k_{14} + 2 k_1 k_6 k_7 k_8^2 k_{11} k_{13}^2 + 2 k_1 k_6 k_7 k_8^2 k_{11} k_{13} k_{14}
 + k_1 k_6 k_7 k_8 k_{11} k_{12} k_{13}^2 + k_1 k_6 k_7 k_8 k_{11} k_{12} k_{13} k_{14} + k_1 k_6 k_8^2 k_{11}^2 k_{13}^2 + k_1 k_6 k_8^2
k_{11}^{2} k_{13} k_{14} - k_{2} k_{3} k_{4} k_{6} k_{7} k_{8} k_{9} k_{12} + k_{2} k_{3} k_{4} k_{6} k_{7} k_{8} k_{11} k_{12} - k_{2} k_{3} k_{4} k_{6} k_{7} k_{9} k_{11} k_{12}
 -k_2 k_3 k_4 k_6 k_7 k_0 k_{12}^2 - k_2 k_3 k_4 k_7 k_8^2 k_0 k_{14} + k_2 k_3 k_4 k_7 k_8^2 k_{11} k_{14}
 -k_2 k_3 k_4 k_7 k_8 k_9 k_{11} k_{14} - 2 k_2 k_3 k_4 k_7 k_8 k_9 k_{12} k_{14} + k_2 k_3 k_4 k_7 k_8 k_{11} k_{12} k_{14}
 -k_{2}k_{3}k_{4}k_{7}k_{9}k_{11}k_{12}k_{14}-k_{2}k_{3}k_{4}k_{7}k_{9}k_{12}^{2}k_{14}-k_{2}k_{3}k_{4}k_{8}^{2}k_{9}k_{11}k_{14}+k_{2}k_{3}k_{4}k_{8}^{2}
k_{11}^2 k_{14} - k_2 k_3 k_4 k_8 k_9 k_{11}^2 k_{14} - k_2 k_3 k_4 k_8 k_9 k_{11} k_{12} k_{14} + k_2 k_4 k_6^2 k_7^2 k_9 k_{12} + k_2 k_4 k_6^2 k_7^2
k_{12}^2 + k_2 \, k_4 \, k_6^2 \, k_7 \, k_9 \, k_{11} \, k_{12} + k_2 \, k_4 \, k_6^2 \, k_7 \, k_9 \, k_{12}^2 + k_2 \, k_4 \, k_6 \, k_7^2 \, k_8 \, k_9 \, k_{14} + k_7 \, k_4 \, k_6
k_7^2 k_8 k_{12} k_{13} + 2 k_2 k_4 k_6 k_7^2 k_8 k_{12} k_{14} + k_2 k_4 k_6 k_7^2 k_9 k_{12} k_{14} + k_2 k_4 k_6 k_7^2 k_{13}^2
 +2k_{2}k_{4}k_{6}k_{7}^{2}k_{12}^{2}k_{14}+2k_{2}k_{4}k_{6}k_{7}k_{8}k_{9}k_{11}k_{14}+k_{2}k_{4}k_{6}k_{7}k_{8}k_{9}k_{12}k_{14}
 + k_{2} k_{4} k_{6} k_{7} k_{8} k_{11} k_{12} k_{13} + 2 k_{2} k_{4} k_{6} k_{7} k_{8} k_{11} k_{12} k_{14} + k_{2} k_{4} k_{6} k_{7} k_{9} k_{11} k_{12} k_{14}
 + k_{2} k_{4} k_{6} k_{7} k_{9} k_{12}^{2} k_{14} + k_{2} k_{4} k_{6} k_{8} k_{9} k_{11}^{2} k_{14} + k_{2} k_{4} k_{6} k_{8} k_{9} k_{11} k_{12} k_{14} + k_{2} k_{4} k_{7}^{2}
k_{8}^{2} k_{13} k_{14} + k_{2} k_{4} k_{7}^{2} k_{8}^{2} k_{14}^{2} + 2 k_{2} k_{4} k_{7}^{2} k_{8} k_{12} k_{13} k_{14} + 2 k_{2} k_{4} k_{7}^{2} k_{8} k_{12} k_{14}^{2} + k_{5} k_{4} k_{7}^{2}
k_{12}^{2}, k_{13}, k_{14} + k_{2}, k_{4}, k_{7}^{2}, k_{12}^{2} + 2, k_{2}, k_{4}, k_{7}, k_{8}^{2}, k_{11}, k_{13}, k_{14} + 2, k_{2}, k_{4}, k_{7}, k_{8}^{2}, k_{11}, k_{14}^{2}
 +2k_{2}k_{4}k_{7}k_{8}k_{11}k_{12}k_{13}k_{14}+2k_{2}k_{4}k_{7}k_{8}k_{11}k_{12}k_{14}^{2}+k_{2}k_{4}k_{8}^{2}k_{11}^{2}k_{13}k_{14}+k_{2}k_{4}k_{8}^{2}
k_3^2 k_4 k_6 k_7 k_9 k_{12}^2 - k_3^2 k_4 k_7 k_8^2 k_9 k_{14} + k_3^2 k_4 k_7 k_8^2 k_{11} k_{14} - k_3^2 k_4 k_7 k_8 k_9 k_{11} k_{14} - 2
k_{3}^{2} k_{4} k_{7} k_{8} k_{9} k_{12} k_{14} + k_{3}^{2} k_{4} k_{7} k_{8} k_{11} k_{12} k_{14} - k_{3}^{2} k_{4} k_{7} k_{9} k_{11} k_{12} k_{14} - k_{3}^{2} k_{4} k_{7} k_{9} k_{11}^{2} k_{14} - k_{3}^{2} k_{4} k_{7} k_{9} k_{12}^{2} k_{14}^{2}
 + k_3 k_4 k_6^2 k_7^2 k_9 k_{12} + k_3 k_4 k_6^2 k_7^2 k_{12}^2 + k_3 k_4 k_6^2 k_7 k_9 k_{11} k_{12} + k_3 k_4 k_6^2 k_7 k_9 k_{12}^2 + k_3 k_4 k_6
k_7^2 k_8 k_9 k_{14} + k_3 k_4 k_6 k_7^2 k_8 k_{12} k_{13} + 2 k_3 k_4 k_6 k_7^2 k_8 k_{12} k_{14} + k_3 k_4 k_6 k_7^2 k_9 k_{12} k_{14}
 + k_3 k_4 k_6 k_7^2 k_{12}^2 k_{13} + 2 k_3 k_4 k_6 k_7^2 k_{12}^2 k_{14} + k_3 k_4 k_6 k_7 k_8 k_9 k_{11} k_{14}
 -k_3 k_4 k_6 k_7 k_8 k_9 k_{12} k_{13} + k_3 k_4 k_6 k_7 k_8 k_9 k_{12} k_{14} + 2 k_3 k_4 k_6 k_7 k_8 k_{11} k_{12} k_{13}
 +\ k_{3}\ k_{4}\ k_{6}\ k_{7}\ k_{8}\ k_{11}\ k_{12}\ k_{14} - k_{3}\ k_{4}\ k_{6}\ k_{7}\ k_{9}\ k_{11}\ k_{12}\ k_{13} + k_{3}\ k_{4}\ k_{6}\ k_{7}\ k_{9}\ k_{11}\ k_{12}\ k_{14}
```

$$-k_{3}k_{4}k_{6}k_{7}k_{9}k_{12}^{2}k_{13} + k_{3}k_{4}k_{6}k_{7}k_{9}k_{12}^{2}k_{14} + k_{3}k_{4}k_{7}^{2}k_{8}^{2}k_{13}k_{14} + k_{3}k_{4}k_{7}^{2}k_{8}^{2}k_{13}^{2}$$

$$+ 2k_{3}k_{4}k_{7}^{2}k_{8}k_{12}k_{13}k_{14} + 2k_{3}k_{4}k_{7}^{2}k_{8}k_{12}k_{14}^{2} + k_{3}k_{4}k_{7}^{2}k_{12}^{2}k_{13}k_{14} + k_{3}k_{4}k_{7}^{2}k_{12}^{2}k_{12}^{2}$$

$$+ k_{3}k_{4}k_{7}k_{8}^{2}k_{11}k_{13}k_{14} + k_{3}k_{4}k_{7}k_{8}^{2}k_{11}k_{14}^{2} + k_{3}k_{4}k_{7}k_{8}k_{11}k_{12}k_{13}k_{14}$$

$$+ k_{3}k_{4}k_{7}k_{8}k_{11}k_{12}k_{14}^{2} + k_{4}k_{6}^{2}k_{7}^{2}k_{9}k_{12}k_{13} + k_{4}k_{6}^{2}k_{7}^{2}k_{12}^{2}k_{13} + k_{4}k_{6}^{2}k_{7}^{2}k_{9}k_{11}k_{12}k_{13}$$

$$+ k_{4}k_{6}^{2}k_{7}k_{9}k_{12}^{2}k_{13} + k_{4}k_{6}k_{7}^{2}k_{8}k_{12}k_{13}^{2} + k_{4}k_{6}k_{7}^{2}k_{8}k_{11}k_{12}k_{13}k_{14}$$

$$+ k_{4}k_{6}k_{7}^{2}k_{12}^{2}k_{13} + k_{4}k_{6}k_{7}^{2}k_{8}k_{12}k_{13}^{2} + k_{4}k_{6}k_{7}^{2}k_{8}k_{11}k_{12}k_{13}k_{14}$$

$$+ k_{4}k_{6}k_{7}^{2}k_{12}^{2}k_{13} + k_{4}k_{6}k_{7}^{2}k_{8}k_{12}k_{13}^{2} + k_{4}k_{6}k_{7}^{2}k_{8}k_{11}k_{12}k_{13}k_{14}$$

Is it the same as the other model extend8-mutant1 that we just need to find the parameters to make this term positive? We need to go back to the literature to understand the mathematical proof.

Now I try to plug in some arbitrary parameter to test:

NB: the following parameter set I chose is based on the thermodynamic balance of allosteric regulations,

which is
$$\frac{k_1}{k_2} \cdot \frac{k_{13}}{k_{14}} = \frac{k_4}{k_5} \cdot \frac{k_9}{k_{10}}$$

$$\begin{aligned} params &:= \left\{k_1 = 0.01, k_2 = 1, k_3 = 1, k_4 = 0.1, k_5 = 0.001, k_6 = 100, k_7 = 100, k_8 = 0.1, k_9 = 0.001, k_{10} = 0.1, k_{11} = 1, k_{12} = 0.001, k_{13} = 1, k_{14} = 0.01\right\} : \end{aligned}$$

>
$$params := \{k_1 = 0.01, k_2 = 1, k_3 = 1, k_4 = 0.1, k_5 = 0.001, k_6 = 100, k_7 = 100, k_8 = 0.1, k_9 = 0.001, k_{10} = 0.1, k_{11} = 1, k_{12} = 0.001, k_{13} = 1, k_{14} = 0.01\}:$$

> $subs(params, term)$

10.00086822 (11)

$$\Rightarrow$$
 finalPol2 := subs(params, finalPol)

$$finalPol2 := 10.00086822 x_4 x_5^2 - 12.61185108 x_4 x_5 - 319.4016502 x_4 - 104.2503549 x_5^4$$
 (12)

$$-415.6583015 x_5^3 - 3516.403236 x_5^2 - 4089.180988 x_5$$

$$\rightarrow$$
 finalPol2 := collect(%, x_4)

$$finalPol2 := \left(10.00086822 \, x_5^2 - 12.61185108 \, x_5 - 319.4016502\right) x_4 - 104.2503549 \, x_5^4 \tag{13}$$

$$-415.6583015 x_5^3 - 3516.403236 x_5^2 - 4089.180988 x_5$$

$$> x5 := 10$$
:

 $\rightarrow subs(x_5 = x5, finalPol2)$

$$554.5666610 x_4 - 1.850693984 \cdot 10^6$$
 (14)

$$\overline{}$$
 > $x4 := solve(\%, x_4)$

$$x4 := 3337.189402 \tag{15}$$

```
> subs(params, x_4 = x4, x_5 = x5, finalPol)
                                                                                                                                                        -0.0005
                                                                                                                                                                                                                                                                                                                                                 (16)
 > # Now we need to calculate the steady states from parameter set and x_4 and x_5.
> solution2 := subs (params, x_4 = x4, x_5 = x5, solution)
 (17)
                 = 3.367016080]]
> B_1 := subs(solution2[1], x_4 = x_4, x_5 = x_5, x_1 + x_2 + x_3 + x_4 + x_6 + x_7)
                                                                                                                                    B_1 := 4651.397992
                                                                                                                                                                                                                                                                                                                                                 (18)
> B_2 := subs(solution2[1], x_4 = x4, x_5 = x5, x_5 + x_6 + x_7)
                                                                                                                                    B_{\gamma} := 45.83651967
                                                                                                                                                                                                                                                                                                                                                 (19)
> subs (params, T_1 = B_1, T_2 = B_2, subsEqs)
  \left[-101\,x_{2}+0.001\,x_{4}+x_{6},\,-0.1\,x_{3}\,x_{5}+0.001\,x_{1}-0.1\,x_{3}+0.1\,x_{4}+0.001\,x_{7},\,-0.01\,x_{1}\,x_{5}\right]
                                                                                                                                                                                                                                                                                                                                                  (20)
                 -0.001 x_1 + 100 x_2 + 0.1 x_3 + x_6, 0.01 x_1 x_5 - 3 x_6 + 0.01 x_7, 0.1 x_3 x_5 + x_6
                 -100.011 x_7, x_1 + x_2 + x_3 + x_4 + x_6 + x_7 - 4651.397992, x_5 + x_6 + x_7 - 45.83651967
 > solutionSS := solve(%)
 (21)
                 = 13.86151767, x_6 = 28.18436818, x_7 = 3.790633823}, \{x_1 = 973.6731642, x_2
                 = 0.3545160537, x_3 = 304.2609276, x_4 = 3337.273435, x_5 = 10.00057068, x_6 = 10.0005706, x_
                 =32.46884798, x_7=3.367101009 \}, \ \{x_1=973.8236467, x_2=0.3545273712, x_3=0.3545273712, x_3=0.3545272712, x_3=0.3545272, x_3=0.354272, x_
                 = 304.2773545, x_4 = 3337.105373, x_5 = 9.999429401, x_6 = 32.47015912, x_7
                 = 3.366931153 }
        # we calculate the stability of those two steady states:
 > ssJ := VectorCalculus[Jacobian](ssEqs, [seq(x_i, i = 1..7)])
 ssJ := \left[ \left[ -k_1 x_5 - k_9, k_7, k_{10}, 0, -k_1 x_1, k_2, 0 \right] \right]
                                                                                                                                                                                                                                                                                                                                                  (22)
               [0, -k_7 - k_{11}, 0, k_{12}, 0, k_3, 0],
               [k_9, 0, -k_4 x_5 - k_{10}, k_8, -k_4 x_3, 0, k_5],
               [0, k_{11}, 0, -k_8 - k_{12}, 0, 0, k_6],
              [-k_1 x_5, 0, -k_4 x_5, 0, -k_1 x_1 - k_4 x_3, k_2 + k_3, k_5 + k_6],
               [k_1 x_5, 0, 0, 0, k_1 x_1, -k_2 - k_3 - k_{13}, k_{14}],
```

$$\left[0, 0, k_4 x_5, 0, k_4 x_3, k_{13}, -k_5 - k_6 - k_{14}\right]\right]$$

> subs(params, solutionSS[1], ssJ); Eigenvalues(%)

$$\begin{bmatrix} -0.1396151767 & 100 & 0.1 & 0 & -6.097110014 & 1 & 0 \\ 0 & -101 & 0 & 0.001 & 0 & 1 & 0 \\ 0.001 & 0 & -1.486151767 & 0.1 & -25.31618251 & 0 & 0.001 \\ 0 & 1 & 0 & -0.101 & 0 & 0 & 100 \\ -0.1386151767 & 0 & -1.386151767 & 0 & -31.41329252 & 2 & 100.001 \\ 0 & 0 & 0 & 0 & 6.097110014 & -3 & 0.01 \\ 0 & 0 & 1.386151767 & 0 & 25.31618251 & 1 & -100.011 \\ \end{bmatrix}$$

$$\begin{bmatrix}
-126.878760839717 + 0. I \\
-100.998605837052 + 0. I \\
-7.73117072279900 + 0. I \\
-1.54152415153697 + 0. I \\
-0.000997982251059403 + 0. I \\
-1.50173523927320 $10^{-15} + 0. I$

$$6.96552727804085 10^{-8} + 0. I$$$$

> subs(params, solutionSS[2], ssJ); Eigenvalues(%)

$$\begin{array}{c} -133.066287572301 + 0. \ I \\ -100.998997297821 + 0. \ I \\ -10.2441063305620 + 0. \ I \\ -1.16649625501007 + 0. \ I \\ 0.00000461557922948924 + 0. \ I \\ -0.00000433468584816561 + 0. \ I \\ -1.06447014748272 \ 10^{-15} + 0. \ I \end{array}$$

> subs(params, solutionSS[3], ssJ); Eigenvalues(%)

-0.1009942940	100	0.1	0	-9.738236467	1	0
0	-101	0	0.001	0	1	0
0.001	0	-1.099942940	0.1	-30.42773545	0	0.001
0	1	0	-0.101	0	0	100
-0.09999429401	0	-0.9999429401	0	-40.16597192	2	100.001
0.09999429401	0	0	0	9.738236467	-3	0.01
0	0	0.9999429401	0	30.42773545	1	-100.011

-133.068402840814 + 0. I -100.998997413489 + 0. I -10.2451228475621 + 0. I -1.16638577095404 + 0. I $-1.40594619852192 10^{-7} + 0.00000545661044838133 I$ $-1.40594619852192 10^{-7} - 0.00000545661044838133 I$

(25)

 $8.70977221979375 \cdot 10^{-12} + 0. I$