

(Alt) In[ ]:=

```

SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\HigherRank\\Rolands_A2"];
Once[<< KnotTheory`];
<< ../Rot.m
( $\alpha_-^+$ )^+ :=  $\alpha^{++}$ ; (* this is for cosmetic reasons only *)

```

Loading Rot.m from <http://drorbn.net/AP/Projects/HigherRank> to compute rotation numbers.

(Alt) In[ ]:=

```

r0[1, i_, j_] := 2 (-T1 + T2 + T1 T2) p3,j x1,i x2,i - 2 (-1 + T2) p3,j x1,j x2,i - 2 p3,j x1,i x2,j
(*from r0p*)
r0[-1, i_, j_] := -  $\frac{2 p_{3,j} x_{1,i} x_{2,i}}{T_1} + \frac{2 (-1 + T_2) p_{3,j} x_{1,j} x_{2,i}}{T_2} + \frac{2 p_{3,j} x_{1,i} x_{2,j}}{T_1}$ 
r1[1, i_, j_] :=
-  $\frac{3}{2} - 2 p_{1,i} x_{1,i} - 2 p_{1,j} x_{1,i} - p_{1,i} p_{1,j} x_{1,i}^2 - \frac{1}{2} (-1 + T_1) (2 + T_1) p_{1,j}^2 x_{1,i}^2 + \frac{4 p_{1,j} x_{1,j}}{T_1} -$ 
 $p_{1,i} p_{1,j} x_{1,i} x_{1,j} + \frac{1}{2} (3 + T_1) p_{1,j}^2 x_{1,i} x_{1,j} - 2 p_{2,i} x_{2,i} + 2 p_{2,j} x_{2,i} - 2 p_{1,j} p_{2,i} x_{1,i} x_{2,i} +$ 
 $\left( (1 - 3 T_1 + 2 T_2 - 4 T_1 T_2 + 9 T_1^2 T_2 - 4 T_2^2 + 11 T_1 T_2^2 - 18 T_1^2 T_2^2 - 4 T_1 T_2^3 + 9 T_1^2 T_2^3) p_{1,i} p_{2,j} x_{1,i} x_{2,i} \right) /$ 
 $((-1 + T_1) (-1 + 2 T_2)) + (1 + 4 T_1 - 6 T_2 + 9 T_1 T_2 - 9 T_1^2 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,j} x_{1,i} x_{2,i} +$ 
 $(-4 + 3 T_1 + 16 T_1 T_2 - 9 T_1^2 T_2 + 8 T_2^2 - 22 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,i} x_{1,j} x_{2,i}$ 
 $\frac{(-1 + T_1) (-1 + 2 T_2)}{(-1 + T_2) (2 + T_1 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,j} x_{1,j} x_{2,i}}$ 
 $\frac{(-1 + T_1) (-1 + 2 T_2)}{2 p_{2,i} p_{2,j} x_{2,i}^2 - \frac{1}{2} (-1 + T_2) (4 + T_2) p_{2,j}^2 x_{2,i}^2 + 2 p_{1,i} p_{2,j} x_{1,i} x_{2,j} -$ 
 $(3 T_1 - 4 T_2 + 7 T_1 T_2 - 9 T_1^2 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,j} x_{1,i} x_{2,j} - p_{2,i} p_{2,j} x_{2,i} x_{2,j} +$ 
 $\frac{1}{2} (5 + T_2) p_{2,j}^2 x_{2,i} x_{2,j} + \frac{(T_1 + 4 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,i} x_{3,i}}{2 (-1 + 2 T_2)}$ 
 $\frac{1}{2} p_{1,i} p_{2,j} x_{3,i} - \frac{(-1 + T_1 + 6 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,j} x_{3,i}}{2 (-1 + 2 T_2)}$ 
 $2 p_{3,i} x_{3,i} + p_{3,j} x_{3,i} + 2 p_{1,j} p_{3,i} x_{1,i} x_{3,i} - 2 p_{1,i} p_{3,j} x_{1,i} x_{3,i} - \frac{1}{-1 + 2 T_2}$ 
 $(-3 T_1 + 4 T_2 - 5 T_1 T_2 + 10 T_1^2 T_2 - 4 T_1 T_2^2 + 2 T_1^2 T_2^2 - 9 T_1^3 T_2^2 - 4 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{1,j} p_{3,j} x_{1,i} x_{3,i} +$ 
 $(6 - 4 T_1 + T_1^2 + 4 T_2 - 13 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{3,i} x_{1,j} x_{3,i} + p_{1,i} p_{3,j} x_{1,j} x_{3,i} +$ 
 $\frac{(-1 + T_1) (-1 + T_1 T_2)}{((-3 + T_1 - T_1^2 + 6 T_2 - 4 T_1 T_2 + 12 T_1^2 T_2 - 7 T_1^2 T_2^2 - 9 T_1^3 T_2^2 - 4 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{1,j} p_{3,j} x_{1,j} x_{3,i}) /$ 
 $((-1 + T_1) (-1 + 2 T_2)) + p_{2,j} p_{3,i} x_{2,i} x_{3,i} - p_{2,i} p_{3,j} x_{2,i} x_{3,i} -$ 
 $\frac{1}{(-1 + T_1) (-1 + 2 T_2)} (-1 + T_1 + 5 T_2 - 4 T_1 T_2 + 2 T_2^2 - 20 T_1 T_2^2 + 10 T_1^2 T_2^2 - 8 T_2^3 +$ 
 $18 T_1 T_2^3 + 11 T_1^2 T_2^3 - 9 T_1^3 T_2^3 + 8 T_1 T_2^4 - 22 T_1^2 T_2^4 + 9 T_1^3 T_2^4) p_{2,j} p_{3,j} x_{2,i} x_{3,i} -$ 

```

$$\begin{aligned}
& \left( (-3 + 2 T_1 - T_2 + 21 T_1 T_2 - 11 T_1^2 T_2 + 14 T_2^2 - 44 T_1 T_2^2 + T_1^2 T_2^2 + 9 T_1^3 T_2^2 - 8 T_2^3 + 10 T_1 T_2^3 + \right. \\
& \quad \left. 33 T_1^2 T_2^3 - 18 T_1^3 T_2^3 + 8 T_1 T_2^4 - 22 T_1^2 T_2^4 + 9 T_1^3 T_2^4) p_{2,j} p_{3,i} x_{2,j} x_{3,i} \right) / ((-1 + T_1) (-1 + T_2) \\
& \quad (-1 + 2 T_2) (-1 + T_1 T_2)) + \frac{(T_1 + 4 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{2,i} p_{3,j} x_{2,j} x_{3,i}}{(-1 + T_1) (-1 + 2 T_2)} - \\
& \left( (-1 - 3 T_2 + 12 T_1 T_2 - T_1^2 T_2 + 6 T_2^2 - 11 T_1 T_2^2 - 7 T_1^2 T_2^2 - 4 T_1 T_2^3 + 9 T_1^2 T_2^3) p_{2,j} p_{3,j} x_{2,j} x_{3,i} \right) / \\
& \left( (-1 + T_1) (-1 + T_2) (-1 + 2 T_2) \right) - p_{3,i} p_{3,j} x_{3,i}^2 + \frac{1}{2 (-1 + T_1) (-1 + 2 T_2)} (-1 + T_1 T_2) \\
& \left( -2 + 2 T_1 + 4 T_2 - 7 T_1 T_2 + 2 T_1^2 T_2 - 2 T_1 T_2^2 + 18 T_1^2 T_2^2 - 9 T_1^3 T_2^2 + 8 T_1 T_2^3 - 22 T_1^2 T_2^3 + 9 T_1^3 T_2^3 \right) \\
& p_{3,j}^2 x_{3,i}^2 + \frac{(-4 + 9 T_1) p_{3,j} x_{3,j}}{T_1} - \\
& \left( (-4 + 3 T_1 - T_1^2 + 12 T_2 - 17 T_1 T_2 + 12 T_1^2 T_2 - 4 T_1 T_2^2 + 2 T_1^2 T_2^2 - 9 T_1^3 T_2^2 - 4 T_1^2 T_2^3 + 9 T_1^3 T_2^3) \right. \\
& \quad \left. p_{1,i} p_{3,j} x_{1,i} x_{3,j} \right) / ((-1 + T_1) (-1 + 2 T_2) (-1 + T_1 T_2)) - \\
& \frac{(2 - 4 T_1 + T_1^2) p_{1,j} p_{3,j} x_{1,i} x_{3,j}}{-1 + T_1 T_2} + \frac{(-1 - T_2 + T_1 T_2) p_{2,i} p_{3,j} x_{2,i} x_{3,j}}{(-1 + T_2) (-1 + T_1 T_2)} + \\
& \left( (-1 + T_2) (1 - T_1 - 2 T_2 + T_1^2 T_2 - 8 T_2^2 + 26 T_1 T_2^2 - 11 T_1^2 T_2^2 + 8 T_1 T_2^3 - 22 T_1^2 T_2^3 + 9 T_1^3 T_2^3) \right. \\
& \quad \left. p_{2,j} p_{3,j} x_{2,i} x_{3,j} \right) / ((-1 + T_1) (-1 + 2 T_2) (-1 + T_1 T_2)) + \\
& \frac{(-3 + 2 T_1 - 2 T_2 + 18 T_1 T_2 - 9 T_1^2 T_2 + 8 T_2^2 - 22 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{3,i} p_{3,j} x_{3,i} x_{3,j}}{(-1 + T_1) (-1 + 2 T_2)} - \\
& \frac{1}{2 (-1 + T_1) (-1 + 2 T_2)} (-5 + 4 T_1 + 2 T_2 + 11 T_1 T_2 - 7 T_1^2 T_2 + 8 T_2^2 - \\
& \quad 24 T_1 T_2^2 + 27 T_1^2 T_2^2 - 9 T_1^3 T_2^2 + 8 T_1 T_2^3 - 22 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{3,j}^2 x_{3,i} x_{3,j} \\
r_1[-1, i_-, j_-] := & \\
& \frac{3}{2} + 2 p_{1,i} x_{1,i} - \frac{2 (-2 + T_1^2) p_{1,j} x_{1,i}}{T_1^2} + p_{1,i} p_{1,j} x_{1,i}^2 - \frac{(-1 + T_1) (1 + 2 T_1) p_{1,j}^2 x_{1,i}^2}{2 T_1^2} - \\
& \frac{4 p_{1,j} x_{1,j}}{T_1} + p_{1,i} p_{1,j} x_{1,i} x_{1,j} - \frac{(1 + 3 T_1) p_{1,j}^2 x_{1,i} x_{1,j}}{2 T_1} + 2 p_{2,i} x_{2,i} - 2 p_{2,j} x_{2,i} - \\
& \frac{(-2 + 3 T_1 - 4 T_2 + 16 T_1 T_2 - 9 T_1^2 T_2 + 8 T_2^2 - 22 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,i} x_{1,i} x_{2,i}}{T_1 (-1 + 2 T_2)} - \\
& \left( (-1 - T_1 + 8 T_2 - 10 T_1 T_2 + 9 T_1^2 T_2 - 8 T_2^2 + 15 T_1 T_2^2 - 18 T_1^2 T_2^2 - 4 T_1 T_2^3 + 9 T_1^2 T_2^3) p_{1,i} p_{2,j} x_{1,i} x_{2,i} \right) / \\
& \left( (-1 + T_1) T_2 (-1 + 2 T_2) \right) + \frac{1}{T_1 T_2 (-1 + 2 T_2)} \\
& \left( -4 T_1 + 8 T_2 - 14 T_1 T_2 + 18 T_1^2 T_2 - 12 T_2^2 + 35 T_1 T_2^2 - 36 T_1^2 T_2^2 + 8 T_2^3 - 26 T_1 T_2^3 + 18 T_1^2 T_2^3 \right) p_{1,j} \\
& p_{2,j} x_{1,i} x_{2,i} - \frac{(-4 + 3 T_1 + 16 T_1 T_2 - 9 T_1^2 T_2 + 8 T_2^2 - 22 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,i} x_{1,j} x_{2,i}}{(-1 + T_1) (-1 + 2 T_2)} + \\
& \frac{(-1 + T_2) (2 - 4 T_1 + 4 T_2 - 13 T_1 T_2 + 9 T_1^2 T_2) p_{1,j} p_{2,j} x_{1,j} x_{2,i}}{(-1 + T_1) T_2} + \frac{(1 + T_2) p_{2,i} p_{2,j} x_{2,i}^2}{T_2} - \\
& \frac{(-1 + T_2) (3 + 2 T_2) p_{2,j}^2 x_{2,i}^2}{2 T_2^2} - 2 p_{1,i} p_{2,j} x_{1,i} x_{2,j} +
\end{aligned}$$

$$\begin{aligned}
& \frac{(2 + T_1 - 8 T_2 + 11 T_1 T_2 - 9 T_1^2 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,j} x_{1,i} x_{2,j}}{T_1 (-1 + 2 T_2)} + p_{2,i} p_{2,j} x_{2,i} x_{2,j} - \\
& \frac{3 (1 + T_2) p_{2,j}^2 x_{2,i} x_{2,j}}{2 T_2} - \frac{(T_1 + 4 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{2,i} x_{3,i}}{2 T_1 (-1 + 2 T_2)} - \frac{p_{1,i} p_{2,j} x_{3,i}}{2 T_2} + \\
& \frac{(-T_1 + 3 T_1 T_2 + 4 T_2^2 - 11 T_1 T_2^2 - 4 T_1 T_2^3 + 9 T_1^2 T_2^3) p_{1,j} p_{2,j} x_{3,i}}{2 T_1 T_2 (-1 + 2 T_2)} + 2 p_{3,i} x_{3,i} - \frac{1}{T_1^2 T_2 (-1 + 2 T_2)} \\
& (-4 + 9 T_1 - T_1^2 + 8 T_2 - 18 T_1 T_2 + T_1^2 T_2 - 4 T_1 T_2^2 + 15 T_1^2 T_2^2 - 9 T_1^3 T_2^2 - 4 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{3,j} x_{3,i} - \\
& \frac{(4 - 4 T_1 + T_1^2 + 4 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{3,i} x_{1,i} x_{3,i}}{T_1 (-1 + T_1 T_2)} + \\
& \left( (-2 T_1 + 4 T_2 - 7 T_1 T_2 + 10 T_1^2 T_2 - 4 T_1 T_2^2 + 2 T_1^2 T_2^2 - 9 T_1^3 T_2^2 - 4 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{1,i} p_{3,j} x_{1,i} x_{3,i} \right) / \\
& \frac{((-1 + T_1) T_1 T_2 (-1 + 2 T_2)) - 1}{T_1^2 T_2 (-1 + 2 T_2)} \\
& (2 - 6 T_1 + T_1^2 + T_1 T_2 + 8 T_1^2 T_2 - 4 T_1 T_2^2 + 2 T_1^2 T_2^2 - 9 T_1^3 T_2^2 - 4 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{1,j} p_{3,j} x_{1,i} x_{3,i} - \\
& \frac{(6 - 4 T_1 + T_1^2 + 4 T_2 - 13 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{3,i} x_{1,j} x_{3,i}}{(-1 + T_1) (-1 + T_1 T_2)} - \frac{p_{1,i} p_{3,j} x_{1,j} x_{3,i}}{T_2} + \\
& \left( (-4 + 6 T_1 - 2 T_1^2 + 8 T_2 - 11 T_1 T_2 + 4 T_1^2 T_2 + 4 T_2^2 - 11 T_1 T_2^2 - 4 T_1 T_2^3 + 9 T_1^2 T_2^3) p_{1,j} p_{3,j} x_{1,j} x_{3,i} \right) / \\
& \left( (-1 + T_1) T_1 T_2 (-1 + 2 T_2) \right) + \left( (-2 + T_1 - 3 T_2 + 22 T_1 T_2 - 10 T_1^2 T_2 + 14 T_2^2 - 42 T_1 T_2^2 - \right. \\
& \quad \left. T_1^2 T_2^2 + 9 T_1^3 T_2^2 - 8 T_2^3 + 10 T_1 T_2^3 + 33 T_1^2 T_2^3 - 18 T_1^3 T_2^3 + 8 T_1 T_2^4 - 22 T_1^2 T_2^4 + 9 T_1^3 T_2^4) \right. \\
& \quad \left. p_{2,j} p_{3,i} x_{2,i} x_{3,i} \right) / \left( (-1 + T_1) T_2 (-1 + 2 T_2) (-1 + T_1 T_2) \right) + \\
& \left( (-2 + T_1) (T_1 + 3 T_2 - 12 T_1 T_2 - 6 T_2^2 + 17 T_1 T_2^2 + 9 T_1^2 T_2^2 + 4 T_2^3 - 3 T_1 T_2^3 - 18 T_1^2 T_2^3 - 4 T_1 T_2^4 + 9 T_1^2 T_2^4) \right. \\
& \quad \left. p_{2,i} p_{3,j} x_{2,i} x_{3,i} \right) / \left( (-1 + T_1) T_1 (-1 + T_2) T_2 (-1 + 2 T_2) \right) - \\
& \frac{1}{(-1 + T_1) T_1 T_2^2} (1 + T_1 - T_1^2 + 5 T_2 - 24 T_1 T_2 + 11 T_1^2 T_2 - 8 T_2^2 + 18 T_1 T_2^2 + 11 T_1^2 T_2^2 - \\
& \quad 9 T_1^3 T_2^2 + 8 T_1 T_2^3 - 22 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{2,j} p_{3,j} x_{2,i} x_{3,i} + \\
& \left( (-3 + 2 T_1 - T_2 + 21 T_1 T_2 - 11 T_1^2 T_2 + 14 T_2^2 - 44 T_1 T_2^2 + T_1^2 T_2^2 + 9 T_1^3 T_2^2 - 8 T_2^3 + 10 T_1 T_2^3 + \right. \\
& \quad \left. 33 T_1^2 T_2^3 - 18 T_1^3 T_2^3 + 8 T_1 T_2^4 - 22 T_1^2 T_2^4 + 9 T_1^3 T_2^4) p_{2,j} p_{3,i} x_{2,j} x_{3,i} \right) / \left( (-1 + T_1) (-1 + T_2) \right. \\
& \quad \left. (-1 + 2 T_2) (-1 + T_1 T_2) \right) - \frac{(T_1 + 4 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{2,i} p_{3,j} x_{2,j} x_{3,i}}{(-1 + T_1) T_1 (-1 + 2 T_2)} - \\
& \frac{1}{(-1 + T_1) T_1 T_2 (-1 + 2 T_2)} (1 + 6 T_2 - 25 T_1 T_2 + 10 T_1^2 T_2 - 12 T_2^2 + 29 T_1 T_2^2 + \\
& \quad 11 T_1^2 T_2^2 - 9 T_1^3 T_2^2 + 12 T_1 T_2^3 - 31 T_1^2 T_2^3 + 9 T_1^3 T_2^3) p_{2,j} p_{3,j} x_{2,j} x_{3,i} - \\
& \left( (2 - T_1 + 4 T_2 - 23 T_1 T_2 + 11 T_1^2 T_2 - 8 T_2^2 + 20 T_1 T_2^2 + 9 T_1^2 T_2^2 - 9 T_1^3 T_2^2 + 8 T_1 T_2^3 - 22 T_1^2 T_2^3 + 9 T_1^3 T_2^3) \right. \\
& \quad \left. p_{3,i} p_{3,j} x_{3,i}^2 \right) / \left( (-1 + T_1) T_1 T_2 (-1 + 2 T_2) \right) + \\
& \left( (-1 + T_1 T_2) (1 + 6 T_2 - 28 T_1 T_2 + 13 T_1^2 T_2 - 8 T_2^2 + 18 T_1 T_2^2 + 27 T_1^2 T_2^2 - 18 T_1^3 T_2^2 + 16 T_1 T_2^3 - \right. \\
& \quad \left. 44 T_1^2 T_2^3 + 18 T_1^3 T_2^3) p_{3,j}^2 x_{3,i}^2 \right) / \left( 2 (-1 + T_1) T_1^2 T_2^2 (-1 + 2 T_2) \right) - \frac{(-4 + 9 T_1) p_{3,j} x_{3,j}}{T_1} + \\
& \left( (-4 + 3 T_1 - T_1^2 + 12 T_2 - 17 T_1 T_2 + 12 T_1^2 T_2 - 4 T_1 T_2^2 + 2 T_1^2 T_2^2 - 9 T_1^3 T_2^2 - 4 T_1^2 T_2^3 + 9 T_1^3 T_2^3) \right. \\
& \quad \left. p_{1,i} p_{3,j} x_{1,i} x_{3,j} \right) / \left( (-1 + T_1) (-1 + 2 T_2) (-1 + T_1 T_2) \right) -
\end{aligned}$$

$$\frac{(2 + T_1 - 8 T_2 + 11 T_1 T_2 - 9 T_1^2 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{1,j} p_{3,j} x_{1,i} x_{3,j}}{T_1 (-1 + 2 T_2)} -$$

$$\frac{(-1 - T_2 + T_1 T_2) p_{2,i} p_{3,j} x_{2,i} x_{3,j}}{(-1 + T_2) (-1 + T_1 T_2)} -$$

$$\frac{(-2 + T_1) (1 + 2 T_2 - 9 T_1 T_2 - 4 T_2^2 + 9 T_1 T_2^2) p_{2,j} p_{3,j} x_{2,i} x_{3,j}}{(-1 + T_1) (-1 + 2 T_2)} -$$

$$\frac{(-3 + 2 T_1 - 2 T_2 + 18 T_1 T_2 - 9 T_1^2 T_2 + 8 T_2^2 - 22 T_1 T_2^2 + 9 T_1^2 T_2^2) p_{3,i} p_{3,j} x_{3,i} x_{3,j}}{(-1 + T_1) (-1 + 2 T_2)} +$$

$$\frac{((1 + 6 T_2 - 31 T_1 T_2 + 15 T_1^2 T_2 - 8 T_2^2 + 16 T_1 T_2^2 + 45 T_1^2 T_2^2 - 27 T_1^3 T_2^2 + 24 T_1 T_2^3 - 66 T_1^2 T_2^3 + 27 T_1^3 T_2^3) p_{3,j}^2 x_{3,i} x_{3,j})}{(2 (-1 + T_1) T_1 T_2 (-1 + 2 T_2))}$$

(Alt) In[ ]:=

```
g2px[ε_] := Module[{λ}, Expand[ε /. g_{α,i,j} => λ p_{α,i} x_{α,j}] /. λ^{k-} => 1 / k!]
```

(Alt) In[ ]:=

```
{p*, x*, π*, ξ*} = {π, ξ, p, x}; (u_{i-})^* := (u^*)_i;
```

(Alt) In[ ]:=

```
Zip[{}][ε_] := ε;
Zip[{s_, s_...}][ε_] := (Collect[ε // Zip[{s}], s] /. f_ . s^{d-} => (D[f, {s*, d}])) /. s* -> 0
```

(Alt) In[ ]:=

```
px2g[ε_] := Module[{ps, xs, Q},
  ps = Union[Cases[ε, p_, ∞]];
  xs = Union[Cases[ε, x_, ∞]];
  Q = Sum[p0* x0* g_{p0[[2],x0[[2]],p0[[3],x0[[3]]], {p0, ps}, {x0, xs}];
  Expand[Zip_{ps} ∪_{xs} [ε e^Q] /. g_{α,β,i,j} => If[α == β, g_{α,i,j}, 0]]
]
```

(Alt) In[ ]:=

```
px2g[p_{2,j}^2 x_{2,i} x_{2,j}]
```

(Alt) Out[ ]=

```
2 g_{2,j,i} g_{2,j,j}
```

(Alt) In[ ]:=

```
Coefficient[r_1[1, i, j] /. t : (x | p) -> λ t, λ^3] /. x_{3,α} p_{1,β} p_{2,γ} => y_{α,β,γ}
```

(Alt) Out[ ]=

$$\frac{1}{2} y_{i,i,j} + \frac{(T_1 + 4 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) y_{i,j,i}}{2 (-1 + 2 T_2)} -$$

$$\frac{(-1 + T_1 + 6 T_2 - 11 T_1 T_2 - 4 T_1 T_2^2 + 9 T_1^2 T_2^2) y_{i,j,j}}{2 (-1 + 2 T_2)}$$

(Alt) In[ ]:=

```

R1[1, i_, j_] := Evaluate [px2g[r1[1, i, j]] +
  (Coefficient[r1[1, i, j] /. t: (x | p) _ -> λ t, λ^3] /. x3,α p1,β p2,γ -> yα,β,γ)]
R1[-1, i_, j_] := Evaluate [px2g[r1[-1, i, j]] +
  (Coefficient[r1[-1, i, j] /. t: (x | p) _ -> λ t, λ^3] /. x3,α p1,β p2,γ -> yα,β,γ)]

```

(Alt) In[ ]:=

CF[R1[1, i, j]]

(Alt) Out[ ]:=

$$\begin{aligned}
& (-3 T_1 + 3 T_1^2 + 9 T_1 T_2 - 6 T_1^2 T_2 - 3 T_1^3 T_2 - 6 T_1 T_2^2 - 3 T_1^2 T_2^2 + 9 T_1^3 T_2^2 + 6 T_1^2 T_2^3 - 6 T_1^3 T_2^3 - 4 T_1 g_{1,i,i} + \\
& 4 T_1^2 g_{1,i,i} + 12 T_1 T_2 g_{1,i,i} - 8 T_1^2 T_2 g_{1,i,i} - 4 T_1^3 T_2 g_{1,i,i} - 8 T_1 T_2^2 g_{1,i,i} - 4 T_1^2 T_2^2 g_{1,i,i} + \\
& 12 T_1^3 T_2^2 g_{1,i,i} + 8 T_1^2 T_2^3 g_{1,i,i} - 8 T_1^3 T_2^3 g_{1,i,i} - 4 T_1 g_{1,j,i} + 4 T_1^2 g_{1,j,i} + 12 T_1 T_2 g_{1,j,i} - \\
& 8 T_1^2 T_2 g_{1,j,i} - 4 T_1^3 T_2 g_{1,j,i} - 8 T_1 T_2^2 g_{1,j,i} - 4 T_1^2 T_2^2 g_{1,j,i} + 12 T_1^3 T_2^2 g_{1,j,i} + 8 T_1^2 T_2^3 g_{1,j,i} - \\
& 8 T_1^3 T_2^3 g_{1,j,i} - 4 T_1 g_{1,i,i} g_{1,j,i} + 4 T_1^2 g_{1,i,i} g_{1,j,i} + 12 T_1 T_2 g_{1,i,i} g_{1,j,i} - 8 T_1^2 T_2 g_{1,i,i} g_{1,j,i} - \\
& 4 T_1^3 T_2 g_{1,i,i} g_{1,j,i} - 8 T_1 T_2^2 g_{1,i,i} g_{1,j,i} - 4 T_1^2 T_2^2 g_{1,i,i} g_{1,j,i} + 12 T_1^3 T_2^2 g_{1,i,i} g_{1,j,i} + \\
& 8 T_1^2 T_2^3 g_{1,i,i} g_{1,j,i} - 8 T_1^3 T_2^3 g_{1,i,i} g_{1,j,i} - 2 T_1 g_{1,i,j} g_{1,j,i} + 2 T_1^2 g_{1,i,j} g_{1,j,i} + 6 T_1 T_2 g_{1,i,j} g_{1,j,i} - \\
& 4 T_1^2 T_2 g_{1,i,j} g_{1,j,i} - 2 T_1^3 T_2 g_{1,i,j} g_{1,j,i} - 4 T_1 T_2^2 g_{1,i,j} g_{1,j,i} - 2 T_1^2 T_2^2 g_{1,i,j} g_{1,j,i} + \\
& 6 T_1^3 T_2^2 g_{1,i,j} g_{1,j,i} + 4 T_1^2 T_2^3 g_{1,i,j} g_{1,j,i} - 4 T_1^3 T_2^3 g_{1,i,j} g_{1,j,i} + 4 T_1 g_{1,j,i}^2 - 6 T_1^2 g_{1,j,i}^2 + \\
& 2 T_1^3 g_{1,j,i}^2 - 12 T_1 T_2 g_{1,j,i}^2 + 14 T_1^2 T_2 g_{1,j,i}^2 + 6 T_1^3 T_2 g_{1,j,i}^2 - 6 T_1^4 T_2 g_{1,j,i}^2 - 2 T_1^5 T_2 g_{1,j,i}^2 + \\
& 8 T_1 T_2^2 g_{1,j,i}^2 - 18 T_1^3 T_2^2 g_{1,j,i}^2 + 4 T_1^4 T_2^2 g_{1,j,i}^2 + 6 T_1^5 T_2^2 g_{1,j,i}^2 - 8 T_1^2 T_2^3 g_{1,j,i}^2 + 12 T_1^3 T_2^3 g_{1,j,i}^2 - \\
& 4 T_1^5 T_2^3 g_{1,j,i}^2 + 8 g_{1,j,j} - 8 T_1 g_{1,j,j} - 24 T_2 g_{1,j,j} + 16 T_1 T_2 g_{1,j,j} + 8 T_1^2 T_2 g_{1,j,j} + 16 T_2^2 g_{1,j,j} + \\
& 8 T_1 T_2^2 g_{1,j,j} - 24 T_1^2 T_2^2 g_{1,j,j} - 16 T_1 T_2^3 g_{1,j,j} + 16 T_1^2 T_2^3 g_{1,j,j} - 2 T_1 g_{1,i,i} g_{1,j,j} + 2 T_1^2 g_{1,i,i} g_{1,j,j} + \\
& 6 T_1 T_2 g_{1,i,i} g_{1,j,j} - 4 T_1^2 T_2 g_{1,i,i} g_{1,j,j} - 2 T_1^3 T_2 g_{1,i,i} g_{1,j,j} - 4 T_1 T_2^2 g_{1,i,i} g_{1,j,j} - \\
& 2 T_1^2 T_2^2 g_{1,i,i} g_{1,j,j} + 6 T_1^3 T_2^2 g_{1,i,i} g_{1,j,j} + 4 T_1^2 T_2^3 g_{1,i,i} g_{1,j,j} - 4 T_1^3 T_2^3 g_{1,i,i} g_{1,j,j} + \\
& 6 T_1 g_{1,j,i} g_{1,j,j} - 4 T_1^2 g_{1,j,i} g_{1,j,j} - 2 T_1^3 g_{1,j,i} g_{1,j,j} - 18 T_1 T_2 g_{1,j,i} g_{1,j,j} + 6 T_1^2 T_2 g_{1,j,i} g_{1,j,j} + \\
& 10 T_1^3 T_2 g_{1,j,i} g_{1,j,j} + 2 T_1^4 T_2 g_{1,j,i} g_{1,j,j} + 12 T_1 T_2^2 g_{1,j,i} g_{1,j,j} + 10 T_1^2 T_2^2 g_{1,j,i} g_{1,j,j} - \\
& 16 T_1^3 T_2^2 g_{1,j,i} g_{1,j,j} - 6 T_1^4 T_2^2 g_{1,j,i} g_{1,j,j} - 12 T_1^2 T_2^3 g_{1,j,i} g_{1,j,j} + 8 T_1^3 T_2^3 g_{1,j,i} g_{1,j,j} + \\
& 4 T_1^4 T_2^3 g_{1,j,i} g_{1,j,j} - 4 T_1 g_{2,i,i} + 4 T_1^2 g_{2,i,i} + 12 T_1 T_2 g_{2,i,i} - 8 T_1^2 T_2 g_{2,i,i} - 4 T_1^3 T_2 g_{2,i,i} - \\
& 8 T_1 T_2^2 g_{2,i,i} - 4 T_1^2 T_2^2 g_{2,i,i} + 12 T_1^3 T_2^2 g_{2,i,i} + 8 T_1^2 T_2^3 g_{2,i,i} - 8 T_1^3 T_2^3 g_{2,i,i} - 4 T_1 g_{1,j,i} g_{2,i,i} + \\
& 4 T_1^2 g_{1,j,i} g_{2,i,i} + 12 T_1 T_2 g_{1,j,i} g_{2,i,i} - 8 T_1^2 T_2 g_{1,j,i} g_{2,i,i} - 4 T_1^3 T_2 g_{1,j,i} g_{2,i,i} - 8 T_1 T_2^2 g_{1,j,i} g_{2,i,i} - \\
& 4 T_1^2 T_2^2 g_{1,j,i} g_{2,i,i} + 12 T_1^3 T_2^2 g_{1,j,i} g_{2,i,i} + 8 T_1^2 T_2^3 g_{1,j,i} g_{2,i,i} - 8 T_1^3 T_2^3 g_{1,j,i} g_{2,i,i} - \\
& 8 T_1 g_{1,j,j} g_{2,i,i} + 6 T_1^2 g_{1,j,j} g_{2,i,i} + 8 T_1 T_2 g_{1,j,j} g_{2,i,i} + 34 T_1^2 T_2 g_{1,j,j} g_{2,i,i} - 24 T_1^3 T_2 g_{1,j,j} g_{2,i,i} + \\
& 16 T_1 T_2^2 g_{1,j,j} g_{2,i,i} - 84 T_1^2 T_2^2 g_{1,j,j} g_{2,i,i} + 10 T_1^3 T_2^2 g_{1,j,j} g_{2,i,i} + 18 T_1^4 T_2^2 g_{1,j,j} g_{2,i,i} - \\
& 16 T_1 T_2^3 g_{1,j,j} g_{2,i,i} + 28 T_1^2 T_2^3 g_{1,j,j} g_{2,i,i} + 58 T_1^3 T_2^3 g_{1,j,j} g_{2,i,i} - 36 T_1^4 T_2^3 g_{1,j,j} g_{2,i,i} + \\
& 16 T_1^2 T_2^4 g_{1,j,j} g_{2,i,i} - 44 T_1^3 T_2^4 g_{1,j,j} g_{2,i,i} + 18 T_1^4 T_2^4 g_{1,j,j} g_{2,i,i} + 4 T_1 g_{2,j,i} - 4 T_1^2 g_{2,j,i} - \\
& 12 T_1 T_2 g_{2,j,i} + 8 T_1^2 T_2 g_{2,j,i} + 4 T_1^3 T_2 g_{2,j,i} + 8 T_1 T_2^2 g_{2,j,i} + 4 T_1^2 T_2^2 g_{2,j,i} - 12 T_1^3 T_2^2 g_{2,j,i} - \\
& 8 T_1^2 T_2^3 g_{2,j,i} + 8 T_1^3 T_2^3 g_{2,j,i} + 2 T_1 g_{1,i,i} g_{2,j,i} - 6 T_1^2 g_{1,i,i} g_{2,j,i} + 2 T_1 T_2 g_{1,i,i} g_{2,j,i} - \\
& 4 T_1^2 T_2 g_{1,i,i} g_{2,j,i} + 24 T_1^3 T_2 g_{1,i,i} g_{2,j,i} - 12 T_1 T_2^2 g_{1,i,i} g_{2,j,i} + 28 T_1^2 T_2^2 g_{1,i,i} g_{2,j,i} - \\
& 52 T_1^3 T_2^2 g_{1,i,i} g_{2,j,i} - 18 T_1^4 T_2^2 g_{1,i,i} g_{2,j,i} + 8 T_1 T_2^3 g_{1,i,i} g_{2,j,i} - 18 T_1^2 T_2^3 g_{1,i,i} g_{2,j,i} + \\
& 24 T_1^3 T_2^3 g_{1,i,i} g_{2,j,i} + 54 T_1^4 T_2^3 g_{1,i,i} g_{2,j,i} + 12 T_1^3 T_2^4 g_{1,i,i} g_{2,j,i} - 54 T_1^4 T_2^4 g_{1,i,i} g_{2,j,i} - \\
& 8 T_1^3 T_2^5 g_{1,i,i} g_{2,j,i} + 18 T_1^4 T_2^5 g_{1,i,i} g_{2,j,i} + 2 T_1 g_{1,j,i} g_{2,j,i} + 6 T_1^2 g_{1,j,i} g_{2,j,i} - 8 T_1^3 g_{1,j,i} g_{2,j,i} - \\
& 18 T_1 T_2 g_{1,j,i} g_{2,j,i} + 10 T_1^2 T_2 g_{1,j,i} g_{2,j,i} - 18 T_1^3 T_2 g_{1,j,i} g_{2,j,i} + 26 T_1^4 T_2 g_{1,j,i} g_{2,j,i} + \\
& 40 T_1 T_2^2 g_{1,j,i} g_{2,j,i} - 68 T_1^2 T_2^2 g_{1,j,i} g_{2,j,i} + 106 T_1^3 T_2^2 g_{1,j,i} g_{2,j,i} - 60 T_1^4 T_2^2 g_{1,j,i} g_{2,j,i} - \\
& 18 T_1^5 T_2^2 g_{1,j,i} g_{2,j,i} - 24 T_1 T_2^3 g_{1,j,i} g_{2,j,i} + 44 T_1^2 T_2^3 g_{1,j,i} g_{2,j,i} - 64 T_1^3 T_2^3 g_{1,j,i} g_{2,j,i} -
\end{aligned}$$

$$\begin{aligned}
 & 28 T_1^4 T_2^3 g_{1,j,i} g_{2,j,i} + 72 T_1^5 T_2^3 g_{1,j,i} g_{2,j,i} + 8 T_1^2 T_2^4 g_{1,j,i} g_{2,j,i} - 32 T_1^3 T_2^4 g_{1,j,i} g_{2,j,i} + \\
 & 114 T_1^4 T_2^4 g_{1,j,i} g_{2,j,i} - 90 T_1^5 T_2^4 g_{1,j,i} g_{2,j,i} + 16 T_1^3 T_2^5 g_{1,j,i} g_{2,j,i} - 52 T_1^4 T_2^5 g_{1,j,i} g_{2,j,i} + \\
 & 36 T_1^5 T_2^5 g_{1,j,i} g_{2,j,i} + 4 T_1 g_{1,j,j} g_{2,j,i} + 2 T_1^2 g_{1,j,j} g_{2,j,i} - 8 T_1 T_2 g_{1,j,j} g_{2,j,i} - 30 T_1^2 T_2 g_{1,j,j} g_{2,j,i} - \\
 & 2 T_1^3 T_2 g_{1,j,j} g_{2,j,i} + 4 T_1 T_2^2 g_{1,j,j} g_{2,j,i} + 46 T_1^2 T_2^2 g_{1,j,j} g_{2,j,i} + 44 T_1^3 T_2^2 g_{1,j,j} g_{2,j,i} - \\
 & 10 T_1^2 T_2^3 g_{1,j,j} g_{2,j,i} - 74 T_1^3 T_2^3 g_{1,j,j} g_{2,j,i} - 18 T_1^4 T_2^3 g_{1,j,j} g_{2,j,i} - 8 T_1^2 T_2^4 g_{1,j,j} g_{2,j,i} + \\
 & 24 T_1^3 T_2^4 g_{1,j,j} g_{2,j,i} + 36 T_1^4 T_2^4 g_{1,j,j} g_{2,j,i} + 8 T_1^3 T_2^5 g_{1,j,j} g_{2,j,i} - 18 T_1^4 T_2^5 g_{1,j,j} g_{2,j,i} - \\
 & 8 T_1 g_{2,i,i} g_{2,j,i} + 8 T_1^2 g_{2,i,i} g_{2,j,i} + 24 T_1 T_2 g_{2,i,i} g_{2,j,i} - 16 T_1^2 T_2 g_{2,i,i} g_{2,j,i} - 8 T_1^3 T_2 g_{2,i,i} g_{2,j,i} - \\
 & 16 T_1 T_2^2 g_{2,i,i} g_{2,j,i} - 8 T_1^2 T_2^2 g_{2,i,i} g_{2,j,i} + 24 T_1^3 T_2^2 g_{2,i,i} g_{2,j,i} + 16 T_1^2 T_2^3 g_{2,i,i} g_{2,j,i} - \\
 & 16 T_1^3 T_2^3 g_{2,i,i} g_{2,j,i} - 2 T_1 g_{2,i,j} g_{2,j,i} + 2 T_1^2 g_{2,i,j} g_{2,j,i} + 6 T_1 T_2 g_{2,i,j} g_{2,j,i} - 4 T_1^2 T_2 g_{2,i,j} g_{2,j,i} - \\
 & 2 T_1^3 T_2 g_{2,i,j} g_{2,j,i} - 4 T_1 T_2^2 g_{2,i,j} g_{2,j,i} - 2 T_1^2 T_2^2 g_{2,i,j} g_{2,j,i} + 6 T_1^3 T_2^2 g_{2,i,j} g_{2,j,i} + \\
 & 4 T_1^2 T_2^3 g_{2,i,j} g_{2,j,i} - 4 T_1^3 T_2^3 g_{2,i,j} g_{2,j,i} + 8 T_1 g_{2,j,i}^2 - 8 T_1^2 g_{2,j,i}^2 - 30 T_1 T_2 g_{2,j,i}^2 + 22 T_1^2 T_2 g_{2,j,i}^2 + \\
 & 8 T_1^3 T_2 g_{2,j,i}^2 + 32 T_1 T_2^2 g_{2,j,i}^2 - 2 T_1^2 T_2^2 g_{2,j,i}^2 - 30 T_1^3 T_2^2 g_{2,j,i}^2 - 6 T_1 T_2^3 g_{2,j,i}^2 - 26 T_1^2 T_2^3 g_{2,j,i}^2 + \\
 & 32 T_1^3 T_2^3 g_{2,j,i}^2 - 4 T_1 T_2^4 g_{2,j,i}^2 + 10 T_1^2 T_2^4 g_{2,j,i}^2 - 6 T_1^3 T_2^4 g_{2,j,i}^2 + 4 T_1^4 T_2^4 g_{2,j,i}^2 - 4 T_1^5 T_2^4 g_{2,j,i}^2 + \\
 & 4 T_1 g_{1,i,i} g_{2,j,j} - 4 T_1^2 g_{1,i,i} g_{2,j,j} - 12 T_1 T_2 g_{1,i,i} g_{2,j,j} + 8 T_1^2 T_2 g_{1,i,i} g_{2,j,j} + 4 T_1^3 T_2 g_{1,i,i} g_{2,j,j} + \\
 & 8 T_1 T_2^2 g_{1,i,i} g_{2,j,j} + 4 T_1^2 T_2^2 g_{1,i,i} g_{2,j,j} - 12 T_1^3 T_2^2 g_{1,i,i} g_{2,j,j} - 8 T_1^2 T_2^3 g_{1,i,i} g_{2,j,j} + \\
 & 8 T_1^3 T_2^3 g_{1,i,i} g_{2,j,j} + 6 T_1^2 g_{1,j,i} g_{2,j,j} - 6 T_1^3 g_{1,j,i} g_{2,j,j} - 8 T_1 T_2 g_{1,j,i} g_{2,j,j} + 16 T_1^2 T_2 g_{1,j,i} g_{2,j,j} - \\
 & 32 T_1^3 T_2 g_{1,j,i} g_{2,j,j} + 24 T_1^4 T_2 g_{1,j,i} g_{2,j,j} + 8 T_1 T_2^2 g_{1,j,i} g_{2,j,j} - 22 T_1^2 T_2^2 g_{1,j,i} g_{2,j,j} + \\
 & 42 T_1^3 T_2^2 g_{1,j,i} g_{2,j,j} - 10 T_1^4 T_2^2 g_{1,j,i} g_{2,j,j} - 18 T_1^5 T_2^2 g_{1,j,i} g_{2,j,j} + 4 T_1^3 T_2^3 g_{1,j,i} g_{2,j,j} - \\
 & 40 T_1^4 T_2^3 g_{1,j,i} g_{2,j,j} + 36 T_1^5 T_2^3 g_{1,j,i} g_{2,j,j} - 8 T_1^3 T_2^4 g_{1,j,i} g_{2,j,j} + 26 T_1^4 T_2^4 g_{1,j,i} g_{2,j,j} - \\
 & 18 T_1^5 T_2^4 g_{1,j,i} g_{2,j,j} - 2 T_1 g_{2,i,i} g_{2,j,j} + 2 T_1^2 g_{2,i,i} g_{2,j,j} + 6 T_1 T_2 g_{2,i,i} g_{2,j,j} - 4 T_1^2 T_2 g_{2,i,i} g_{2,j,j} - \\
 & 2 T_1^3 T_2 g_{2,i,i} g_{2,j,j} - 4 T_1 T_2^2 g_{2,i,i} g_{2,j,j} - 2 T_1^2 T_2^2 g_{2,i,i} g_{2,j,j} + 6 T_1^3 T_2^2 g_{2,i,i} g_{2,j,j} + \\
 & 4 T_1^2 T_2^3 g_{2,i,i} g_{2,j,j} - 4 T_1^3 T_2^3 g_{2,i,i} g_{2,j,j} + 10 T_1 g_{2,j,i} g_{2,j,j} - 10 T_1^2 g_{2,j,i} g_{2,j,j} - 28 T_1 T_2 g_{2,j,i} g_{2,j,j} + \\
 & 18 T_1^2 T_2 g_{2,j,i} g_{2,j,j} + 10 T_1^3 T_2 g_{2,j,i} g_{2,j,j} + 14 T_1 T_2^2 g_{2,j,i} g_{2,j,j} + 14 T_1^2 T_2^2 g_{2,j,i} g_{2,j,j} - \\
 & 28 T_1^3 T_2^2 g_{2,j,i} g_{2,j,j} + 4 T_1 T_2^3 g_{2,j,i} g_{2,j,j} - 18 T_1^2 T_2^3 g_{2,j,i} g_{2,j,j} + 14 T_1^3 T_2^3 g_{2,j,i} g_{2,j,j} - \\
 & 4 T_1^2 T_2^4 g_{2,j,i} g_{2,j,j} + 4 T_1^3 T_2^4 g_{2,j,i} g_{2,j,j} - 4 T_1 g_{3,i,i} + 4 T_1^2 g_{3,i,i} + 12 T_1 T_2 g_{3,i,i} - 8 T_1^2 T_2 g_{3,i,i} - \\
 & 4 T_1^3 T_2 g_{3,i,i} - 8 T_1 T_2^2 g_{3,i,i} - 4 T_1^2 T_2^2 g_{3,i,i} + 12 T_1^3 T_2^2 g_{3,i,i} + 8 T_1^2 T_2^3 g_{3,i,i} - 8 T_1^3 T_2^3 g_{3,i,i} + \\
 & 4 T_1 g_{1,j,i} g_{3,i,i} - 4 T_1^2 g_{1,j,i} g_{3,i,i} - 12 T_1 T_2 g_{1,j,i} g_{3,i,i} + 8 T_1^2 T_2 g_{1,j,i} g_{3,i,i} + 4 T_1^3 T_2 g_{1,j,i} g_{3,i,i} + \\
 & 8 T_1 T_2^2 g_{1,j,i} g_{3,i,i} + 4 T_1^2 T_2^2 g_{1,j,i} g_{3,i,i} - 12 T_1^3 T_2^2 g_{1,j,i} g_{3,i,i} - 8 T_1^2 T_2^3 g_{1,j,i} g_{3,i,i} + \\
 & 8 T_1^3 T_2^3 g_{1,j,i} g_{3,i,i} + 12 T_1 g_{1,j,j} g_{3,i,i} - 8 T_1^2 g_{1,j,j} g_{3,i,i} + 2 T_1^3 g_{1,j,j} g_{3,i,i} - 28 T_1 T_2 g_{1,j,j} g_{3,i,i} - \\
 & 2 T_1^2 T_2 g_{1,j,j} g_{3,i,i} - 6 T_1^3 T_2 g_{1,j,j} g_{3,i,i} + 54 T_1^2 T_2^2 g_{1,j,j} g_{3,i,i} + 22 T_1^3 T_2^2 g_{1,j,j} g_{3,i,i} + \\
 & 16 T_1 T_2^3 g_{1,j,j} g_{3,i,i} - 28 T_1^2 T_2^3 g_{1,j,j} g_{3,i,i} - 54 T_1^3 T_2^3 g_{1,j,j} g_{3,i,i} - 16 T_1^2 T_2^4 g_{1,j,j} g_{3,i,i} + \\
 & 36 T_1^3 T_2^4 g_{1,j,j} g_{3,i,i} + 2 T_1 g_{2,j,i} g_{3,i,i} - 2 T_1^2 g_{2,j,i} g_{3,i,i} - 6 T_1 T_2 g_{2,j,i} g_{3,i,i} + 4 T_1^2 T_2 g_{2,j,i} g_{3,i,i} + \\
 & 2 T_1^3 T_2 g_{2,j,i} g_{3,i,i} + 4 T_1 T_2^2 g_{2,j,i} g_{3,i,i} + 2 T_1^2 T_2^2 g_{2,j,i} g_{3,i,i} - 6 T_1^3 T_2^2 g_{2,j,i} g_{3,i,i} - \\
 & 4 T_1^2 T_2^3 g_{2,j,i} g_{3,i,i} + 4 T_1^3 T_2^3 g_{2,j,i} g_{3,i,i} + 6 T_1 g_{2,j,j} g_{3,i,i} - 4 T_1^2 g_{2,j,j} g_{3,i,i} + 2 T_1 T_2 g_{2,j,j} g_{3,i,i} - \\
 & 42 T_1^2 T_2 g_{2,j,j} g_{3,i,i} + 22 T_1^3 T_2 g_{2,j,j} g_{3,i,i} - 28 T_1 T_2^2 g_{2,j,j} g_{3,i,i} + 88 T_1^2 T_2^2 g_{2,j,j} g_{3,i,i} - \\
 & 2 T_1^3 T_2^2 g_{2,j,j} g_{3,i,i} - 18 T_1^4 T_2^2 g_{2,j,j} g_{3,i,i} + 16 T_1 T_2^3 g_{2,j,j} g_{3,i,i} - 20 T_1^2 T_2^3 g_{2,j,j} g_{3,i,i} - \\
 & 66 T_1^3 T_2^3 g_{2,j,j} g_{3,i,i} + 36 T_1^4 T_2^3 g_{2,j,j} g_{3,i,i} - 16 T_1^2 T_2^4 g_{2,j,j} g_{3,i,i} + 44 T_1^3 T_2^4 g_{2,j,j} g_{3,i,i} - \\
 & 18 T_1^4 T_2^4 g_{2,j,j} g_{3,i,i} + 2 T_1 g_{3,j,i} - 2 T_1^2 g_{3,j,i} - 6 T_1 T_2 g_{3,j,i} + 4 T_1^2 T_2 g_{3,j,i} + 2 T_1^3 T_2 g_{3,j,i} + \\
 & 4 T_1 T_2^2 g_{3,j,i} + 2 T_1^2 T_2^2 g_{3,j,i} - 6 T_1^3 T_2^2 g_{3,j,i} - 4 T_1^2 T_2^3 g_{3,j,i} + 4 T_1^3 T_2^3 g_{3,j,i} - 4 T_1 g_{1,i,i} g_{3,j,i} + \\
 & 4 T_1^2 g_{1,i,i} g_{3,j,i} + 12 T_1 T_2 g_{1,i,i} g_{3,j,i} - 8 T_1^2 T_2 g_{1,i,i} g_{3,j,i} - 4 T_1^3 T_2 g_{1,i,i} g_{3,j,i} - \\
 & 8 T_1 T_2^2 g_{1,i,i} g_{3,j,i} - 4 T_1^2 T_2^2 g_{1,i,i} g_{3,j,i} + 12 T_1^3 T_2^2 g_{1,i,i} g_{3,j,i} + 8 T_1^2 T_2^3 g_{1,i,i} g_{3,j,i} - \\
 & 8 T_1^3 T_2^3 g_{1,i,i} g_{3,j,i} + 2 T_1 g_{1,i,j} g_{3,j,i} - 2 T_1^2 g_{1,i,j} g_{3,j,i} - 6 T_1 T_2 g_{1,i,j} g_{3,j,i} + 4 T_1^2 T_2 g_{1,i,j} g_{3,j,i} + \\
 & 2 T_1^3 T_2 g_{1,i,j} g_{3,j,i} + 4 T_1 T_2^2 g_{1,i,j} g_{3,j,i} + 2 T_1^2 T_2^2 g_{1,i,j} g_{3,j,i} - 6 T_1^3 T_2^2 g_{1,i,j} g_{3,j,i} - \\
 & 4 T_1^2 T_2^3 g_{1,i,j} g_{3,j,i} + 4 T_1^3 T_2^3 g_{1,i,j} g_{3,j,i} - 6 T_1^4 g_{1,j,i} g_{3,j,i} + 6 T_1^3 g_{1,j,i} g_{3,j,i} + 8 T_1 T_2 g_{1,j,i} g_{3,j,i} -
 \end{aligned}$$

$$\begin{aligned}
& 12 T_1^2 T_2 g_{1,j,i} g_{3,j,i} + 30 T_1^3 T_2 g_{1,j,i} g_{3,j,i} - 26 T_1^4 T_2 g_{1,j,i} g_{3,j,i} - 8 T_1 T_2^2 g_{1,j,i} g_{3,j,i} + \\
& 2 T_1^2 T_2^2 g_{1,j,i} g_{3,j,i} - 6 T_1^3 T_2^2 g_{1,j,i} g_{3,j,i} - 26 T_1^4 T_2^2 g_{1,j,i} g_{3,j,i} + 38 T_1^5 T_2^2 g_{1,j,i} g_{3,j,i} + \\
& 16 T_1^2 T_2^3 g_{1,j,i} g_{3,j,i} - 30 T_1^3 T_2^3 g_{1,j,i} g_{3,j,i} + 66 T_1^4 T_2^3 g_{1,j,i} g_{3,j,i} - 34 T_1^5 T_2^3 g_{1,j,i} g_{3,j,i} - \\
& 18 T_1^6 T_2^3 g_{1,j,i} g_{3,j,i} - 6 T_1^4 T_2^4 g_{1,j,i} g_{3,j,i} - 30 T_1^5 T_2^4 g_{1,j,i} g_{3,j,i} + 36 T_1^6 T_2^4 g_{1,j,i} g_{3,j,i} - \\
& 8 T_1^4 T_2^5 g_{1,j,i} g_{3,j,i} + 26 T_1^5 T_2^5 g_{1,j,i} g_{3,j,i} - 18 T_1^6 T_2^5 g_{1,j,i} g_{3,j,i} - 6 T_1 g_{1,j,j} g_{3,j,i} + 2 T_1^2 g_{1,j,j} g_{3,j,i} - \\
& 2 T_1^3 g_{1,j,j} g_{3,j,i} + 18 T_1 T_2 g_{1,j,j} g_{3,j,i} - 4 T_1^2 T_2 g_{1,j,j} g_{3,j,i} + 24 T_1^3 T_2 g_{1,j,j} g_{3,j,i} + \\
& 2 T_1^4 T_2 g_{1,j,j} g_{3,j,i} - 12 T_1 T_2^2 g_{1,j,j} g_{3,j,i} - 10 T_1^2 T_2^2 g_{1,j,j} g_{3,j,i} - 28 T_1^3 T_2^2 g_{1,j,j} g_{3,j,i} - \\
& 44 T_1^4 T_2^2 g_{1,j,j} g_{3,j,i} + 12 T_1^2 T_2^3 g_{1,j,j} g_{3,j,i} - 2 T_1^3 T_2^3 g_{1,j,j} g_{3,j,i} + 74 T_1^4 T_2^3 g_{1,j,j} g_{3,j,i} + \\
& 18 T_1^5 T_2^3 g_{1,j,j} g_{3,j,i} + 8 T_1^3 T_2^4 g_{1,j,j} g_{3,j,i} - 24 T_1^4 T_2^4 g_{1,j,j} g_{3,j,i} - 36 T_1^5 T_2^4 g_{1,j,j} g_{3,j,i} - \\
& 8 T_1^4 T_2^5 g_{1,j,j} g_{3,j,i} + 18 T_1^5 T_2^5 g_{1,j,j} g_{3,j,i} - 2 T_1 g_{2,i,i} g_{3,j,i} + 2 T_1^2 g_{2,i,i} g_{3,j,i} + 6 T_1 T_2 g_{2,i,i} g_{3,j,i} - \\
& 4 T_1^2 T_2 g_{2,i,i} g_{3,j,i} - 2 T_1^3 T_2 g_{2,i,i} g_{3,j,i} - 4 T_1 T_2^2 g_{2,i,i} g_{3,j,i} - 2 T_1^2 T_2^2 g_{2,i,i} g_{3,j,i} + \\
& 6 T_1^3 T_2^2 g_{2,i,i} g_{3,j,i} + 4 T_1^2 T_2^3 g_{2,i,i} g_{3,j,i} - 4 T_1^3 T_2^3 g_{2,i,i} g_{3,j,i} + 2 T_1^2 g_{2,i,j} g_{3,j,i} + 8 T_1 T_2 g_{2,i,j} g_{3,j,i} - \\
& 24 T_1^2 T_2 g_{2,i,j} g_{3,j,i} - 2 T_1^3 T_2 g_{2,i,j} g_{3,j,i} - 8 T_1 T_2^2 g_{2,i,j} g_{3,j,i} + 6 T_1^2 T_2^2 g_{2,i,j} g_{3,j,i} + \\
& 42 T_1^3 T_2^2 g_{2,i,j} g_{3,j,i} + 16 T_1^2 T_2^3 g_{2,i,j} g_{3,j,i} - 32 T_1^3 T_2^3 g_{2,i,j} g_{3,j,i} - 18 T_1^4 T_2^3 g_{2,i,j} g_{3,j,i} - \\
& 8 T_1^3 T_2^4 g_{2,i,j} g_{3,j,i} + 18 T_1^4 T_2^4 g_{2,i,j} g_{3,j,i} + 2 T_1 g_{2,j,i} g_{3,j,i} - 2 T_1^2 g_{2,j,i} g_{3,j,i} - 12 T_1 T_2 g_{2,j,i} g_{3,j,i} + \\
& 8 T_1^2 T_2 g_{2,j,i} g_{3,j,i} + 2 T_1^3 T_2 g_{2,j,i} g_{3,j,i} + 6 T_1 T_2^2 g_{2,j,i} g_{3,j,i} + 44 T_1^2 T_2^2 g_{2,j,i} g_{3,j,i} - \\
& 30 T_1^3 T_2^2 g_{2,j,i} g_{3,j,i} + 20 T_1 T_2^3 g_{2,j,i} g_{3,j,i} - 82 T_1^2 T_2^3 g_{2,j,i} g_{3,j,i} - 34 T_1^3 T_2^3 g_{2,j,i} g_{3,j,i} + \\
& 38 T_1^4 T_2^3 g_{2,j,i} g_{3,j,i} - 16 T_1 T_2^4 g_{2,j,i} g_{3,j,i} + 142 T_1^3 T_2^4 g_{2,j,i} g_{3,j,i} - 34 T_1^4 T_2^4 g_{2,j,i} g_{3,j,i} - \\
& 18 T_1^5 T_2^4 g_{2,j,i} g_{3,j,i} + 32 T_1^2 T_2^5 g_{2,j,i} g_{3,j,i} - 64 T_1^3 T_2^5 g_{2,j,i} g_{3,j,i} - 48 T_1^4 T_2^5 g_{2,j,i} g_{3,j,i} + \\
& 36 T_1^5 T_2^5 g_{2,j,i} g_{3,j,i} - 16 T_1^3 T_2^6 g_{2,j,i} g_{3,j,i} + 44 T_1^4 T_2^6 g_{2,j,i} g_{3,j,i} - 18 T_1^5 T_2^6 g_{2,j,i} g_{3,j,i} - \\
& 2 T_1 g_{2,j,j} g_{3,j,i} - 6 T_1 T_2 g_{2,j,j} g_{3,j,i} + 26 T_1^2 T_2 g_{2,j,j} g_{3,j,i} - 2 T_1^3 T_2 g_{2,j,j} g_{3,j,i} + \\
& 12 T_1 T_2^2 g_{2,j,j} g_{3,j,i} - 16 T_1^2 T_2^2 g_{2,j,j} g_{3,j,i} - 38 T_1^3 T_2^2 g_{2,j,j} g_{3,j,i} + 2 T_1^4 T_2^2 g_{2,j,j} g_{3,j,i} - \\
& 20 T_1^2 T_2^3 g_{2,j,j} g_{3,j,i} + 40 T_1^3 T_2^3 g_{2,j,j} g_{3,j,i} + 14 T_1^4 T_2^3 g_{2,j,j} g_{3,j,i} + 8 T_1^3 T_2^4 g_{2,j,j} g_{3,j,i} - \\
& 18 T_1^4 T_2^4 g_{2,j,j} g_{3,j,i} - 4 T_1 g_{3,i,i} g_{3,j,i} + 4 T_1^2 g_{3,i,i} g_{3,j,i} + 12 T_1 T_2 g_{3,i,i} g_{3,j,i} - 8 T_1^2 T_2 g_{3,i,i} g_{3,j,i} - \\
& 4 T_1^3 T_2 g_{3,i,i} g_{3,j,i} - 8 T_1 T_2^2 g_{3,i,i} g_{3,j,i} - 4 T_1^2 T_2^2 g_{3,i,i} g_{3,j,i} + 12 T_1^3 T_2^2 g_{3,i,i} g_{3,j,i} + \\
& 8 T_1^2 T_2^3 g_{3,i,i} g_{3,j,i} - 8 T_1^3 T_2^3 g_{3,i,i} g_{3,j,i} - 6 T_1 g_{3,i,j} g_{3,j,i} + 4 T_1^2 g_{3,i,j} g_{3,j,i} + 2 T_1 T_2 g_{3,i,j} g_{3,j,i} + \\
& 38 T_1^2 T_2 g_{3,i,j} g_{3,j,i} - 22 T_1^3 T_2 g_{3,i,j} g_{3,j,i} + 20 T_1 T_2^2 g_{3,i,j} g_{3,j,i} - 82 T_1^2 T_2^2 g_{3,i,j} g_{3,j,i} + \\
& 4 T_1^3 T_2^2 g_{3,i,j} g_{3,j,i} + 18 T_1^4 T_2^2 g_{3,i,j} g_{3,j,i} - 16 T_1 T_2^3 g_{3,i,j} g_{3,j,i} + 24 T_1^2 T_2^3 g_{3,i,j} g_{3,j,i} + \\
& 62 T_1^3 T_2^3 g_{3,i,j} g_{3,j,i} - 36 T_1^4 T_2^3 g_{3,i,j} g_{3,j,i} + 16 T_1^2 T_2^4 g_{3,i,j} g_{3,j,i} - 44 T_1^3 T_2^4 g_{3,i,j} g_{3,j,i} + \\
& 18 T_1^4 T_2^4 g_{3,i,j} g_{3,j,i} + 4 T_1 g_{3,j,i}^2 - 4 T_1^2 g_{3,j,i}^2 - 12 T_1 T_2 g_{3,j,i}^2 + 10 T_1^2 T_2 g_{3,j,i}^2 + 4 T_1^3 T_2 g_{3,j,i}^2 + \\
& 8 T_1 T_2^2 g_{3,j,i}^2 + 14 T_1^2 T_2^2 g_{3,j,i}^2 - 64 T_1^3 T_2^2 g_{3,j,i}^2 + 22 T_1^4 T_2^2 g_{3,j,i}^2 - 36 T_1^2 T_2^3 g_{3,j,i}^2 + 88 T_1^3 T_2^3 g_{3,j,i}^2 + \\
& 46 T_1^4 T_2^3 g_{3,j,i}^2 - 40 T_1^5 T_2^3 g_{3,j,i}^2 + 16 T_1^2 T_2^4 g_{3,j,i}^2 + 4 T_1^3 T_2^4 g_{3,j,i}^2 - 152 T_1^4 T_2^4 g_{3,j,i}^2 + 40 T_1^5 T_2^4 g_{3,j,i}^2 + \\
& 18 T_1^6 T_2^4 g_{3,j,i}^2 - 32 T_1^3 T_2^5 g_{3,j,i}^2 + 68 T_1^4 T_2^5 g_{3,j,i}^2 + 44 T_1^5 T_2^5 g_{3,j,i}^2 - 36 T_1^6 T_2^5 g_{3,j,i}^2 + 16 T_1^4 T_2^6 g_{3,j,i}^2 - \\
& 44 T_1^5 T_2^6 g_{3,j,i}^2 + 18 T_1^6 T_2^6 g_{3,j,i}^2 - 8 g_{3,j,j} + 26 T_1 g_{3,j,j} - 18 T_1^2 g_{3,j,j} + 24 T_2 g_{3,j,j} - 70 T_1 T_2 g_{3,j,j} + \\
& 28 T_1^2 T_2 g_{3,j,j} + 18 T_1^3 T_2 g_{3,j,j} - 16 T_2^2 g_{3,j,j} + 28 T_1 T_2^2 g_{3,j,j} + 42 T_1^2 T_2^2 g_{3,j,j} - 54 T_1^3 T_2^2 g_{3,j,j} + \\
& 16 T_1 T_2^3 g_{3,j,j} - 52 T_1^2 T_2^3 g_{3,j,j} + 36 T_1^3 T_2^3 g_{3,j,j} - 8 T_1 g_{1,i,i} g_{3,j,j} + 6 T_1^2 g_{1,i,i} g_{3,j,j} - \\
& 2 T_1^3 g_{1,i,i} g_{3,j,j} + 32 T_1 T_2 g_{1,i,i} g_{3,j,j} - 40 T_1^2 T_2 g_{1,i,i} g_{3,j,j} + 26 T_1^3 T_2 g_{1,i,i} g_{3,j,j} - \\
& 24 T_1 T_2^2 g_{1,i,i} g_{3,j,j} + 26 T_1^2 T_2^2 g_{1,i,i} g_{3,j,j} - 20 T_1^3 T_2^2 g_{1,i,i} g_{3,j,j} - 18 T_1^4 T_2^2 g_{1,i,i} g_{3,j,j} + \\
& 8 T_1^2 T_2^3 g_{1,i,i} g_{3,j,j} - 12 T_1^3 T_2^3 g_{1,i,i} g_{3,j,j} + 36 T_1^4 T_2^3 g_{1,i,i} g_{3,j,j} + 8 T_1^3 T_2^4 g_{1,i,i} g_{3,j,j} - \\
& 18 T_1^4 T_2^4 g_{1,i,i} g_{3,j,j} + 4 T_1 g_{1,j,i} g_{3,j,j} - 12 T_1^2 g_{1,j,i} g_{3,j,j} + 10 T_1^3 g_{1,j,i} g_{3,j,j} - 2 T_1^4 g_{1,j,i} g_{3,j,j} - \\
& 12 T_1 T_2 g_{1,j,i} g_{3,j,j} + 36 T_1^2 T_2 g_{1,j,i} g_{3,j,j} - 30 T_1^3 T_2 g_{1,j,i} g_{3,j,j} + 6 T_1^4 T_2 g_{1,j,i} g_{3,j,j} + \\
& 8 T_1 T_2^2 g_{1,j,i} g_{3,j,j} - 24 T_1^2 T_2^2 g_{1,j,i} g_{3,j,j} + 20 T_1^3 T_2^2 g_{1,j,i} g_{3,j,j} - 4 T_1^4 T_2^2 g_{1,j,i} g_{3,j,j} - \\
& 2 T_1 g_{2,i,i} g_{3,j,j} + 2 T_1^2 g_{2,i,i} g_{3,j,j} + 2 T_1 T_2 g_{2,i,i} g_{3,j,j} - 2 T_1^3 T_2 g_{2,i,i} g_{3,j,j} + 4 T_1 T_2^2 g_{2,i,i} g_{3,j,j} - \\
& 8 T_1^2 T_2^2 g_{2,i,i} g_{3,j,j} + 4 T_1^3 T_2^2 g_{2,i,i} g_{3,j,j} + 2 T_1 g_{2,j,i} g_{3,j,j} - 2 T_1^2 g_{2,j,i} g_{3,j,j} - 8 T_1 T_2 g_{2,j,i} g_{3,j,j} +
\end{aligned}$$

$$\begin{aligned}
 & 4 T_1^2 T_2 g_{2,j,i} g_{3,j,j} + 2 T_1^3 T_2 g_{2,j,i} g_{3,j,j} - 6 T_1 T_2^2 g_{2,j,i} g_{3,j,j} + 50 T_1^2 T_2^2 g_{2,j,i} g_{3,j,j} - \\
 & 26 T_1^3 T_2^2 g_{2,j,i} g_{3,j,j} + 28 T_1 T_2^3 g_{2,j,i} g_{3,j,j} - 88 T_1^2 T_2^3 g_{2,j,i} g_{3,j,j} + 2 T_1^3 T_2^3 g_{2,j,i} g_{3,j,j} + \\
 & 18 T_1^4 T_2^3 g_{2,j,i} g_{3,j,j} - 16 T_1 T_2^4 g_{2,j,i} g_{3,j,j} + 20 T_1^2 T_2^4 g_{2,j,i} g_{3,j,j} + 66 T_1^3 T_2^4 g_{2,j,i} g_{3,j,j} - \\
 & 36 T_1^4 T_2^4 g_{2,j,i} g_{3,j,j} + 16 T_1^2 T_2^5 g_{2,j,i} g_{3,j,j} - 44 T_1^3 T_2^5 g_{2,j,i} g_{3,j,j} + 18 T_1^4 T_2^5 g_{2,j,i} g_{3,j,j} - \\
 & 6 T_1 g_{3,i,i} g_{3,j,j} + 4 T_1^2 g_{3,i,i} g_{3,j,j} + 2 T_1 T_2 g_{3,i,i} g_{3,j,j} + 38 T_1^2 T_2 g_{3,i,i} g_{3,j,j} - \\
 & 22 T_1^3 T_2 g_{3,i,i} g_{3,j,j} + 20 T_1 T_2^2 g_{3,i,i} g_{3,j,j} - 82 T_1^2 T_2^2 g_{3,i,i} g_{3,j,j} + 4 T_1^3 T_2^2 g_{3,i,i} g_{3,j,j} + \\
 & 18 T_1^4 T_2^2 g_{3,i,i} g_{3,j,j} - 16 T_1 T_2^3 g_{3,i,i} g_{3,j,j} + 24 T_1^2 T_2^3 g_{3,i,i} g_{3,j,j} + 62 T_1^3 T_2^3 g_{3,i,i} g_{3,j,j} - \\
 & 36 T_1^4 T_2^3 g_{3,i,i} g_{3,j,j} + 16 T_1^2 T_2^4 g_{3,i,i} g_{3,j,j} - 44 T_1^3 T_2^4 g_{3,i,i} g_{3,j,j} + 18 T_1^4 T_2^4 g_{3,i,i} g_{3,j,j} + \\
 & 10 T_1 g_{3,j,i} g_{3,j,j} - 8 T_1^2 g_{3,j,i} g_{3,j,j} - 14 T_1 T_2 g_{3,j,i} g_{3,j,j} - 24 T_1^2 T_2 g_{3,j,i} g_{3,j,j} + \\
 & 22 T_1^3 T_2 g_{3,j,i} g_{3,j,j} - 12 T_1 T_2^2 g_{3,j,i} g_{3,j,j} + 84 T_1^2 T_2^2 g_{3,j,i} g_{3,j,j} - 54 T_1^3 T_2^2 g_{3,j,i} g_{3,j,j} + \\
 & 4 T_1^4 T_2^2 g_{3,j,i} g_{3,j,j} + 16 T_1 T_2^3 g_{3,j,i} g_{3,j,j} - 52 T_1^2 T_2^3 g_{3,j,i} g_{3,j,j} + 28 T_1^3 T_2^3 g_{3,j,i} g_{3,j,j} + \\
 & 32 T_1^4 T_2^3 g_{3,j,i} g_{3,j,j} - 18 T_1^5 T_2^3 g_{3,j,i} g_{3,j,j} + 20 T_1^3 T_2^4 g_{3,j,i} g_{3,j,j} - 80 T_1^4 T_2^4 g_{3,j,i} g_{3,j,j} + \\
 & 36 T_1^5 T_2^4 g_{3,j,i} g_{3,j,j} - 16 T_1^3 T_2^5 g_{3,j,i} g_{3,j,j} + 44 T_1^4 T_2^5 g_{3,j,i} g_{3,j,j} - 18 T_1^5 T_2^5 g_{3,j,i} g_{3,j,j} + \\
 & T_1 y_{i,i,j} - T_1^2 y_{i,i,j} - 3 T_1 T_2 y_{i,i,j} + 2 T_1^2 T_2 y_{i,i,j} + T_1^3 T_2 y_{i,i,j} + 2 T_1 T_2^2 y_{i,i,j} + T_1^2 T_2^2 y_{i,i,j} - \\
 & 3 T_1^3 T_2^2 y_{i,i,j} - 2 T_1^2 T_2^3 y_{i,i,j} + 2 T_1^3 T_2^3 y_{i,i,j} - T_1^2 y_{i,j,i} + T_1^3 y_{i,j,i} - 4 T_1 T_2 y_{i,j,i} + 16 T_1^2 T_2 y_{i,j,i} - \\
 & 11 T_1^3 T_2 y_{i,j,i} - T_1^4 T_2 y_{i,j,i} + 4 T_1 T_2^2 y_{i,j,i} - 7 T_1^2 T_2^2 y_{i,j,i} - 18 T_1^3 T_2^2 y_{i,j,i} + 21 T_1^4 T_2^2 y_{i,j,i} - \\
 & 8 T_1^2 T_2^3 y_{i,j,i} + 24 T_1^3 T_2^3 y_{i,j,i} - 7 T_1^4 T_2^3 y_{i,j,i} - 9 T_1^5 T_2^3 y_{i,j,i} + 4 T_1^3 T_2^4 y_{i,j,i} - 13 T_1^4 T_2^4 y_{i,j,i} + \\
 & 9 T_1^5 T_2^4 y_{i,j,i} - T_1 y_{i,j,j} + 2 T_1^2 y_{i,j,j} - T_1^3 y_{i,j,j} + 7 T_1 T_2 y_{i,j,j} - 18 T_1^2 T_2 y_{i,j,j} + 10 T_1^3 T_2 y_{i,j,j} + \\
 & T_1^4 T_2 y_{i,j,j} - 6 T_1 T_2^2 y_{i,j,j} + 6 T_1^2 T_2^2 y_{i,j,j} + 21 T_1^3 T_2^2 y_{i,j,j} - 21 T_1^4 T_2^2 y_{i,j,j} + 10 T_1^5 T_2^2 y_{i,j,j} - \\
 & 26 T_1^3 T_2^3 y_{i,j,j} + 7 T_1^4 T_2^3 y_{i,j,j} + 9 T_1^5 T_2^3 y_{i,j,j} - 4 T_1^3 T_2^4 y_{i,j,j} + 13 T_1^4 T_2^4 y_{i,j,j} - 9 T_1^5 T_2^4 y_{i,j,j} \Big/ \\
 & (2 (-1 + T_1) T_1 (-1 + T_2) (-1 + 2 T_2) (-1 + T_1 T_2))
 \end{aligned}$$

(Alt) In[ ]:=

```

 $\theta[1, i, j, \alpha, \beta, \gamma] :=$ 
  Evaluate[r $\theta[1, i, j]$  /. {p $_{3,j} \to g_{3,j,\alpha}$ , x $_{1,i} \to g_{1,\beta,i}$ , x $_{2,i} \to g_{2,\gamma,i}$ }];
  (* The  $\theta$  graph with light (pxx) vertex at (1,i,j) and
  unspecified heavy (xpp) vertex *)
 $\theta[-1, i, j, \alpha, \beta, \gamma] :=$ 
  Evaluate[r $\theta[-1, i, j]$  /. {p $_{3,j} \to g_{3,j,\alpha}$ , x $_{1,i} \to g_{1,\beta,i}$ , x $_{2,i} \to g_{2,\gamma,i}$ }];
  (* The  $\theta$  graph with light (pxx) vertex at (-1,i,j)
  and unspecified heavy (xpp) vertex *)
 $\theta[1, 5, 8, 21, 22, 23]$ 

```

(Alt) Out[ ]:=

$$2 (-T_1 + T_2 + T_1 T_2) g_{1,22,5} g_{2,23,5} g_{3,8,21} - 2 (-1 + T_2) g_{1,22,8} g_{2,23,5} g_{3,8,21} - 2 g_{1,22,5} g_{2,23,8} g_{3,8,21}$$



(Alt) In[ ]:=

```

T3 = T1 T2;
CF[ε_] := Factor@Together[ε];
λ[K_] := λ[K] = Module[{Cs, φ, n, A, s, i, j, k, Δ, G, gEval, Y, yEval, c, λ1},
  {Cs, φ} = Rot[K]; n = Length[Cs];
  A = IdentityMatrix[2 n + 1];
  Cases[Cs, {s_, i_, j_} => (A[[{i, j}, {i + 1, j + 1}]] += (
    -T^s T^s - 1
  ))];
  Δ = T^(-Total[φ] - Total[Cs][[All, 1]])/2 Det[A];
  G = Inverse[A];
  gEval[ε_] := CF[ε /. g_{v_, α_, β_} => (G[[α, β]] /. T -> T_v)];
  Y[α_, β_, γ_] :=
  Y[α, β, γ] = Sum[{s, i, j} = c; (* The expectation value of x_{3,α} p_{1,β} p_{2,γ} *)
    θ[s, i, j, α, β, γ],
    {c, Cs}];
  yEval[ε_] := ε /. y_{α_, β_, γ_} => Y[α, β, γ];
  λ1 = Sum_{k=1}^n R_1 @ Cs[[k]] - Sum_{k=1}^{2n} φ[[k]] (g_{1,k,k} + g_{2,k,k} + g_{3,k,k} - 3 / 2);
  {Δ, (Δ^2 /. T -> T1) (Δ^2 /. T -> T2) (Δ^2 /. T -> T3) λ1} // yEval // gEval
];

```

(Alt) In[ ]:=

Timing[λ[Knot[3, 1]]]

(Alt) Out[ ]:=

```

{0.046875,
 {
  1 - T + T^2,
  1
  T1^4 T2^4 (-1 + 2 T2)
  (-7 + 21 T1 - 29 T1^2 + 23 T1^3 - 9 T1^4 + 35 T2 - 90 T1 T2 + 107 T1^2 T2 - 66 T1^3 T2 +
  9 T1^4 T2 + 12 T1^5 T2 - 79 T2^2 + 157 T1 T2^2 - 139 T1^2 T2^2 + 30 T1^3 T2^2 + 52 T1^4 T2^2 - 38 T1^5 T2^2 - 7 T1^6 T2^2 + 109 T2^3 -
  142 T1 T2^3 + 56 T1^2 T2^3 + 75 T1^3 T2^3 - 73 T1^4 T2^3 - 28 T1^5 T2^3 + 70 T1^6 T2^3 - 9 T1^7 T2^3 - 91 T1^4 T2^4 + 91 T1^5 T2^4 -
  108 T1^3 T2^4 - 83 T1^4 T2^4 + 232 T1^5 T2^4 - 167 T1^6 T2^4 + 12 T1^7 T2^4 + 3 T1^8 T2^4 + 46 T2^5 + 78 T1 T2^5 - 97 T1^2 T2^5 -
  58 T1^3 T2^5 + 334 T1^4 T2^5 - 376 T1^5 T2^5 + 160 T1^6 T2^5 + 22 T1^7 T2^5 - 9 T1^8 T2^5 - 8 T2^6 - 84 T1 T2^6 + 4 T1^2 T2^6 +
  196 T1^3 T2^6 - 370 T1^4 T2^6 + 270 T1^5 T2^6 - 36 T1^6 T2^6 - 58 T1^7 T2^6 + 7 T1^8 T2^6 + 24 T1 T2^7 + 72 T1^2 T2^7 - 170 T1^3 T2^7 +
  172 T1^4 T2^7 - 30 T1^5 T2^7 - 85 T1^6 T2^7 + 61 T1^7 T2^7 + T1^8 T2^7 - 32 T1^2 T2^8 + 22 T1^3 T2^8 + 30 T1^4 T2^8 - 88 T1^5 T2^8 +
  78 T1^6 T2^8 - 21 T1^7 T2^8 - 9 T1^8 T2^8 + 16 T1^3 T2^9 - 30 T1^4 T2^9 + 30 T1^5 T2^9 - 10 T1^6 T2^9 - 6 T1^7 T2^9 + 6 T1^8 T2^9) } }

```

(Alt) In[ ]:=

Timing[λ[Knot[4, 1]]]

(Alt) Out[ ]:=

```

{0., {
  1 - 3 T + T^2,
  1
  T1^4 T2^4
  (1 - 3 T1 + T1^2) (1 - 3 T2 + T2^2) (1 - 3 T1 T2 + T1^2 T2^2)
  (12 - 17 T1 + 6 T1^2 - 57 T2 + 96 T1 T2 - 42 T1^2 T2 + 54 T2^2 - 54 T1 T2^2 - 48 T1^2 T2^2 + 54 T1^3 T2^2 -
  6 T1^4 T2^2 - 12 T2^3 - 24 T1 T2^3 + 102 T1^2 T2^3 - 72 T1^3 T2^3 + 9 T1^4 T2^3 + 8 T1 T2^4 - 18 T1^2 T2^4 + 9 T1^3 T2^4) } }

```

# Invariance Proof

(Alt) In[ ]:=

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

(Alt) In[ ]:=

```
gRuless,i,j := {
   $g_{v,i,\beta} \Rightarrow \delta_{i,\beta} + T_v^S g_{v,i^+,\beta} + (1 - T_v^S) g_{v,j^+,\beta}, g_{v,j,\beta} \Rightarrow \delta_{j,\beta} + g_{v,j^+,\beta},$ 
   $g_{v,\alpha,i} \Rightarrow T_v^{-S} (g_{v,\alpha,i^+} - \delta_{\alpha,i^+}), g_{v,\alpha,j} \Rightarrow g_{v,\alpha,j^+} - (1 - T_v^S) g_{v,\alpha,i} - \delta_{\alpha,j^+}$ 
};
gRules[Cs_List] := Union@@((gRulesSequence@@#) & /@ Cs)
```

## Invariance of $y_{\alpha\beta\gamma}$ under remote R2s

(Alt) In[ ]:=

```
Clear[i, j];
Cs = {{1, i, j}, {-1, i+, j+}}
Z = Module[{s, i, j}, Sum[{s, i, j} = c;
   $\theta[s, i, j, \alpha, \beta, \gamma], \{c, Cs\}]]$ 
```

(Alt) Out[ ]:=

```
{1, i, j}, {-1, i+, j+}
```

(Alt) Out[ ]:=

$$\frac{2(-T_1 + T_2 + T_1 T_2) g_{1,\beta,i} g_{2,\gamma,i} g_{3,j,\alpha} - 2(-1 + T_2) g_{1,\beta,j} g_{2,\gamma,i} g_{3,j,\alpha} - 2 g_{1,\beta,i} g_{2,\gamma,j} g_{3,j,\alpha} - 2 g_{1,\beta,i^+} g_{2,\gamma,i^+} g_{3,j^+,\alpha}}{T_1} + \frac{2(-1 + T_2) g_{1,\beta,j^+} g_{2,\gamma,i^+} g_{3,j^+,\alpha}}{T_2} + \frac{2 g_{1,\beta,i^+} g_{2,\gamma,j^+} g_{3,j^+,\alpha}}{T_1}$$

(Alt) In[ ]:=

```
Expand[Z //. gRules1,i,j U gRules-1,i+,j+ /. _If → 0]
```

(Alt) Out[ ]:=

```
0
```

## Invariance of $y_{\alpha\beta\gamma}$ under remote R3s

(Alt) In[ ]:=

```
Clear[i, j, k];
Cs = {{1, i, j}, {1, i+, k}, {1, j+, k+}}
Z = Module[{s, i, j}, Sum[{s, i, j} = c;
  {s, i, j} = c;  $\theta$ [s, i, j,  $\alpha$ ,  $\beta$ ,  $\gamma$ ],
  {c, Cs}]]
lhs = Simplify[Z //. gRules[Cs] /. _If  $\rightarrow$  0]
```

(Alt) Out[ ]:=

```
{1, i, j}, {1, i+, k}, {1, j+, k+}}
```

(Alt) Out[ ]:=

$$2(-T_1 + T_2 + T_1 T_2) g_{1,\beta,i} g_{2,\gamma,i} g_{3,j,\alpha} - 2(-1 + T_2) g_{1,\beta,j} g_{2,\gamma,i} g_{3,j,\alpha} - 2 g_{1,\beta,i} g_{2,\gamma,j} g_{3,j,\alpha} -$$

$$2 g_{1,\beta,i+} g_{2,\gamma,k} g_{3,k,\alpha} - 2(-1 + T_2) g_{1,\beta,k} g_{2,\gamma,i+} g_{3,k,\alpha} + 2(-T_1 + T_2 + T_1 T_2) g_{1,\beta,i+} g_{2,\gamma,i+} g_{3,k,\alpha} +$$

$$2(-T_1 + T_2 + T_1 T_2) g_{1,\beta,j+} g_{2,\gamma,j+} g_{3,k+,\alpha} - 2(-1 + T_2) g_{1,\beta,k+} g_{2,\gamma,j+} g_{3,k+,\alpha} - 2 g_{1,\beta,j+} g_{2,\gamma,k+} g_{3,k+,\alpha}$$

(Alt) Out[ ]:=

$$-\frac{1}{T_1^2 T_2^2} 2 \left( T_2 g_{1,\beta,i^{++}} (-g_{2,\gamma,i^{++}} + g_{2,\gamma,j^{++}}) g_{3,k^{++},\alpha} + \right.$$

$$T_1^2 (-1 + T_2) T_2 (g_{1,\beta,j^{++}} g_{2,\gamma,i^{++}} g_{3,j^{++},\alpha} + g_{1,\beta,k^{++}} (g_{2,\gamma,i^{++}} + g_{2,\gamma,j^{++}}) g_{3,k^{++},\alpha}) -$$

$$T_1 (g_{1,\beta,j^{++}} g_{2,\gamma,i^{++}} g_{3,k^{++},\alpha} + T_2 (-2 g_{1,\beta,j^{++}} g_{2,\gamma,i^{++}} + g_{1,\beta,i^{++}} g_{2,\gamma,j^{++}}) g_{3,k^{++},\alpha} +$$

$$T_2^2 (g_{1,\beta,j^{++}} (g_{2,\gamma,i^{++}} + g_{2,\gamma,j^{++}} - g_{2,\gamma,k^{++}}) g_{3,k^{++},\alpha} +$$

$$g_{1,\beta,i^{++}} (g_{2,\gamma,i^{++}} g_{3,j^{++},\alpha} - g_{2,\gamma,j^{++}} g_{3,j^{++},\alpha} - g_{2,\gamma,k^{++}} g_{3,k^{++},\alpha})) \left. \right)$$

(Alt) In[ ]:=

```
Clear[i, j, k];
Cs = {{1, j, k}, {1, i, k+}, {1, i+, j+}}
Z = Module[{s, i, j}, Sum[{s, i, j} = c;
  {s, i, j} = c;  $\theta$ [s, i, j,  $\alpha$ ,  $\beta$ ,  $\gamma$ ],
  {c, Cs}]]
rhs = Simplify[Z //. gRules[Cs] /. _If  $\rightarrow$  0]
```

(Alt) Out[ ]:=

```
{1, j, k}, {1, i, k+}, {1, i+, j+}}
```

(Alt) Out[ ]:=

$$2(-T_1 + T_2 + T_1 T_2) g_{1,\beta,j} g_{2,\gamma,j} g_{3,k,\alpha} - 2(-1 + T_2) g_{1,\beta,k} g_{2,\gamma,j} g_{3,k,\alpha} - 2 g_{1,\beta,j} g_{2,\gamma,k} g_{3,k,\alpha} +$$

$$2(-T_1 + T_2 + T_1 T_2) g_{1,\beta,i+} g_{2,\gamma,i+} g_{3,j+,\alpha} - 2(-1 + T_2) g_{1,\beta,j+} g_{2,\gamma,i+} g_{3,j+,\alpha} - 2 g_{1,\beta,i+} g_{2,\gamma,j+} g_{3,j+,\alpha} +$$

$$2(-T_1 + T_2 + T_1 T_2) g_{1,\beta,i} g_{2,\gamma,i} g_{3,k+,\alpha} - 2(-1 + T_2) g_{1,\beta,k+} g_{2,\gamma,i} g_{3,k+,\alpha} - 2 g_{1,\beta,i} g_{2,\gamma,k+} g_{3,k+,\alpha}$$

(Alt) Out[ ]:=

$$-\frac{1}{T_1^2 T_2^2} 2 \left( T_2 g_{1,\beta,i^{++}} (-g_{2,\gamma,i^{++}} + g_{2,\gamma,j^{++}}) g_{3,k^{++},\alpha} + \right.$$

$$T_1^2 (-1 + T_2) T_2 (g_{1,\beta,j^{++}} g_{2,\gamma,i^{++}} g_{3,j^{++},\alpha} + g_{1,\beta,k^{++}} (g_{2,\gamma,i^{++}} + g_{2,\gamma,j^{++}}) g_{3,k^{++},\alpha}) -$$

$$T_1 (g_{1,\beta,j^{++}} g_{2,\gamma,i^{++}} g_{3,k^{++},\alpha} + T_2 (-2 g_{1,\beta,j^{++}} g_{2,\gamma,i^{++}} + g_{1,\beta,i^{++}} g_{2,\gamma,j^{++}}) g_{3,k^{++},\alpha} +$$

$$T_2^2 (g_{1,\beta,j^{++}} (g_{2,\gamma,i^{++}} + g_{2,\gamma,j^{++}} - g_{2,\gamma,k^{++}}) g_{3,k^{++},\alpha} +$$

$$g_{1,\beta,i^{++}} (g_{2,\gamma,i^{++}} g_{3,j^{++},\alpha} - g_{2,\gamma,j^{++}} g_{3,j^{++},\alpha} - g_{2,\gamma,k^{++}} g_{3,k^{++},\alpha})) \left. \right)$$

```
(Alt) In[ ]:=  
  lhs == rhs
```

```
(Alt) Out[ ]=  
  True
```

## Invariance under R2b

```
(Alt) In[ ]:=  
  Y[ $\alpha$ _,  $\beta$ _,  $\gamma$ _] := Module[{s, i, j}, Sum[{s, i, j} = c;  
     $\Theta$ [s, i, j,  $\alpha$ ,  $\beta$ ,  $\gamma$ ], {c, Cs}]];  
  yEval[ $\mathcal{E}$ _] := ( $\mathcal{E}$  /. y $_{\alpha, \beta, \gamma}$   $\Rightarrow$  Y[ $\alpha$ ,  $\beta$ ,  $\gamma$ ]);
```

```
(Alt) In[ ]:=  
  Clear[i, j];  
  Cs = {{1, i, j}, {-1, i+, j+}}  
  Expand@Together[(Total[R1@@@Cs] // yEval) //. gRules[Cs]]
```

```
(Alt) Out[ ]=  
  {{1, i, j}, {-1, i+, j+}}
```

```
(Alt) Out[ ]=  
  0
```

## Invariance under R3b

```
(Alt) In[ ]:=  
  Clear[i, j, k];  
  Cs = {{1, i, j}, {1, i+, k}, {1, j+, k+}}  
  lhs = Expand@Together[(Total[R1@@@Cs] // yEval) //. gRules[Cs]]
```

```
(Alt) Out[ ]=  
  {{1, i, j}, {1, i+, k}, {1, j+, k+}}
```

```
(Alt) Out[ ]=  
  
```

```
(Alt) In[ ]:=  
  Clear[i, j, k];  
  Cs = {{1, j, k}, {1, i, k+}, {1, i+, j+}}  
  rhs = Expand@Together[(Total[R1@@@Cs] // yEval) //. gRules[Cs]]
```

```
(Alt) Out[ ]=  
  {{1, j, k}, {1, i, k+}, {1, i+, j+}}
```

```
(Alt) Out[ ]=  
  
```

```
(Alt) In[ ]:=  
  lhs == rhs
```

```
(Alt) Out[ ]=  
  True
```

## T<sub>4,5</sub> and T<sub>5,4</sub>

(Alt) In[ ]:=  
**Timing**[lhs = λ[TorusKnot [4, 5]]]

(Alt) Out[ ]:=

(Alt) In[ ]:=  
**Timing**[rhs = λ[TorusKnot [5, 4]]]

(Alt) Out[ ]:=

(Alt) In[ ]:=  
**lhs == rhs**

(Alt) Out[ ]:=  
**True**

## Conway and Kinoshita-Terasaka

(Alt) In[ ]:=  
**AbsoluteTiming**[lhs = λ[Knot ["K11n34"]]]

(Alt) Out[ ]:=  
 {1.09948,  
 {1,  $\frac{1}{T_1^6 T_2^6 (-1 + 2 T_2)}$  (2 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>3</sup> - 3 T<sub>1</sub><sup>3</sup> + T<sub>1</sub><sup>4</sup> - 4 T<sub>1</sub> T<sub>2</sub> + 6 T<sub>1</sub><sup>2</sup> T<sub>2</sub> - 24 T<sub>1</sub><sup>3</sup> T<sub>2</sub> + 29 T<sub>1</sub><sup>4</sup> T<sub>2</sub> - 5 T<sub>1</sub><sup>5</sup> T<sub>2</sub> - 2 T<sub>1</sub><sup>6</sup> T<sub>2</sub> + 2 T<sub>2</sub><sup>2</sup> - 3 T<sub>1</sub> T<sub>2</sub><sup>2</sup> + 31 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>2</sup> + 13 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>2</sup> - 34 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>2</sup> + 16 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>2</sup> - 45 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>2</sup> + 19 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>2</sup> + T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>2</sup> + 6 T<sub>1</sub> T<sub>2</sub><sup>3</sup> - 93 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>3</sup> + 33 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>3</sup> - 13 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>3</sup> + 12 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>3</sup> + 47 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>3</sup> + 31 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>3</sup> - 5 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>3</sup> - 11 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>3</sup> - 14 T<sub>1</sub><sup>4</sup> + 31 T<sub>1</sub> T<sub>2</sub><sup>4</sup> + 60 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>4</sup> + 6 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>4</sup> - T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>4</sup> - 37 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>4</sup> - 18 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>4</sup> - 61 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>4</sup> - 12 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>4</sup> - 14 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>4</sup> + 19 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>4</sup> + 20 T<sub>2</sub><sup>5</sup> - 40 T<sub>1</sub> T<sub>2</sub><sup>5</sup> - 23 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>5</sup> + 7 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>5</sup> + 4 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>5</sup> + 39 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>5</sup> + 44 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>5</sup> - 7 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>5</sup> - 15 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>5</sup> + 49 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>5</sup> - 5 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>5</sup> - 9 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>5</sup> - 8 T<sub>2</sub><sup>6</sup> + 18 T<sub>1</sub> T<sub>2</sub><sup>6</sup> - 17 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>6</sup> - 43 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>6</sup> - 9 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>6</sup> - 69 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>6</sup> - 17 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>6</sup> + 67 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>6</sup> + 57 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>6</sup> - 12 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>6</sup> + 9 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>6</sup> - 11 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>6</sup> - 24 T<sub>1</sub> T<sub>2</sub><sup>7</sup> + 56 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>7</sup> + 46 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>7</sup> + 72 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>7</sup> + 10 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>7</sup> + 142 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>7</sup> - 224 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>7</sup> + 12 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>7</sup> - 52 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>7</sup> - 64 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>7</sup> + 16 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>7</sup> + 18 T<sub>1</sub><sup>12</sup> T<sub>2</sub><sup>7</sup> + 16 T<sub>1</sub> T<sub>2</sub><sup>8</sup> - 2 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>8</sup> - 69 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>8</sup> - 49 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>8</sup> + 11 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>8</sup> - 203 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>8</sup> + 203 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>8</sup> - 9 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>8</sup> + 65 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>8</sup> + 38 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>8</sup> + 29 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>8</sup> - 35 T<sub>1</sub><sup>12</sup> T<sub>2</sub><sup>8</sup> - 12 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>9</sup> + 8 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>9</sup> - 15 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>9</sup> + 51 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>9</sup> + 54 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>9</sup> - 57 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>9</sup> - 46 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>9</sup> + 5 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>9</sup> - 23 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>9</sup> + T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>9</sup> + 27 T<sub>1</sub><sup>12</sup> T<sub>2</sub><sup>9</sup> - 9 T<sub>1</sub><sup>13</sup> T<sub>2</sub><sup>9</sup> - 8 T<sub>1</sub><sup>2</sup> T<sub>2</sub><sup>10</sup> + 6 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>10</sup> + 55 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>10</sup> - 12 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>10</sup> + 2 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>10</sup> + 47 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>10</sup> + 25 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>10</sup> - 32 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>10</sup> - 7 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>10</sup> - 36 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>10</sup> - 34 T<sub>1</sub><sup>12</sup> T<sub>2</sub><sup>10</sup> + 27 T<sub>1</sub><sup>13</sup> T<sub>2</sub><sup>10</sup> + 16 T<sub>1</sub><sup>3</sup> T<sub>2</sub><sup>11</sup> - 24 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>11</sup> - 18 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>11</sup> - 61 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>11</sup> - 5 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>11</sup> - 19 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>11</sup> + 18 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>11</sup> + 31 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>11</sup> + 55 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>11</sup> + 19 T<sub>1</sub><sup>12</sup> T<sub>2</sub><sup>11</sup> - 27 T<sub>1</sub><sup>13</sup> T<sub>2</sub><sup>11</sup> - 8 T<sub>1</sub><sup>4</sup> T<sub>2</sub><sup>12</sup> - 2 T<sub>1</sub><sup>5</sup> T<sub>2</sub><sup>12</sup> + 41 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>12</sup> + 27 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>12</sup> + 5 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>12</sup> - 26 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>12</sup> + 20 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>12</sup> - 89 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>12</sup> + 23 T<sub>1</sub><sup>12</sup> T<sub>2</sub><sup>12</sup> + 9 T<sub>1</sub><sup>13</sup> T<sub>2</sub><sup>12</sup> + 16 T<sub>1</sub><sup>6</sup> T<sub>2</sub><sup>13</sup> - 44 T<sub>1</sub><sup>7</sup> T<sub>2</sub><sup>13</sup> + 22 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>13</sup> - 24 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>13</sup> + 13 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>13</sup> + 35 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>13</sup> - 18 T<sub>1</sub><sup>12</sup> T<sub>2</sub><sup>13</sup> - 8 T<sub>1</sub><sup>8</sup> T<sub>2</sub><sup>14</sup> + 30 T<sub>1</sub><sup>9</sup> T<sub>2</sub><sup>14</sup> - 31 T<sub>1</sub><sup>10</sup> T<sub>2</sub><sup>14</sup> + 9 T<sub>1</sub><sup>11</sup> T<sub>2</sub><sup>14</sup>) } }

(Alt) In[ ]:=

**AbsoluteTiming[rhs = λ[Knot["K11n42"]]]**

(Alt) Out[ ]=

$$\left\{ 1.02665, \frac{1}{T_1^3 T_2^3 (-1 + 2 T_2)} \left( 6 - T_1^2 + 2 T_1^3 + 2 T_2 - 45 T_1 T_2 - T_1^2 T_2 + 4 T_1^3 T_2 - T_1^4 T_2 - 22 T_2^2 + 55 T_1 T_2^2 + 54 T_1^2 T_2^2 - 5 T_1^3 T_2^2 - 26 T_1^4 T_2^2 + 8 T_1^5 T_2^2 + 6 T_2^3 + 26 T_1 T_2^3 - 78 T_1^2 T_2^3 - 22 T_1^3 T_2^3 + 62 T_1^4 T_2^3 - 40 T_1^5 T_2^3 + 11 T_1^6 T_2^3 + 4 T_2^4 - 16 T_1 T_2^4 - 18 T_1^2 T_2^4 + 38 T_1^3 T_2^4 - 50 T_1^4 T_2^4 + 82 T_1^5 T_2^4 - 32 T_1^6 T_2^4 - 20 T_1 T_2^5 + 66 T_1^2 T_2^5 - 56 T_1^3 T_2^5 + 42 T_1^4 T_2^5 - 34 T_1^5 T_2^5 - 12 T_1^6 T_2^5 + 9 T_1^7 T_2^5 + 8 T_1 T_2^6 - 34 T_1^2 T_2^6 + 73 T_1^3 T_2^6 - 42 T_1^4 T_2^6 - 63 T_1^5 T_2^6 + 42 T_1^6 T_2^6 + 8 T_1^7 T_2^6 - 34 T_1^8 T_2^6 + 3 T_1^4 T_2^7 + 61 T_1^5 T_2^7 + 22 T_1^6 T_2^7 - 27 T_1^7 T_2^7 + 8 T_1^4 T_2^8 - 6 T_1^5 T_2^8 - 35 T_1^6 T_2^8 + 18 T_1^7 T_2^8 \right) \right\}$$

(Alt) In[ ]:=

**Simplify[lhs == rhs]**

(Alt) Out[ ]=

$$\left\{ 0, \frac{1}{T_1^6 T_2^6 (-1 + 2 T_2)} (2 - 3 T_1 + T_1^2) (-1 + T_2)^2 (1 + (2 - 9 T_1) T_2 + (-4 + 9 T_1) T_2^2) (T_2 + T_1^5 T_2^4 - T_1^4 T_2^2 (1 + T_2 + T_2^3) - T_1 (1 + T_2^2 + T_2^3) + T_1^2 (T_2 + T_2^4) + T_1^3 (T_2 + T_2^4))^2 \right\} == \{0, 0\}$$

## 12<sub>n210</sub> and 12<sub>n214</sub>

(Alt) In[ ]:=

**Timing@Short[lhs = λ[Knot["K12n210"]]]**

(Alt) Out[ ]=

$$\left\{ 0.515625, \left\{ \frac{(1 - T + T^3) (1 - T^2 + T^3)}{T^3}, \frac{\llcorner 1 \gg}{T_1^{12} \llcorner 1 \gg (-1 + 2 \llcorner 1 \gg)} \right\} \right\}$$

(Alt) In[ ]:=

**Timing@Short[rhs = λ[Knot["K12n214"]]]**

(Alt) Out[ ]=

$$\left\{ 0.078125, \left\{ \frac{(1 - T + T^3) (1 - T^2 + T^3)}{T^3}, \frac{\llcorner 1 \gg}{T_1^{12} \llcorner 1 \gg (-1 + 2 \llcorner 1 \gg)} \right\} \right\}$$

(Alt) In[ ]:=

**Simplify[lhs == rhs]**

(Alt) Out[ ]=

$$\left\{ 0, \frac{1}{T_1^{12} T_2^{12} (-1 + 2 T_2)} 3 \left( 2 - 5 T_1 + 2 T_1^2 + 8 T_1^3 - 12 T_1^4 + 4 T_1^5 + 4 T_1^6 - 4 T_1^7 + T_1^8 \right) (-1 + T_2)^2 (1 - T_2 - T_2^2 + 3 T_2^3 - T_2^4 - T_2^5 + T_2^6) (1 + (2 - 10 T_1) T_2 + (-4 + 7 T_1 + 8 T_1^2) T_2^2 + T_1 (4 - 11 T_1 + 12 T_1^2) T_2^3 + T_1^2 (4 - 3 T_1 - 28 T_1^2) T_2^4 + T_1^3 (-12 + 25 T_1 + 8 T_1^2) T_2^5 + T_1^4 (4 - 11 T_1 + 10 T_1^2) T_2^6 + T_1^5 (4 - 7 T_1 - 9 T_1^2) T_2^7 + T_1^6 (-4 + 9 T_1) T_2^8) (T_2 + T_1^5 T_2^4 - T_1^4 T_2^2 (1 + T_2 + T_2^3) - T_1 (1 + T_2^2 + T_2^3) + T_1^2 (T_2 + T_2^4) + T_1^3 (T_2 + T_2^4))^2 \right\} == \{0, 0\}$$

## Rolfsen Table Testing

Following pensieve://2016-09/1colInvarianceTesting.nb.

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

```
Table[
  Length@Get["C:\\drorbn\\AcademicPensieve\\2016-09\\" <> ToString[n] <> ".m"], {n, 7, 10}]
```

```
(Alt) Out[ ]=
```

```
{10, 80, 315, 1712}
```

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

```
tot = 0;
tab = Table[
  edges = Get["C:\\drorbn\\AcademicPensieve\\2016-09\\" <> ToString[n] <> ".m"];
  k = 0;
  Table[
    ++k;
    If[e[[1]] != e[[2]],
      Echo[{{++tot, n, k, e} → λ[DTCode @@ (2 e[[1])] == λ[DTCode @@ (2 e[[2])] ∨
        λ[DTCode @@ (2 e[[1])] == λ[DTCode @@ (-2 e[[2])]}],
    ],
    {e, edges}],
  {n, 7, 10}
]
```

- » {1, 7, 3, {{2, 4, 6, 5, 1, 7, 3}}, {2, 4, 6, 1, 7, 3, 5}, Flype}} → True
- » {2, 7, 4, {{2, 4, 6, 7, 1, 3, 5}}, {2, 4, 5, 6, 1, 7, 3}, Flype}} → True
- » {3, 7, 6, {{2, 5, 7, 6, 1, 3, 4}}, {2, 5, 6, 7, 1, 4, 3}, Flype}} → True
- » {4, 8, 5, {{2, 4, 6, 8, 1, 7, 3, 5}}, {2, 4, 5, 7, 1, 8, 3, 6}, Flype}} → True
- » {5, 8, 6, {{2, 4, 7, 1, 6, 8, 3, 5}}, {2, 4, 6, 1, 7, 3, 8, 5}, Flype}} → True
- » {6, 8, 8, {{2, 4, 8, 6, 1, 7, 3, 5}}, {2, 4, 7, 5, 1, 8, 3, 6}, Flype}} → True
- » {7, 8, 9, {{2, 5, 4, 7, 1, 8, 3, 6}}, {2, 4, 6, 1, 8, 7, 3, 5}, Flype}} → True
- » {8, 8, 10, {{2, 5, 4, 7, 6, 1, 8, 3}}, {2, 4, 7, 5, 1, 8, 3, 6}, Flype}} → True
- » {9, 8, 11, {{2, 5, 4, 7, 8, 1, 3, 6}}, {2, 4, 5, 7, 1, 8, 3, 6}, Flype}} → True
- » {10, 8, 16, {{2, 5, 6, 8, 7, 1, 3, 4}}, {2, 5, 6, 7, 8, 1, 4, 3}, Flype}} → True
- » {11, 8, 17, {{2, 5, 7, 6, 1, 8, 3, 4}}, {2, 5, 6, 7, 1, 8, 4, 3}, Flype}} → True
- » {12, 8, 19, {{2, 5, 8, 6, 7, 1, 4, 3}}, {2, 5, 7, 8, 6, 1, 4, 3}, Flype}} → True
- » {13, 8, 32, {{2, 4, -6, 1, 7, 8, -3, 5}}, {2, 4, -6, 1, -7, -3, -8, -5}, 2-Pass}} → True
- » {14, 8, 34, {{2, 4, 6, 1, -7, -8, 3, -5}}, {2, 4, -6, 1, 7, -3, 8, 5}, 2-Pass}} → True
- » {15, 8, 37, {{2, 4, -7, 1, -6, -8, -3, -5}}, {2, 4, -6, 1, -7, -3, -8, -5}, Flype}} → True
- » {16, 8, 38, {{2, 4, -7, 1, -6, -8, -3, -5}}, {2, 4, -6, 1, 7, 8, -3, 5}, 2-Pass}} → True
- » {17, 8, 39, {{2, 4, -7, 1, 6, 8, -3, 5}}, {2, 4, -6, 1, 7, -3, 8, 5}, Flype}} → True
- » {18, 8, 40, {{2, 4, -7, 1, 6, 8, -3, 5}}, {2, 4, 6, 1, -7, -8, 3, -5}, 2-Pass}} → True
- » {19, 8, 43, {{3, 4, -6, 1, -7, -8, -2, -5}}, {2, 4, -6, 1, -7, -3, -8, -5}, 2-Pass}} → True
- » {20, 8, 44, {{3, 4, -6, 1, -7, -8, -2, -5}}, {2, 4, -6, 1, 7, 8, -3, 5}, 2-Pass}} → True
- » {21, 8, 46, {{3, 4, -6, 1, 7, 8, -2, 5}}, {2, 4, -6, 1, -7, -8, -3, -5}, 2-Pass}} → True

- » {22, 8, 48, {{3, -4, -6, 7, -2, -8, 1, -5}, {2, 4, -6, 1, 7, 8, -3, 5}, Reidemeister 3}} → True
- » {23, 8, 49, {{3, -4, -6, 7, -2, -8, 1, -5}, {2, 4, -7, 1, -6, -8, -3, -5}, 2-Pass}} → True
- » {24, 8, 50, {{3, -4, -6, 7, -2, -8, 1, -5}, {3, 4, -6, 1, -7, -8, -2, -5}, 2-Pass}} → True
- » {25, 8, 53, {{3, -4, -6, 7, -2, 8, -1, 5}, {2, 4, -6, 1, -7, -8, -3, -5}, Reidemeister 3}} → True
- » {26, 8, 54, {{3, -4, -6, 7, -2, 8, -1, 5}, {3, 4, -6, 1, 7, 8, -2, 5}, 2-Pass}} → True
- » {27, 8, 56, {{3, -4, 6, -7, -2, 8, -1, 5}, {2, 4, 6, 1, -7, -8, 3, -5}, Reidemeister 3}} → True
- » {28, 8, 57, {{3, -4, 6, -7, -2, 8, -1, 5}, {2, 4, -7, 1, 6, 8, -3, 5}, 2-Pass}} → True
- » {29, 8, 59, {{3, -4, 6, 7, -2, 8, 1, 5}, {3, -4, 6, -7, -2, 8, -1, 5}, 2-Pass}} → True
- » {30, 8, 61, {{3, -4, -7, 6, -2, -8, 1, -5}, {2, 4, -6, 1, 7, -3, 8, 5}, Reidemeister 3}} → True
- » {31, 8, 62, {{3, -4, -7, 6, -2, -8, 1, -5}, {2, 4, 6, 1, -7, -8, 3, -5}, 2-Pass}} → True
- » {32, 8, 63, {{3, -4, -7, 6, -2, -8, 1, -5}, {3, -4, 6, 7, -2, 8, 1, 5}, Reidemeister 3}} → True
- » {33, 8, 65, {{3, -4, -7, 6, -2, 8, -1, 5}, {2, 4, -6, 1, -7, -3, -8, -5}, Reidemeister 3}} → True
- » {34, 8, 66, {{3, -4, -7, 6, -2, 8, -1, 5}, {2, 4, -6, 1, 7, 8, -3, 5}, 2-Pass}} → True
- » {35, 8, 67, {{3, -4, -7, 6, -2, 8, -1, 5}, {3, -4, -5, 6, -7, -8, 1, -2}, Reidemeister 3}} → True
- » {36, 8, 68, {{3, -4, -7, 6, -2, 8, -1, 5}, {3, 4, -6, 1, -7, -8, -2, -5}, Reidemeister 3}} → True
- » {37, 8, 69, {{3, -4, -7, 6, -2, 8, -1, 5}, {3, -4, -6, 7, -2, -8, 1, -5}, Reidemeister 3}} → True
- » {38, 8, 71, {{3, -4, 7, -6, -2, -8, 1, -5}, {2, 4, -6, 1, -7, -8, -3, -5}, 2-Pass}} → True
- » {39, 8, 72, {{3, -4, 7, -6, -2, -8, 1, -5}, {3, -4, 5, -6, 7, -8, 1, -2}, Reidemeister 3}} → True
- » {40, 8, 73, {{3, -4, 7, -6, -2, -8, 1, -5}, {3, 4, -6, 1, 7, 8, -2, 5}, Reidemeister 3}} → True
- » {41, 8, 74, {{3, -4, 7, -6, -2, -8, 1, -5}, {3, -4, -6, 7, -2, 8, -1, 5}, Reidemeister 3}} → True
- » {42, 8, 77, {{3, -4, 7, 6, -2, 8, 1, 5}, {3, -4, -5, 6, -7, -8, 1, -2}, Reidemeister 3}} → True
- » {43, 8, 78, {{3, -4, 7, 6, -2, 8, 1, 5}, {3, -4, -6, 7, -2, -8, 1, -5}, Reidemeister 3}} → True
- » {44, 8, 79, {{3, -4, 7, 6, -2, 8, 1, 5}, {3, -4, -7, 6, -2, 8, -1, 5}, 2-Pass}} → True
- » {45, 9, 4, {{2, 4, 5, 8, 1, 7, 9, 3, 6}, {2, 4, 5, 7, 1, 8, 3, 9, 6}, Flype}} → True
- » {46, 9, 7, {{2, 4, 6, 1, 8, 9, 3, 5, 7}, {2, 4, 5, 7, 1, 8, 3, 9, 6}, Flype}} → True
- » {47, 9, 8, {{2, 4, 6, 1, 9, 8, 3, 5, 7}, {2, 4, 6, 1, 8, 7, 3, 9, 5}, Flype}} → True
- » {48, 9, 10, {{2, 4, 7, 1, 6, 8, 3, 9, 5}, {2, 4, 6, 1, 8, 3, 9, 5, 7}, Flype}} → True
- » {49, 9, 11, {{2, 4, 7, 1, 6, 9, 8, 3, 5}, {2, 4, 6, 1, 8, 7, 3, 9, 5}, Flype}} → True
- » {50, 9, 13, {{2, 4, 7, 1, 8, 9, 5, 3, 6}, {2, 4, 5, 7, 1, 8, 3, 9, 6}, Flype}} → True
- » {51, 9, 18, {{2, 4, 7, 8, 1, 3, 9, 5, 6}, {2, 4, 6, 7, 1, 8, 9, 5, 3}, Flype}} → True
- » {52, 9, 19, {{2, 4, 7, 9, 1, 8, 3, 5, 6}, {2, 4, 5, 7, 1, 8, 9, 3, 6}, Flype}} → True
- » {53, 9, 20, {{2, 4, 7, 9, 1, 8, 3, 6, 5}, {2, 4, 5, 7, 1, 9, 8, 3, 6}, Flype}} → True
- » {54, 9, 21, {{2, 4, 8, 1, 7, 9, 5, 3, 6}, {2, 4, 6, 1, 8, 3, 9, 5, 7}, Flype}} → True
- » {55, 9, 22, {{2, 4, 8, 7, 1, 3, 9, 5, 6}, {2, 4, 7, 6, 1, 8, 9, 5, 3}, Flype}} → True
- » {56, 9, 23, {{2, 4, 9, 7, 1, 8, 3, 5, 6}, {2, 4, 7, 5, 1, 8, 9, 3, 6}, Flype}} → True
- » {57, 9, 24, {{2, 4, 9, 7, 1, 8, 3, 6, 5}, {2, 4, 7, 5, 1, 9, 8, 3, 6}, Flype}} → True



- » {58, 9, 25, {{2, 5, 4, 7, 1, 8, 9, 3, 6}, {2, 4, 7, 1, 8, 9, 3, 6, 5}, Flype}} → True
- » {59, 9, 26, {{2, 5, 4, 7, 1, 9, 8, 3, 6}, {2, 4, 7, 1, 9, 8, 3, 6, 5}, Flype}} → True
- » {60, 9, 27, {{2, 5, 4, 8, 6, 1, 9, 3, 7}, {2, 4, 7, 5, 1, 9, 8, 3, 6}, Flype}} → True
- » {61, 9, 33, {{2, 5, 6, 8, 1, 9, 3, 4, 7}, {2, 5, 6, 7, 1, 9, 8, 3, 4}, Flype}} → True
- » {62, 9, 34, {{2, 5, 6, 8, 1, 9, 4, 3, 7}, {2, 5, 6, 7, 1, 9, 8, 4, 3}, Flype}} → True
- » {63, 9, 35, {{2, 5, 6, 8, 3, 1, 9, 4, 7}, {2, 4, 5, 7, 1, 9, 8, 3, 6}, Flype}} → True
- » {64, 9, 36, {{2, 5, 6, 8, 7, 1, 9, 3, 4}, {2, 5, 6, 7, 8, 1, 9, 4, 3}, Flype}} → True
- » {65, 9, 38, {{2, 5, 6, 8, 9, 1, 3, 4, 7}, {2, 5, 6, 7, 8, 1, 3, 9, 4}, Flype}} → True
- » {66, 9, 39, {{2, 5, 6, 8, 9, 1, 4, 3, 7}, {2, 5, 6, 7, 1, 9, 8, 3, 4}, Flype}} → True
- » {67, 9, 40, {{2, 5, 7, 6, 1, 9, 8, 3, 4}, {2, 5, 6, 7, 1, 9, 8, 4, 3}, Flype}} → True
- » {68, 9, 42, {{2, 5, 7, 8, 1, 9, 3, 6, 4}, {2, 5, 6, 7, 1, 9, 8, 3, 4}, Flype}} → True
- » {69, 9, 46, {{2, 5, 7, 8, 9, 1, 3, 6, 4}, {2, 5, 6, 7, 8, 1, 3, 9, 4}, Flype}} → True
- » {70, 9, 47, {{2, 5, 7, 8, 9, 1, 4, 3, 6}, {2, 5, 6, 7, 8, 1, 9, 4, 3}, Flype}} → True
- » {71, 9, 48, {{2, 5, 7, 9, 8, 1, 3, 6, 4}, {2, 5, 7, 6, 8, 1, 3, 9, 4}, Flype}} → True
- » {72, 9, 49, {{2, 5, 8, 7, 1, 9, 3, 4, 6}, {2, 5, 7, 8, 1, 9, 4, 3, 6}, Flype}} → True
- » {73, 9, 50, {{2, 5, 8, 7, 1, 9, 3, 6, 4}, {2, 5, 6, 7, 1, 9, 8, 4, 3}, Flype}} → True
- » {74, 9, 52, {{2, 5, 8, 7, 9, 1, 3, 4, 6}, {2, 5, 6, 7, 8, 1, 9, 4, 3}, Flype}} → True
- » {75, 9, 53, {{2, 5, 8, 7, 9, 1, 4, 3, 6}, {2, 5, 6, 8, 7, 1, 9, 4, 3}, Flype}} → True
- » {76, 9, 54, {{2, 5, 9, 7, 1, 8, 3, 6, 4}, {2, 5, 6, 8, 1, 4, 9, 3, 7}, Flype}} → True
- » {77, 9, 55, {{2, 5, 9, 7, 8, 1, 3, 4, 6}, {2, 5, 7, 8, 6, 1, 9, 3, 4}, Flype}} → True
- » {78, 9, 56, {{2, 5, 9, 7, 8, 1, 4, 3, 6}, {2, 5, 7, 8, 6, 1, 9, 4, 3}, Flype}} → True
- » {79, 9, 57, {{2, 5, 9, 8, 7, 1, 3, 4, 6}, {2, 5, 7, 8, 6, 1, 9, 4, 3}, Flype}} → True
- » {80, 9, 58, {{2, 6, 4, 8, 9, 1, 5, 3, 7}, {2, 5, 6, 8, 1, 4, 9, 3, 7}, Flype}} → True
- » {81, 9, 59, {{2, 6, 5, 8, 7, 1, 9, 3, 4}, {2, 5, 7, 8, 1, 9, 4, 3, 6}, Flype}} → True
- » {82, 9, 60, {{2, 6, 5, 8, 7, 1, 9, 4, 3}, {2, 5, 8, 7, 1, 9, 4, 3, 6}, Flype}} → True
- » {83, 9, 63, {{2, 6, 7, 9, 8, 1, 5, 3, 4}, {2, 6, 7, 8, 9, 1, 5, 4, 3}, Flype}} → True
- » {84, 9, 66, {{2, 6, 9, 7, 8, 1, 3, 4, 5}, {2, 6, 7, 8, 9, 1, 5, 3, 4}, Flype}} → True
- » {85, 9, 67, {{2, 6, 9, 8, 7, 1, 3, 4, 5}, {2, 6, 7, 8, 9, 1, 5, 4, 3}, Flype}} → True
- » {86, 9, 68, {{2, 6, 9, 8, 7, 1, 4, 5, 3}, {2, 6, 8, 9, 7, 1, 5, 4, 3}, Flype}} → True
- » {87, 9, 69, {{2, 6, 9, 8, 7, 1, 5, 3, 4}, {2, 6, 8, 9, 7, 1, 5, 4, 3}, Flype}} → True
- » {88, 9, 72, {{3, 4, 7, 1, 9, 8, 2, 5, 6}, {2, 6, 8, 9, 7, 1, 4, 5, 3}, Flype}} → True
- » {89, 9, 79, {{3, 6, 7, 9, 8, 1, 2, 4, 5}, {3, 6, 7, 8, 9, 1, 2, 5, 4}, Flype}} → True
- » {90, 9, 81, {{3, 6, 7, 9, 8, 2, 1, 4, 5}, {3, 6, 7, 8, 9, 2, 1, 5, 4}, Flype}} → True
- » {91, 9, 86, {{4, 6, 7, 8, 9, 2, 1, 3, 5}, {4, 6, 7, 8, 9, 1, 3, 2, 5}, Flype}} → True
- » {92, 9, 93, {{2, 4, 5, -7, 1, 8, 9, -3, 6}, {2, 4, 5, 7, 1, -8, 3, -9, -6}, 2-Pass}} → True
- » {93, 9, 95, {{2, 4, 5, 7, 1, -8, -9, 3, -6}, {2, 4, 5, -7, 1, 8, -3, 9, 6}, 2-Pass}} → True

- » {94, 9, 97, {{2, 4, 5, -8, 1, -7, -9, -3, -6}, {2, 4, 5, -7, 1, -8, -3, -9, -6}, Flype}} → True
- » {95, 9, 98, {{2, 4, 5, -8, 1, 7, 9, -3, 6}, {2, 4, 5, -7, 1, 8, -3, 9, 6}, Flype}} → True
- » {96, 9, 99, {{2, 4, 5, -8, 1, 7, 9, -3, 6}, {2, 4, 5, 7, 1, -8, -9, 3, -6}, 2-Pass}} → True
- » {97, 9, 100, {{2, 4, 5, 8, 1, -7, -9, 3, -6}, {2, 4, 5, 7, 1, -8, 3, -9, -6}, Flype}} → True
- » {98, 9, 101, {{2, 4, 5, 8, 1, -7, -9, 3, -6}, {2, 4, 5, -7, 1, 8, 9, -3, 6}, 2-Pass}} → True
- » {99, 9, 103, {{2, 4, -6, 1, 8, -3, 9, 5, 7}, {2, 4, 5, -7, 1, -8, -3, -9, -6}, 2-Pass}} → True
- » {100, 9, 105, {{2, 4, 6, 1, -8, 3, -9, -5, -7}, {2, 4, 5, -7, 1, 8, -3, 9, 6}, 2-Pass}} → True
- » {101, 9, 107, {{2, 4, -6, 1, -8, -9, -3, -5, -7}, {2, 4, 5, 7, 1, -8, 3, -9, -6}, Flype}} → True
- » {102, 9, 108, {{2, 4, -6, 1, 8, 9, -3, 5, 7}, {2, 4, 5, -7, 1, 8, -3, 9, 6}, Flype}} → True
- » {103, 9, 109, {{2, 4, 6, 1, -8, -9, 3, -5, -7}, {2, 4, 5, -7, 1, -8, -3, -9, -6}, Flype}} → True
- » {104, 9, 111, {{2, 4, -6, 7, 1, -8, 9, -5, -3}, {2, 4, 6, 1, -8, -9, 3, -5, -7}, Reidemeister 3}} → True
- » {105, 9, 113, {{2, 4, -6, 7, 1, 8, -9, 5, -3}, {2, 4, -6, 1, 8, 9, -3, 5, 7}, Reidemeister 3}} → True
- » {106, 9, 115, {{2, 4, 6, -7, 1, -8, 9, -5, -3}, {2, 4, 5, -7, 1, 8, 9, -3, 6}, 2-Pass}} → True
- » {107, 9, 116,
  - {{2, 4, 6, -7, 1, -8, 9, -5, -3}, {2, 4, -6, 1, -8, -9, -3, -5, -7}, Reidemeister 3}} → True
- » {108, 9, 118, {{2, 4, 6, -7, 1, 8, -9, 5, -3}, {2, 4, 5, -7, 1, -8, -9, -3, -6}, 2-Pass}} → True
- » {109, 9, 121, {{2, 4, -7, 1, -6, -8, -3, -9, -5}, {2, 4, 5, -7, 1, -8, -9, -3, -6}, 2-Pass}} → True
- » {110, 9, 122, {{2, 4, -7, 1, -6, -8, -3, -9, -5}, {2, 4, -6, 1, -8, -3, -9, -5, -7}, Flype}} → True
- » {111, 9, 123, {{2, 4, -7, 1, 6, 8, -3, 9, 5}, {2, 4, -6, 1, 8, -3, 9, 5, 7}, Flype}} → True
- » {112, 9, 124, {{2, 4, -7, 1, 6, 8, -3, 9, 5}, {2, 4, -6, 7, 1, -8, 9, -5, -3}, 2-Pass}} → True
- » {113, 9, 125, {{2, 4, 7, 1, -6, -8, 3, -9, -5}, {2, 4, 5, 7, 1, -8, -9, 3, -6}, 2-Pass}} → True
- » {114, 9, 126, {{2, 4, 7, 1, -6, -8, 3, -9, -5}, {2, 4, 6, 1, -8, 3, -9, -5, -7}, Flype}} → True
- » {115, 9, 127, {{2, 4, 7, 1, -6, -8, 3, -9, -5}, {2, 4, -6, 7, 1, 8, -9, 5, -3}, 2-Pass}} → True
- » {116, 9, 128, {{2, 4, -7, 1, -8, -9, -5, -3, -6}, {2, 4, 5, 7, 1, -8, 3, -9, -6}, Flype}} → True
- » {117, 9, 129, {{2, 4, -7, 1, 8, 9, 5, -3, 6}, {2, 4, 5, -7, 1, 8, -3, 9, 6}, Flype}} → True
- » {118, 9, 130, {{2, 4, 7, 1, -8, -9, -5, 3, -6}, {2, 4, 5, -7, 1, -8, -3, -9, -6}, Flype}} → True
- » {119, 9, 131, {{2, 4, -7, 5, 1, -8, -9, -3, -6}, {2, 4, 5, 8, 1, -7, -9, 3, -6}, 2-Pass}} → True
- » {120, 9, 133, {{2, 4, -7, 5, 1, 8, 9, -3, 6}, {2, 4, -7, 1, -6, -8, -3, -9, -5}, 2-Pass}} → True
- » {121, 9, 135, {{2, 4, 7, 5, 1, -8, -9, 3, -6}, {2, 4, 5, -8, 1, -7, -9, -3, -6}, 2-Pass}} → True
- » {122, 9, 136, {{2, 4, 7, 5, 1, -8, -9, 3, -6}, {2, 4, -7, 1, 6, 8, -3, 9, 5}, 2-Pass}} → True
- » {123, 9, 139,
  - {{2, 4, -7, 6, 1, -8, 9, -5, -3}, {2, 4, -6, 1, -8, -3, -9, -5, -7}, Reidemeister 3}} → True
- » {124, 9, 140, {{2, 4, -7, 6, 1, -8, 9, -5, -3}, {2, 4, -7, 5, 1, 8, 9, -3, 6}, 2-Pass}} → True
- » {125, 9, 142, {{2, 4, -7, 6, 1, 8, -9, 5, -3}, {2, 4, -7, 1, -8, -9, -5, -3, -6}, 2-Pass}} → True
- » {126, 9, 143, {{2, 4, -7, 6, 1, 8, -9, 5, -3}, {2, 4, -7, 5, 1, -8, -9, -3, -6}, 2-Pass}} → True
- » {127, 9, 145, {{2, 4, 7, -6, 1, -8, 9, -5, -3}, {2, 4, 5, -7, 1, 8, -3, 9, 6}, 2-Pass}} → True
- » {128, 9, 146, {{2, 4, 7, -6, 1, -8, 9, -5, -3}, {2, 4, 6, 1, -8, 3, -9, -5, -7}, Reidemeister 3}} → True

- » {129, 9, 147, {{2, 4, 7, -6, 1, -8, 9, -5, -3}, {2, 4, -7, 1, 8, 9, 5, -3, 6}, 2-Pass}} → True
- » {130, 9, 149, {{2, 4, 7, -6, 1, 8, -9, 5, -3}, {2, 4, 5, -7, 1, -8, -3, -9, -6}, 2-Pass}} → True
- » {131, 9, 150, {{2, 4, 7, -6, 1, 8, -9, 5, -3}, {2, 4, -6, 1, 8, -3, 9, 5, 7}, Reidemeister 3}} → True
- » {132, 9, 153, {{2, 4, -7, -8, 1, -3, -9, -5, -6}, {2, 4, -6, -7, 1, -8, -9, -5, -3}, Flype}} → True
- » {133, 9, 154, {{2, 4, -7, 8, 1, -3, -9, 5, -6}, {2, 4, 5, -7, 1, 8, 9, -3, 6}, 2-Pass}} → True
- » {134, 9, 155, {{2, 4, -7, 8, 1, -3, -9, 5, -6}, {2, 4, 6, -7, 1, -8, 9, -5, -3}, Flype}} → True
- » {135, 9, 156,
  - {{2, 4, -7, 8, 1, -3, -9, 5, -6}, {2, 4, -7, 5, 1, -8, -9, -3, -6}, Reidemeister 3}} → True
- » {136, 9, 157, {{2, 4, -7, 8, 1, -3, -9, 5, -6}, {2, 4, -7, 6, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {137, 9, 158, {{2, 4, -7, 8, 1, -3, 9, -5, 6}, {2, 4, 6, -7, 1, 8, -9, 5, -3}, 2-Pass}} → True
- » {138, 9, 159, {{2, 4, -7, 8, 1, -3, 9, -5, 6}, {2, 4, 6, -7, 1, 8, -9, 5, -3}, Flype}} → True
- » {139, 9, 160, {{2, 4, -7, 8, 1, -3, 9, -5, 6}, {2, 4, -7, 5, 1, 8, 9, -3, 6}, Reidemeister 3}} → True
- » {140, 9, 161, {{2, 4, -7, 8, 1, -3, 9, -5, 6}, {2, 4, -7, 6, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {141, 9, 162, {{2, 4, 7, -8, 1, -3, -9, 5, -6}, {2, 4, -6, 7, 1, -8, 9, -5, -3}, Flype}} → True
- » {142, 9, 163, {{2, 4, 7, -8, 1, -3, -9, 5, -6}, {2, 4, 6, 7, 1, -8, 9, -5, 3}, 2-Pass}} → True
- » {143, 9, 164, {{2, 4, 7, -8, 1, -3, -9, 5, -6}, {2, 4, 7, 5, 1, -8, -9, 3, -6}, Reidemeister 3}} → True
- » {144, 9, 165, {{2, 4, 7, -8, 1, -3, 9, -5, 6}, {2, 4, 5, 7, 1, -8, -9, 3, -6}, 2-Pass}} → True
- » {145, 9, 166, {{2, 4, 7, -8, 1, -3, 9, -5, 6}, {2, 4, -6, 7, 1, 8, -9, 5, -3}, Flype}} → True
- » {146, 9, 167, {{2, 4, 7, -8, 1, -3, 9, -5, 6}, {2, 4, 7, 6, 1, -8, 9, -5, 3}, Reidemeister 3}} → True
- » {147, 9, 168, {{2, 4, 7, 8, 1, 3, -9, 5, -6}, {2, 4, -6, 7, 1, -8, 9, -5, -3}, 2-Pass}} → True
- » {148, 9, 169, {{2, 4, 7, 8, 1, 3, -9, 5, -6}, {2, 4, 6, 7, 1, -8, 9, -5, 3}, Flype}} → True
- » {149, 9, 170, {{2, 4, 7, 8, 1, 3, -9, 5, -6}, {2, 4, 7, -6, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {150, 9, 171, {{2, 4, -7, 9, 1, -8, -3, -5, -6}, {2, 4, 5, -7, 1, -8, -9, -3, -6}, Flype}} → True
- » {151, 9, 172, {{2, 4, -7, 9, 1, -8, -3, -5, -6}, {2, 4, -6, 1, -8, -3, -9, -5, -7}, 2-Pass}} → True
- » {152, 9, 173, {{2, 4, -7, 9, 1, -8, -3, -5, -6}, {2, 4, -7, 5, 1, 8, 9, -3, 6}, 2-Pass}} → True
- » {153, 9, 174,
  - {{2, 4, -7, 9, 1, -8, -3, -5, -6}, {2, 4, -7, 6, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {154, 9, 175, {{2, 4, -7, 9, 1, 8, -3, 5, 6}, {2, 4, 5, -7, 1, 8, 9, -3, 6}, Flype}} → True
- » {155, 9, 176, {{2, 4, -7, 9, 1, 8, -3, 5, 6}, {2, 4, 6, -7, 1, -8, 9, -5, -3}, 2-Pass}} → True
- » {156, 9, 177, {{2, 4, -7, 9, 1, 8, -3, 5, 6}, {2, 4, -7, 5, 1, -8, -9, -3, -6}, 2-Pass}} → True
- » {157, 9, 178, {{2, 4, -7, 9, 1, 8, -3, 5, 6}, {2, 4, -7, 6, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {158, 9, 179, {{2, 4, 7, 9, 1, -8, 3, -5, -6}, {2, 4, 5, 7, 1, -8, -9, 3, -6}, Flype}} → True
- » {159, 9, 180, {{2, 4, 7, 9, 1, -8, 3, -5, -6}, {2, 4, 6, 1, -8, 3, -9, -5, -7}, 2-Pass}} → True
- » {160, 9, 181, {{2, 4, 7, 9, 1, -8, 3, -5, -6}, {2, 4, -6, 7, 1, 8, -9, 5, -3}, 2-Pass}} → True
- » {161, 9, 182, {{2, 4, 7, 9, 1, -8, 3, -5, -6}, {2, 4, 7, -6, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {162, 9, 183, {{2, 4, -8, 1, -7, -9, -5, -3, -6}, {2, 4, -6, 1, -8, -3, -9, -5, -7}, Flype}} → True
- » {163, 9, 184, {{2, 4, -8, 1, -7, -9, -5, -3, -6}, {2, 4, 6, -7, 1, 8, -9, 5, -3}, 2-Pass}} → True

- » {164, 9, 185, {{2, 4, -8, 1, 7, 9, 5, -3, 6}, {2, 4, -6, 1, 8, -3, 9, 5, 7}, Flype}} → True
- » {165, 9, 186, {{2, 4, -8, 1, 7, 9, 5, -3, 6}, {2, 4, -6, 7, 1, -8, 9, -5, -3}, 2-Pass}} → True
- » {166, 9, 187, {{2, 4, 8, 1, -7, -9, -5, 3, -6}, {2, 4, 6, 1, -8, 3, -9, -5, -7}, Flype}} → True
- » {167, 9, 188, {{2, 4, -8, -7, 1, -3, -9, -5, -6}, {2, 4, -7, -6, 1, -8, -9, -5, -3}, Flype}} → True
- » {168, 9, 189, {{2, 4, -8, 7, 1, -3, -9, 5, -6}, {2, 4, 5, -7, 1, 8, -3, 9, 6}, 2-Pass}} → True
- » {169, 9, 190, {{2, 4, -8, 7, 1, -3, -9, 5, -6}, {2, 4, 5, 7, 1, -8, -9, 3, -6}, Reidemeister 3}} → True
- » {170, 9, 191, {{2, 4, -8, 7, 1, -3, -9, 5, -6}, {2, 4, 7, -6, 1, -8, 9, -5, -3}, Flype}} → True
- » {171, 9, 192, {{2, 4, -8, 7, 1, -3, -9, 5, -6}, {2, 4, 7, 6, 1, -8, 9, -5, 3}, 2-Pass}} → True
- » {172, 9, 193, {{2, 4, -8, 7, 1, -3, 9, -5, 6}, {2, 4, 6, 7, 1, -8, 9, -5, 3}, Reidemeister 3}} → True
- » {173, 9, 194, {{2, 4, -8, 7, 1, -3, 9, -5, 6}, {2, 4, 7, 5, 1, -8, -9, 3, -6}, 2-Pass}} → True
- » {174, 9, 195, {{2, 4, -8, 7, 1, -3, 9, -5, 6}, {2, 4, 7, -6, 1, 8, -9, 5, -3}, Flype}} → True
- » {175, 9, 196,
  - {{2, 4, 8, -7, 1, -3, -9, 5, -6}, {2, 4, 5, -7, 1, -8, -9, -3, -6}, Reidemeister 3}} → True
- » {176, 9, 197, {{2, 4, 8, -7, 1, -3, -9, 5, -6}, {2, 4, 6, -7, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {177, 9, 198, {{2, 4, 8, -7, 1, -3, -9, 5, -6}, {2, 4, -7, 5, 1, 8, 9, -3, 6}, 2-Pass}} → True
- » {178, 9, 199, {{2, 4, 8, -7, 1, -3, -9, 5, -6}, {2, 4, -7, 6, 1, -8, 9, -5, -3}, Flype}} → True
- » {179, 9, 200, {{2, 4, 8, -7, 1, -3, 9, -5, 6}, {2, 4, 5, 7, 1, -8, 3, -9, -6}, 2-Pass}} → True
- » {180, 9, 201, {{2, 4, 8, -7, 1, -3, 9, -5, 6}, {2, 4, 5, -7, 1, 8, 9, -3, 6}, Reidemeister 3}} → True
- » {181, 9, 202, {{2, 4, 8, -7, 1, -3, 9, -5, 6}, {2, 4, 6, -7, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {182, 9, 203, {{2, 4, 8, -7, 1, -3, 9, -5, 6}, {2, 4, -7, 6, 1, 8, -9, 5, -3}, 2-Pass}} → True
- » {183, 9, 204, {{2, 4, 8, -7, 1, -3, 9, -5, 6}, {2, 4, -7, 6, 1, 8, -9, 5, -3}, Flype}} → True
- » {184, 9, 205, {{2, 4, 8, 7, 1, 3, -9, 5, -6}, {2, 4, -6, 7, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {185, 9, 206, {{2, 4, 8, 7, 1, 3, -9, 5, -6}, {2, 4, 7, -6, 1, -8, 9, -5, -3}, 2-Pass}} → True
- » {186, 9, 207, {{2, 4, 8, 7, 1, 3, -9, 5, -6}, {2, 4, 7, 6, 1, -8, 9, -5, 3}, Flype}} → True
- » {187, 9, 208, {{2, 4, 9, -7, 1, -8, -3, -5, -6}, {2, 4, 5, -7, 1, 8, 9, -3, 6}, 2-Pass}} → True
- » {188, 9, 209,
  - {{2, 4, 9, -7, 1, -8, -3, -5, -6}, {2, 4, 6, -7, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {189, 9, 210, {{2, 4, 9, -7, 1, -8, -3, -5, -6}, {2, 4, -7, 5, 1, -8, -9, -3, -6}, Flype}} → True
- » {190, 9, 211, {{2, 4, 9, -7, 1, 8, -3, 5, 6}, {2, 4, 5, -7, 1, -8, -9, -3, -6}, 2-Pass}} → True
- » {191, 9, 212, {{2, 4, 9, -7, 1, 8, -3, 5, 6}, {2, 4, -6, 1, -8, -3, -9, -5, -7}, 2-Pass}} → True
- » {192, 9, 213, {{2, 4, 9, -7, 1, 8, -3, 5, 6}, {2, 4, 6, -7, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {193, 9, 214, {{2, 4, 9, -7, 1, 8, -3, 5, 6}, {2, 4, -7, 5, 1, 8, 9, -3, 6}, Flype}} → True
- » {194, 9, 215, {{2, 4, 9, -7, 1, 8, -3, 5, 6}, {2, 4, -7, 6, 1, -8, 9, -5, -3}, 2-Pass}} → True
- » {195, 9, 216, {{2, 4, 9, 7, 1, -8, 3, -5, -6}, {2, 4, -6, 1, 8, -3, 9, 5, 7}, 2-Pass}} → True
- » {196, 9, 217, {{2, 4, 9, 7, 1, -8, 3, -5, -6}, {2, 4, -6, 7, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {197, 9, 218, {{2, 4, 9, 7, 1, -8, 3, -5, -6}, {2, 4, 7, 5, 1, -8, -9, 3, -6}, Flype}} → True
- » {198, 9, 219, {{2, 4, 9, 7, 1, -8, 3, -5, -6}, {2, 4, 7, -6, 1, 8, -9, 5, -3}, 2-Pass}} → True

- » {199, 9, 222, {{2, 5, -7, -9, -8, 1, -3, -6, -4}, {2, 5, -7, -6, -8, 1, -3, -9, -4}, 2-Pass}} → True
- » {200, 9, 223, {{2, 5, -7, -9, -8, 1, -3, -6, -4}, {2, 5, -7, -6, -8, 1, -3, -9, -4}, Flype}} → True
- » {201, 9, 224, {{2, 5, 7, -9, -8, 1, 3, 6, -4}, {2, 5, -7, -6, 8, 1, -3, 9, 4}, 2-Pass}} → True
- » {202, 9, 225, {{2, 5, 7, -9, -8, 1, 3, 6, -4}, {2, 5, -7, -6, 8, 1, -3, 9, 4}, Flype}} → True
- » {203, 9, 227,
  - {{3, -4, -5, 8, -7, 9, -2, -1, 6}, {2, 4, -7, -8, 1, -3, -9, -5, -6}, Reidemeister 3}} → True
- » {204, 9, 229, {{3, -4, 5, -8, -7, 9, -2, -1, 6}, {2, 4, 6, 7, 1, -8, 9, -5, 3}, 2-Pass}} → True
- » {205, 9, 230,
  - {{3, -4, 5, -8, -7, 9, -2, -1, 6}, {2, 4, 7, -8, 1, -3, -9, 5, -6}, Reidemeister 3}} → True
- » {206, 9, 232, {{3, -4, 5, -8, 7, -9, -2, 1, -6}, {2, 4, 6, -7, 1, 8, -9, 5, -3}, 2-Pass}} → True
- » {207, 9, 233, {{3, -4, 5, -8, 7, -9, -2, 1, -6}, {2, 4, -7, 8, 1, -3, 9, -5, 6}, Reidemeister 3}} → True
- » {208, 9, 235, {{3, -4, 5, -8, 7, 9, 2, -1, 6}, {2, 4, -6, 7, 1, -8, 9, -5, -3}, 2-Pass}} → True
- » {209, 9, 236, {{3, -4, 5, -8, 7, 9, 2, -1, 6}, {2, 4, 7, 8, 1, 3, -9, 5, -6}, Reidemeister 3}} → True
- » {210, 9, 238, {{3, -4, 5, 8, -7, 9, 2, -1, 6}, {2, 4, -7, 8, 1, -3, -9, 5, -6}, Reidemeister 3}} → True
- » {211, 9, 242, {{3, -5, 7, -6, -8, -1, 9, 2, -4}, {2, 5, -7, -6, -8, 1, -3, -9, -4}, 2-Pass}} → True
- » {212, 9, 243, {{3, -5, 7, -6, -8, -1, 9, 2, -4}, {3, -4, -5, 8, -7, -9, -2, 1, -6}, 2-Pass}} → True
- » {213, 9, 245, {{3, -5, 7, 6, 8, -1, 9, 2, 4}, {3, -4, -5, 8, -7, 9, -2, -1, 6}, 2-Pass}} → True
- » {214, 9, 247,
  - {{3, -5, -7, 9, -2, -8, -1, -4, -6}, {2, 4, -6, 7, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {215, 9, 248, {{3, -5, -7, 9, -2, -8, -1, -4, -6}, {2, 4, -8, 7, 1, -3, -9, 5, -6}, 2-Pass}} → True
- » {216, 9, 250,
  - {{3, -5, -7, 9, -2, 8, -1, 4, 6}, {2, 4, -6, -7, 1, -8, -9, -5, -3}, Reidemeister 3}} → True
- » {217, 9, 251, {{3, -5, -7, 9, -2, 8, -1, 4, 6}, {2, 4, 6, -7, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {218, 9, 252, {{3, -5, -7, 9, -2, 8, -1, 4, 6}, {2, 4, -8, 1, -7, -9, -5, -3, -6}, 2-Pass}} → True
- » {219, 9, 253, {{3, -5, -7, 9, -2, 8, -1, 4, 6}, {2, 4, 9, -7, 1, 8, -3, 5, 6}, 2-Pass}} → True
- » {220, 9, 255, {{3, -5, -7, 9, -2, 8, 1, -4, 6}, {2, 4, -6, 7, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {221, 9, 256, {{3, -5, -7, 9, -2, 8, 1, -4, 6}, {2, 4, -8, 1, 7, 9, 5, -3, 6}, 2-Pass}} → True
- » {222, 9, 257, {{3, -5, -7, 9, -2, 8, 1, -4, 6}, {2, 4, -8, -7, 1, -3, -9, -5, -6}, 2-Pass}} → True
- » {223, 9, 258, {{3, -5, -7, 9, -2, 8, 1, -4, 6}, {2, 4, -8, 7, 1, -3, 9, -5, 6}, 2-Pass}} → True
- » {224, 9, 259, {{3, -5, -7, 9, -2, 8, 1, -4, 6}, {2, 4, 9, 7, 1, -8, 3, -5, -6}, 2-Pass}} → True
- » {225, 9, 262,
  - {{3, -5, -7, 9, -2, -8, -4, -1, -6}, {2, 4, -7, 6, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {226, 9, 263, {{3, -5, -7, 9, -2, -8, -4, -1, -6}, {2, 4, -7, 8, 1, -3, -9, 5, -6}, 2-Pass}} → True
- » {227, 9, 264,
  - {{3, -5, -7, 9, -2, -8, -4, -1, -6}, {3, -4, 5, 8, -7, 9, 2, -1, 6}, Reidemeister 3}} → True
- » {228, 9, 266, {{3, -5, -7, 9, -2, 8, -4, 1, 6}, {2, 4, -6, 1, -8, -3, -9, -5, -7}, 2-Pass}} → True
- » {229, 9, 267, {{3, -5, -7, 9, -2, 8, -4, 1, 6}, {2, 4, -7, 6, 1, -8, 9, -5, -3}, Reidemeister 3}} → True
- » {230, 9, 268, {{3, -5, -7, 9, -2, 8, -4, 1, 6}, {2, 4, -7, -8, 1, -3, -9, -5, -6}, 2-Pass}} → True

- » {231, 9, 269, {{3, -5, -7, 9, -2, 8, -4, 1, 6}, {2, 4, -7, 8, 1, -3, 9, -5, 6}, 2-Pass}} → True
- » {232, 9, 270, {{3, -5, -7, 9, -2, 8, -4, 1, 6}, {2, 4, 9, -7, 1, 8, -3, 5, 6}, 2-Pass}} → True
- » {233, 9, 271, {{3, -5, -7, 9, -2, 8, -4, 1, 6}, {3, -4, -5, 8, -7, 9, -2, -1, 6}, Reidemeister 3}} → True
- » {234, 9, 272, {{3, -5, -7, 9, -2, 8, -4, 1, 6}, {3, -4, 5, -8, 7, -9, -2, 1, -6}, Reidemeister 3}} → True
- » {235, 9, 274, {{3, -5, -7, 9, -2, 8, 4, -1, 6}, {2, 4, -6, 1, 8, -3, 9, 5, 7}, 2-Pass}} → True
- » {236, 9, 275, {{3, -5, -7, 9, -2, 8, 4, -1, 6}, {2, 4, -7, -6, 1, -8, -9, -5, -3}, Reidemeister 3}} → True
- » {237, 9, 276, {{3, -5, -7, 9, -2, 8, 4, -1, 6}, {2, 4, 7, -6, 1, 8, -9, 5, -3}, Reidemeister 3}} → True
- » {238, 9, 277, {{3, -5, -7, 9, -2, 8, 4, -1, 6}, {2, 4, 9, 7, 1, -8, 3, -5, -6}, 2-Pass}} → True
- » {239, 9, 278, {{3, -5, -7, 9, -2, 8, 4, -1, 6}, {3, -4, 5, -8, 7, 9, 2, -1, 6}, Reidemeister 3}} → True
- » {240, 9, 280, {{3, 5, 7, 9, 2, -8, 4, 1, -6}, {3, -4, -5, 8, -7, -9, -2, 1, -6}, Reidemeister 3}} → True
- » {241, 9, 282, {{3, -5, -7, 9, -8, -1, -4, -2, -6}, {3, -5, -7, 6, -8, -1, 9, -2, -4}, Reidemeister 3}} → True
- » {242, 9, 284, {{3, -5, -7, 9, -8, -1, 4, -2, 6}, {2, 5, -7, -6, 8, 1, -3, 9, 4}, Reidemeister 3}} → True
- » {243, 9, 285, {{3, -5, -7, 9, -8, -1, 4, -2, 6}, {2, 5, 7, -9, -8, 1, 3, 6, -4}, 2-Pass}} → True
- » {244, 9, 286, {{3, -5, -7, 9, -8, -1, 4, -2, 6}, {3, 5, 7, 9, 2, -8, 1, 4, -6}, 2-Pass}} → True
- » {245, 9, 288, {{3, -5, 7, 9, -8, -1, 4, 2, -6}, {2, 5, -7, -6, -8, 1, -3, -9, -4}, Reidemeister 3}} → True
- » {246, 9, 289, {{3, -5, 7, 9, -8, -1, 4, 2, -6}, {2, 5, -7, -9, -8, 1, -3, -6, -4}, 2-Pass}} → True
- » {247, 9, 290, {{3, -5, 7, 9, -8, -1, 4, 2, -6}, {3, -4, -5, 8, -7, -9, -2, 1, -6}, Reidemeister 3}} → True
- » {248, 9, 291, {{3, -5, 7, 9, -8, -1, 4, 2, -6}, {3, -5, 7, -6, -8, -1, 9, 2, -4}, Reidemeister 3}} → True
- » {249, 9, 292, {{3, -5, 7, 9, -8, -1, 4, 2, -6}, {3, 5, 7, 9, 2, -8, 4, 1, -6}, 2-Pass}} → True
- » {250, 9, 294, {{3, -5, 7, 9, 8, -1, 4, 2, 6}, {3, -4, 5, -8, 7, 9, 2, -1, 6}, Reidemeister 3}} → True
- » {251, 9, 295, {{3, -5, 7, 9, 8, -1, 4, 2, 6}, {3, -5, -7, 9, -2, 8, 1, -4, 6}, 2-Pass}} → True
- » {252, 9, 296, {{3, -5, 7, 9, 8, -1, 4, 2, 6}, {3, -5, -7, 9, -2, 8, 4, -1, 6}, 2-Pass}} → True
- » {253, 9, 298, {{3, 5, 7, 9, -8, 1, -4, 2, -6}, {3, -4, 5, -8, 7, -9, -2, 1, -6}, Reidemeister 3}} → True
- » {254, 9, 299, {{3, 5, 7, 9, -8, 1, -4, 2, -6}, {3, -5, 7, 6, 8, -1, 9, 2, 4}, Reidemeister 3}} → True
- » {255, 9, 300, {{3, 5, 7, 9, -8, 1, -4, 2, -6}, {3, -5, -7, 9, -2, 8, -1, 4, 6}, 2-Pass}} → True
- » {256, 9, 301, {{3, 5, 7, 9, -8, 1, -4, 2, -6}, {3, -5, -7, 9, -2, 8, -4, 1, 6}, 2-Pass}} → True
- » {257, 9, 303, {{3, -8, -7, 6, -2, -1, 9, -5, -4}, {3, 4, 5, 8, 7, -9, 2, 1, -6}, Reidemeister 3}} → True
- » {258, 9, 305, {{3, -8, -7, 6, -2, 1, -9, -5, -4}, {3, -4, -5, 8, -7, 9, -2, -1, 6}, Reidemeister 3}} → True
- » {259, 9, 306, {{3, -8, -7, 6, -2, 1, -9, -5, -4}, {3, -4, 5, -8, 7, -9, -2, 1, -6}, Reidemeister 3}} → True
- » {260, 9, 307, {{3, -8, -7, 6, -2, 1, -9, -5, -4}, {3, -5, 7, 6, 8, -1, 9, 2, 4}, Reidemeister 3}} → True

- » {261, 9, 309, {{3, -8, 7, -6, -2, 1, -9, 5, -4}, {3, -4, -5, 8, -7, -9, -2, 1, -6}, Reidemeister 3}} → True
- » {262, 9, 310, {{3, -8, 7, -6, -2, 1, -9, 5, -4}, {3, -5, 7, -6, -8, -1, 9, 2, -4}, Reidemeister 3}} → True
- » {263, 9, 312, {{4, -6, -8, -7, 9, -2, -1, -3, 5}, {2, 5, -7, -6, -8, 1, -3, -9, -4}, 2-Pass}} → True
- » {264, 9, 313, {{4, -6, -8, -7, 9, -2, -1, -3, 5}, {3, -5, 7, -6, -8, -1, 9, 2, -4}, Reidemeister 3}} → True
- » {265, 9, 314, {{4, -6, -8, -7, 9, -2, -1, -3, 5}, {3, -5, 7, 9, -8, -1, 4, 2, -6}, 2-Pass}} → True
- » {266, 10, 4, {{2, 4, 5, 7, 1, 9, 10, 3, 6, 8}, {2, 4, 5, 7, 1, 8, 9, 3, 10, 6}, Flype}} → True
- » {267, 10, 5, {{2, 4, 5, 7, 1, 10, 9, 3, 6, 8}, {2, 4, 5, 7, 1, 9, 8, 3, 10, 6}, Flype}} → True
- » {268, 10, 6, {{2, 4, 5, 8, 1, 7, 9, 3, 10, 6}, {2, 4, 5, 7, 1, 9, 3, 10, 6, 8}, Flype}} → True
- » {269, 10, 7, {{2, 4, 5, 8, 1, 7, 10, 9, 3, 6}, {2, 4, 5, 7, 1, 9, 8, 3, 10, 6}, Flype}} → True
- » {270, 10, 9, {{2, 4, 5, 8, 1, 9, 10, 6, 3, 7}, {2, 4, 5, 7, 1, 8, 9, 3, 10, 6}, Flype}} → True
- » {271, 10, 15, {{2, 4, 6, 1, 8, 10, 3, 9, 5, 7}, {2, 4, 6, 1, 7, 9, 3, 10, 5, 8}, Flype}} → True
- » {272, 10, 16, {{2, 4, 6, 1, 9, 3, 8, 10, 5, 7}, {2, 4, 6, 1, 8, 3, 9, 5, 10, 7}, Flype}} → True
- » {273, 10, 18, {{2, 4, 6, 1, 10, 8, 3, 9, 5, 7}, {2, 4, 6, 1, 9, 7, 3, 10, 5, 8}, Flype}} → True
- » {274, 10, 21, {{2, 4, 6, 10, 1, 8, 3, 9, 5, 7}, {2, 4, 5, 7, 1, 9, 3, 10, 6, 8}, Flype}} → True
- » {275, 10, 22, {{2, 4, 7, 1, 6, 9, 3, 10, 5, 8}, {2, 4, 6, 1, 8, 3, 10, 9, 5, 7}, Flype}} → True
- » {276, 10, 23, {{2, 4, 7, 1, 6, 9, 8, 3, 10, 5}, {2, 4, 6, 1, 9, 7, 3, 10, 5, 8}, Flype}} → True
- » {277, 10, 24, {{2, 4, 7, 1, 8, 9, 3, 6, 10, 5}, {2, 4, 5, 7, 1, 9, 8, 3, 10, 6}, Flype}} → True
- » {278, 10, 27, {{2, 4, 7, 1, 8, 9, 5, 3, 10, 6}, {2, 4, 6, 1, 7, 9, 3, 10, 5, 8}, Flype}} → True
- » {279, 10, 30, {{2, 4, 7, 1, 8, 10, 9, 3, 5, 6}, {2, 4, 7, 1, 8, 9, 10, 3, 6, 5}, Flype}} → True
- » {280, 10, 32, {{2, 4, 7, 1, 9, 8, 3, 10, 5, 6}, {2, 4, 7, 1, 8, 9, 3, 10, 6, 5}, Flype}} → True
- » {281, 10, 33, {{2, 4, 7, 1, 9, 8, 10, 3, 5, 6}, {2, 4, 7, 1, 8, 9, 10, 3, 6, 5}, Flype}} → True
- » {282, 10, 35, {{2, 4, 7, 1, 10, 9, 3, 6, 5, 8}, {2, 4, 7, 1, 9, 8, 3, 6, 10, 5}, Flype}} → True
- » {283, 10, 36, {{2, 4, 7, 1, 10, 9, 8, 3, 5, 6}, {2, 4, 7, 1, 9, 10, 8, 3, 6, 5}, Flype}} → True
- » {284, 10, 40, {{2, 4, 7, 8, 1, 9, 5, 10, 6, 3}, {2, 4, 6, 7, 1, 8, 10, 9, 5, 3}, Flype}} → True
- » {285, 10, 41, {{2, 4, 7, 10, 1, 9, 3, 6, 5, 8}, {2, 4, 5, 7, 1, 9, 8, 3, 10, 6}, Flype}} → True
- » {286, 10, 42, {{2, 4, 7, 10, 1, 9, 8, 3, 5, 6}, {2, 4, 5, 8, 1, 9, 10, 3, 7, 6}, Flype}} → True
- » {287, 10, 43, {{2, 4, 7, 10, 1, 9, 8, 3, 6, 5}, {2, 4, 5, 8, 1, 10, 9, 3, 7, 6}, Flype}} → True
- » {288, 10, 44, {{2, 4, 8, 1, 6, 10, 9, 3, 7, 5}, {2, 4, 7, 1, 9, 8, 3, 6, 10, 5}, Flype}} → True
- » {289, 10, 45, {{2, 4, 8, 1, 7, 9, 5, 10, 3, 6}, {2, 4, 6, 1, 7, 9, 3, 10, 5, 8}, Flype}} → True
- » {290, 10, 46, {{2, 4, 8, 1, 7, 9, 10, 3, 5, 6}, {2, 4, 7, 1, 8, 9, 3, 10, 5, 6}, Flype}} → True
- » {291, 10, 47, {{2, 4, 8, 1, 7, 9, 10, 3, 6, 5}, {2, 4, 7, 1, 8, 9, 3, 10, 6, 5}, Flype}} → True
- » {292, 10, 48, {{2, 4, 8, 1, 7, 10, 5, 9, 3, 6}, {2, 4, 6, 1, 9, 7, 3, 10, 5, 8}, Flype}} → True
- » {293, 10, 49, {{2, 4, 8, 1, 7, 10, 9, 3, 5, 6}, {2, 4, 7, 1, 8, 9, 3, 10, 6, 5}, Flype}} → True
- » {294, 10, 50, {{2, 4, 8, 5, 1, 7, 9, 3, 10, 6}, {2, 4, 7, 5, 1, 9, 3, 10, 6, 8}, Flype}} → True

» {295, 10, 53, {{2, 4, 8, 7, 1, 9, 5, 10, 6, 3}, {2, 4, 7, 6, 1, 8, 10, 9, 5, 3}, Flype}} → True  
» {296, 10, 54, {{2, 4, 8, 10, 1, 7, 9, 5, 3, 6}, {2, 4, 5, 7, 1, 9, 3, 10, 6, 8}, Flype}} → True  
» {297, 10, 55, {{2, 4, 8, 10, 1, 9, 5, 3, 7, 6}, {2, 4, 5, 7, 1, 9, 8, 3, 10, 6}, Flype}} → True  
» {298, 10, 56, {{2, 4, 9, 1, 7, 8, 10, 5, 3, 6}, {2, 4, 6, 1, 8, 3, 9, 10, 5, 7}, Flype}} → True  
» {299, 10, 57, {{2, 4, 9, 1, 8, 7, 10, 5, 3, 6}, {2, 4, 6, 1, 8, 3, 10, 9, 5, 7}, Flype}} → True  
» {300, 10, 59, {{2, 4, 10, 6, 1, 8, 3, 9, 5, 7}, {2, 4, 7, 5, 1, 9, 3, 10, 6, 8}, Flype}} → True  
» {301, 10, 60, {{2, 4, 10, 7, 1, 9, 3, 6, 5, 8}, {2, 4, 6, 1, 9, 7, 3, 10, 5, 8}, Flype}} → True  
» {302, 10, 61, {{2, 4, 10, 7, 1, 9, 8, 3, 5, 6}, {2, 4, 8, 5, 1, 9, 10, 3, 7, 6}, Flype}} → True  
» {303, 10, 62, {{2, 4, 10, 7, 1, 9, 8, 3, 6, 5}, {2, 4, 8, 5, 1, 10, 9, 3, 7, 6}, Flype}} → True  
» {304, 10, 63, {{2, 4, 10, 8, 1, 7, 9, 5, 3, 6}, {2, 4, 7, 5, 1, 9, 3, 10, 6, 8}, Flype}} → True  
» {305, 10, 64, {{2, 5, 4, 7, 1, 9, 8, 3, 10, 6}, {2, 4, 7, 1, 9, 8, 3, 6, 10, 5}, Flype}} → True  
» {306, 10, 65, {{2, 5, 4, 8, 1, 9, 10, 3, 7, 6}, {2, 4, 7, 1, 9, 10, 8, 3, 6, 5}, Flype}} → True  
» {307, 10, 66, {{2, 5, 4, 8, 1, 10, 9, 3, 7, 6}, {2, 4, 7, 1, 10, 9, 8, 3, 6, 5}, Flype}} → True  
» {308, 10, 67, {{2, 5, 4, 8, 6, 1, 9, 10, 3, 7}, {2, 4, 8, 5, 1, 9, 10, 3, 7, 6}, Flype}} → True  
» {309, 10, 68, {{2, 5, 4, 8, 6, 1, 10, 9, 3, 7}, {2, 4, 8, 5, 1, 10, 9, 3, 7, 6}, Flype}} → True  
» {310, 10, 76, {{2, 5, 6, 8, 1, 10, 9, 3, 7, 4}, {2, 5, 6, 8, 1, 10, 3, 9, 4, 7}, Flype}} → True  
» {311, 10, 77, {{2, 5, 6, 8, 3, 1, 10, 9, 4, 7}, {2, 4, 5, 8, 1, 10, 9, 3, 7, 6}, Flype}} → True  
» {312, 10, 81, {{2, 5, 6, 8, 9, 1, 10, 4, 7, 3}, {2, 5, 6, 7, 8, 1, 10, 9, 4, 3}, Flype}} → True  
» {313, 10, 82, {{2, 5, 6, 8, 10, 1, 3, 9, 4, 7}, {2, 5, 6, 7, 9, 1, 3, 10, 4, 8}, Flype}} → True  
» {314, 10, 84, {{2, 5, 6, 8, 10, 1, 9, 4, 7, 3}, {2, 5, 6, 8, 10, 1, 4, 9, 3, 7}, Flype}} → True  
» {315, 10, 85, {{2, 5, 6, 9, 7, 1, 3, 10, 4, 8}, {2, 5, 6, 8, 10, 1, 4, 9, 3, 7}, Flype}} → True  
» {316, 10, 86, {{2, 5, 6, 9, 7, 1, 10, 3, 4, 8}, {2, 5, 6, 7, 8, 1, 10, 9, 4, 3}, Flype}} → True  
» {317, 10, 87, {{2, 5, 6, 9, 7, 1, 10, 4, 3, 8}, {2, 5, 6, 8, 7, 1, 10, 9, 4, 3}, Flype}} → True  
» {318, 10, 88, {{2, 5, 6, 9, 8, 1, 10, 3, 4, 7}, {2, 5, 6, 8, 9, 1, 10, 4, 3, 7}, Flype}} → True  
» {319, 10, 89, {{2, 5, 6, 9, 8, 1, 10, 4, 7, 3}, {2, 5, 6, 8, 7, 1, 10, 9, 4, 3}, Flype}} → True  
» {320, 10, 99, {{2, 5, 7, 8, 9, 1, 3, 6, 10, 4}, {2, 5, 6, 7, 9, 1, 8, 3, 10, 4}, Flype}} → True  
» {321, 10, 100, {{2, 5, 7, 8, 10, 1, 9, 3, 4, 6}, {2, 5, 6, 8, 9, 1, 10, 3, 4, 7}, Flype}} → True  
» {322, 10, 101, {{2, 5, 7, 8, 10, 1, 9, 4, 3, 6}, {2, 5, 6, 8, 9, 1, 10, 4, 3, 7}, Flype}} → True  
» {323, 10, 105, {{2, 5, 7, 9, 1, 10, 3, 6, 4, 8}, {2, 5, 7, 6, 9, 1, 8, 3, 10, 4}, Flype}} → True  
» {324, 10, 106, {{2, 5, 7, 9, 1, 10, 8, 3, 6, 4}, {2, 5, 6, 8, 1, 10, 3, 9, 4, 7}, Flype}} → True  
» {325, 10, 107, {{2, 5, 7, 9, 8, 1, 3, 6, 10, 4}, {2, 5, 7, 6, 9, 1, 8, 3, 10, 4}, Flype}} → True  
» {326, 10, 108, {{2, 5, 7, 9, 10, 1, 8, 3, 6, 4}, {2, 5, 6, 7, 9, 1, 3, 10, 4, 8}, Flype}} → True  
» {327, 10, 109, {{2, 5, 7, 10, 9, 1, 8, 3, 6, 4}, {2, 5, 7, 6, 9, 1, 3, 10, 4, 8}, Flype}} → True  
» {328, 10, 112, {{2, 5, 8, 6, 1, 9, 3, 10, 4, 7}, {2, 5, 7, 9, 1, 8, 10, 4, 6, 3}, Flype}} → True  
» {329, 10, 113, {{2, 5, 8, 6, 1, 10, 9, 3, 7, 4}, {2, 5, 6, 8, 1, 10, 4, 9, 3, 7}, Flype}} → True  
» {330, 10, 114, {{2, 5, 8, 6, 10, 1, 9, 3, 7, 4}, {2, 5, 6, 8, 10, 1, 4, 9, 3, 7}, Flype}} → True



» {331, 10, 117, {{2, 5, 8, 7, 1, 9, 10, 3, 4, 6}, {2, 5, 7, 8, 1, 9, 10, 4, 3, 6}, Flype}} → True  
» {332, 10, 119, {{2, 5, 8, 7, 1, 10, 9, 3, 4, 6}, {2, 5, 7, 8, 1, 10, 9, 4, 3, 6}, Flype}} → True  
» {333, 10, 120, {{2, 5, 8, 7, 10, 1, 9, 3, 4, 6}, {2, 5, 6, 8, 9, 1, 10, 4, 3, 7}, Flype}} → True  
» {334, 10, 121, {{2, 5, 8, 9, 1, 7, 10, 4, 3, 6}, {2, 5, 7, 8, 1, 9, 4, 3, 10, 6}, Flype}} → True  
» {335, 10, 123, {{2, 5, 8, 9, 10, 1, 4, 3, 7, 6}, {2, 5, 6, 7, 8, 1, 10, 9, 4, 3}, Flype}} → True  
» {336, 10, 124, {{2, 5, 9, 6, 1, 8, 3, 10, 4, 7}, {2, 5, 7, 9, 1, 8, 4, 10, 6, 3}, Flype}} → True  
» {337, 10, 125, {{2, 5, 9, 7, 1, 10, 8, 3, 6, 4}, {2, 5, 6, 8, 1, 10, 4, 9, 3, 7}, Flype}} → True  
» {338, 10, 126, {{2, 5, 9, 7, 1, 10, 8, 4, 3, 6}, {2, 5, 8, 7, 1, 10, 4, 9, 3, 6}, Flype}} → True  
» {339, 10, 127, {{2, 5, 9, 8, 1, 7, 10, 4, 3, 6}, {2, 5, 8, 7, 1, 9, 4, 3, 10, 6}, Flype}} → True  
» {340, 10, 128, {{2, 5, 9, 8, 1, 10, 4, 3, 7, 6}, {2, 5, 8, 7, 1, 10, 4, 9, 3, 6}, Flype}} → True  
» {341, 10, 130, {{2, 5, 9, 8, 10, 1, 4, 3, 7, 6}, {2, 5, 6, 8, 7, 1, 10, 9, 4, 3}, Flype}} → True  
» {342, 10, 131, {{2, 5, 10, 6, 1, 8, 9, 3, 4, 7}, {2, 5, 7, 8, 1, 4, 9, 10, 6, 3}, Flype}} → True  
» {343, 10, 132, {{2, 5, 10, 6, 1, 8, 9, 4, 3, 7}, {2, 5, 8, 7, 1, 4, 9, 10, 6, 3}, Flype}} → True  
» {344, 10, 133, {{2, 5, 10, 7, 1, 8, 9, 3, 6, 4}, {2, 5, 6, 8, 1, 4, 9, 10, 3, 7}, Flype}} → True  
» {345, 10, 134, {{2, 5, 10, 7, 1, 8, 9, 4, 6, 3}, {2, 5, 8, 6, 1, 4, 9, 10, 3, 7}, Flype}} → True  
» {346, 10, 135, {{2, 5, 10, 7, 1, 9, 8, 3, 6, 4}, {2, 5, 6, 8, 1, 4, 10, 9, 3, 7}, Flype}} → True  
» {347, 10, 136, {{2, 5, 10, 7, 1, 9, 8, 4, 6, 3}, {2, 5, 8, 6, 1, 4, 10, 9, 3, 7}, Flype}} → True  
» {348, 10, 137, {{2, 5, 10, 7, 8, 1, 9, 4, 3, 6}, {2, 5, 8, 9, 6, 1, 10, 4, 3, 7}, Flype}} → True  
» {349, 10, 138, {{2, 5, 10, 8, 7, 1, 9, 3, 4, 6}, {2, 5, 8, 9, 6, 1, 10, 4, 3, 7}, Flype}} → True  
» {350, 10, 139, {{2, 5, 10, 8, 7, 1, 9, 4, 3, 6}, {2, 5, 9, 8, 6, 1, 10, 4, 3, 7}, Flype}} → True  
» {351, 10, 140, {{2, 6, 4, 8, 9, 10, 1, 3, 7, 5}, {2, 5, 6, 7, 9, 1, 3, 10, 4, 8}, Flype}} → True  
» {352, 10, 141, {{2, 6, 4, 8, 10, 1, 5, 9, 3, 7}, {2, 5, 6, 8, 1, 4, 10, 9, 3, 7}, Flype}} → True  
» {353, 10, 142, {{2, 6, 4, 8, 10, 9, 1, 3, 7, 5}, {2, 5, 7, 6, 9, 1, 3, 10, 4, 8}, Flype}} → True  
» {354, 10, 143, {{2, 6, 4, 9, 7, 1, 5, 10, 3, 8}, {2, 5, 8, 6, 1, 4, 10, 9, 3, 7}, Flype}} → True  
» {355, 10, 144, {{2, 6, 4, 9, 8, 1, 10, 5, 3, 7}, {2, 5, 8, 7, 1, 10, 4, 9, 3, 6}, Flype}} → True  
» {356, 10, 145, {{2, 6, 5, 7, 9, 1, 3, 10, 4, 8}, {2, 5, 6, 8, 1, 10, 3, 9, 4, 7}, Flype}} → True  
» {357, 10, 146, {{2, 6, 5, 8, 7, 1, 10, 9, 3, 4}, {2, 5, 6, 8, 7, 1, 10, 9, 4, 3}, Flype}} → True  
» {358, 10, 147, {{2, 6, 5, 8, 9, 1, 10, 3, 4, 7}, {2, 5, 7, 8, 1, 10, 9, 3, 4, 6}, Flype}} → True  
» {359, 10, 148, {{2, 6, 5, 8, 9, 7, 1, 10, 4, 3}, {2, 5, 8, 9, 6, 1, 10, 4, 3, 7}, Flype}} → True  
» {360, 10, 149, {{2, 6, 5, 8, 9, 10, 1, 3, 4, 7}, {2, 5, 6, 8, 9, 1, 10, 3, 4, 7}, Flype}} → True  
» {361, 10, 150, {{2, 6, 5, 9, 7, 1, 3, 10, 4, 8}, {2, 5, 6, 8, 1, 10, 4, 9, 3, 7}, Flype}} → True  
» {362, 10, 151, {{2, 6, 5, 9, 7, 1, 10, 3, 4, 8}, {2, 5, 6, 8, 7, 1, 10, 9, 4, 3}, Flype}} → True  
» {363, 10, 152, {{2, 6, 5, 9, 7, 1, 10, 4, 3, 8}, {2, 5, 8, 7, 1, 10, 4, 9, 3, 6}, Flype}} → True  
» {364, 10, 153, {{2, 6, 5, 9, 8, 1, 10, 3, 4, 7}, {2, 5, 7, 8, 1, 10, 9, 4, 3, 6}, Flype}} → True  
» {365, 10, 154, {{2, 6, 5, 9, 8, 7, 1, 10, 4, 3}, {2, 5, 9, 8, 6, 1, 10, 4, 3, 7}, Flype}} → True  
» {366, 10, 155, {{2, 6, 5, 9, 8, 10, 1, 3, 4, 7}, {2, 5, 6, 8, 9, 1, 10, 4, 3, 7}, Flype}} → True

» {367, 10, 156, {{2, 6, 5, 9, 10, 7, 1, 3, 4, 8}, {2, 5, 6, 8, 10, 1, 4, 9, 3, 7}, Flype}} → True  
 » {368, 10, 157, {{2, 6, 5, 9, 10, 7, 1, 4, 3, 8}, {2, 5, 6, 8, 1, 10, 4, 9, 3, 7}, Flype}} → True  
 » {369, 10, 158, {{2, 6, 7, 5, 9, 1, 10, 3, 4, 8}, {2, 5, 6, 8, 1, 10, 3, 9, 4, 7}, Flype}} → True  
 » {370, 10, 166, {{2, 6, 7, 8, 10, 4, 1, 9, 3, 5}, {2, 5, 6, 7, 9, 1, 8, 3, 10, 4}, Flype}} → True  
 » {371, 10, 167, {{2, 6, 7, 8, 10, 9, 1, 3, 4, 5}, {2, 6, 7, 8, 9, 10, 1, 3, 5, 4}, Flype}} → True  
 » {372, 10, 169, {{2, 6, 7, 9, 8, 1, 5, 10, 3, 4}, {2, 6, 7, 8, 9, 1, 5, 10, 4, 3}, Flype}} → True  
 » {373, 10, 171, {{2, 6, 7, 9, 8, 1, 10, 3, 4, 5}, {2, 6, 7, 8, 9, 1, 10, 3, 5, 4}, Flype}} → True  
 » {374, 10, 172, {{2, 6, 7, 9, 8, 1, 10, 5, 3, 4}, {2, 6, 7, 8, 9, 1, 10, 5, 4, 3}, Flype}} → True  
 » {375, 10, 174, {{2, 6, 7, 9, 8, 10, 1, 3, 4, 5}, {2, 6, 7, 8, 9, 10, 1, 3, 5, 4}, Flype}} → True  
 » {376, 10, 175, {{2, 6, 7, 9, 8, 10, 1, 5, 3, 4}, {2, 6, 7, 8, 9, 10, 1, 5, 4, 3}, Flype}} → True  
 » {377, 10, 177, {{2, 6, 7, 10, 9, 8, 1, 3, 4, 5}, {2, 6, 7, 8, 9, 10, 1, 5, 4, 3}, Flype}} → True  
 » {378, 10, 178, {{2, 6, 7, 10, 9, 8, 1, 3, 5, 4}, {2, 6, 7, 9, 8, 10, 1, 5, 4, 3}, Flype}} → True  
 » {379, 10, 179, {{2, 6, 8, 5, 9, 1, 10, 3, 7, 4}, {2, 5, 7, 6, 9, 1, 8, 3, 10, 4}, Flype}} → True  
 » {380, 10, 181, {{2, 6, 8, 7, 9, 1, 10, 3, 4, 5}, {2, 6, 7, 8, 9, 1, 10, 3, 5, 4}, Flype}} → True  
 » {381, 10, 183, {{2, 6, 8, 7, 10, 9, 1, 3, 4, 5}, {2, 6, 7, 8, 10, 9, 1, 4, 3, 5}, Flype}} → True  
 » {382, 10, 188, {{2, 6, 8, 10, 7, 1, 9, 3, 5, 4}, {2, 6, 8, 7, 9, 1, 4, 10, 5, 3}, Flype}} → True  
 » {383, 10, 190, {{2, 6, 8, 10, 9, 7, 1, 5, 3, 4}, {2, 6, 8, 9, 10, 7, 1, 5, 4, 3}, Flype}} → True  
 » {384, 10, 191, {{2, 6, 9, 8, 7, 1, 5, 10, 3, 4}, {2, 6, 8, 9, 7, 1, 5, 10, 4, 3}, Flype}} → True  
 » {385, 10, 192, {{2, 6, 9, 8, 7, 1, 10, 3, 4, 5}, {2, 6, 7, 8, 9, 1, 10, 5, 4, 3}, Flype}} → True  
 » {386, 10, 193, {{2, 6, 9, 8, 7, 1, 10, 4, 3, 5}, {2, 6, 7, 9, 8, 1, 10, 5, 4, 3}, Flype}} → True  
 » {387, 10, 195, {{2, 6, 9, 10, 8, 7, 1, 4, 5, 3}, {2, 6, 9, 10, 7, 8, 1, 5, 4, 3}, Flype}} → True  
 » {388, 10, 197, {{2, 6, 10, 7, 8, 1, 9, 4, 5, 3}, {2, 6, 8, 9, 7, 1, 5, 10, 3, 4}, Flype}} → True  
 » {389, 10, 198, {{2, 6, 10, 7, 8, 9, 1, 4, 5, 3}, {2, 6, 8, 9, 10, 7, 1, 5, 3, 4}, Flype}} → True  
 » {390, 10, 199, {{2, 6, 10, 7, 8, 9, 1, 5, 4, 3}, {2, 6, 8, 9, 10, 7, 1, 5, 4, 3}, Flype}} → True  
 » {391, 10, 200, {{2, 6, 10, 8, 7, 1, 9, 3, 4, 5}, {2, 6, 7, 8, 9, 1, 5, 10, 4, 3}, Flype}} → True  
 » {392, 10, 201, {{2, 6, 10, 8, 7, 1, 9, 4, 3, 5}, {2, 6, 7, 9, 8, 1, 5, 10, 4, 3}, Flype}} → True  
 » {393, 10, 202, {{2, 6, 10, 8, 7, 1, 9, 4, 5, 3}, {2, 6, 8, 9, 7, 1, 5, 10, 4, 3}, Flype}} → True  
 » {394, 10, 203, {{2, 6, 10, 8, 9, 7, 1, 5, 4, 3}, {2, 6, 9, 10, 8, 7, 1, 5, 4, 3}, Flype}} → True  
 » {395, 10, 204, {{2, 6, 10, 9, 7, 8, 1, 5, 4, 3}, {2, 6, 9, 10, 8, 7, 1, 5, 4, 3}, Flype}} → True  
 » {396, 10, 213, {{3, 4, 7, 1, 8, 10, 9, 2, 5, 6}, {3, 4, 7, 1, 8, 9, 10, 2, 6, 5}, Flype}} → True  
 » {397, 10, 214, {{3, 4, 7, 1, 9, 8, 2, 10, 5, 6}, {3, 4, 7, 1, 8, 9, 2, 10, 6, 5}, Flype}} → True  
 » {398, 10, 215, {{3, 4, 7, 1, 10, 8, 9, 2, 6, 5}, {2, 6, 9, 10, 7, 8, 1, 5, 4, 3}, Flype}} → True  
 » {399, 10, 218, {{3, 4, 7, 8, 2, 10, 9, 1, 5, 6}, {3, 4, 7, 8, 2, 9, 10, 1, 6, 5}, Flype}} → True  
 » {400, 10, 222, {{3, 4, 8, 7, 2, 10, 9, 1, 5, 6}, {3, 4, 8, 7, 2, 9, 10, 1, 6, 5}, Flype}} → True  
 » {401, 10, 247, {{3, 6, 7, 8, 10, 9, 2, 1, 4, 5}, {3, 6, 7, 8, 9, 10, 2, 1, 5, 4}, Flype}} → True  
 » {402, 10, 248, {{3, 6, 7, 9, 8, 1, 2, 10, 4, 5}, {3, 6, 7, 8, 9, 1, 2, 10, 5, 4}, Flype}} → True

- » {403, 10, 249, {{3, 6, 7, 9, 8, 2, 1, 10, 4, 5}, {3, 6, 7, 8, 9, 2, 1, 10, 5, 4}, Flype}} → True
- » {404, 10, 250, {{3, 6, 7, 9, 8, 10, 2, 1, 4, 5}, {3, 6, 7, 8, 9, 10, 2, 1, 5, 4}, Flype}} → True
- » {405, 10, 252, {{3, 6, 7, 10, 8, 9, 2, 1, 5, 4}, {3, 6, 7, 9, 10, 8, 2, 1, 5, 4}, Flype}} → True
- » {406, 10, 256, {{3, 7, 6, 8, 10, 9, 2, 1, 4, 5}, {3, 7, 6, 8, 9, 10, 2, 1, 5, 4}, Flype}} → True
- » {407, 10, 257, {{3, 7, 6, 9, 8, 1, 2, 10, 4, 5}, {3, 6, 7, 8, 9, 2, 1, 10, 5, 4}, Flype}} → True
- » {408, 10, 259, {{3, 7, 6, 10, 8, 9, 2, 1, 5, 4}, {3, 7, 6, 9, 10, 8, 2, 1, 5, 4}, Flype}} → True
- » {409, 10, 270, {{2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, {2, 4, 5, -7, 1, -8, -9, -3, -10, -6}, 2-Pass}} → True
- » {410, 10, 272, {{2, 4, 5, 7, 1, -9, 3, -10, -6, -8}, {2, 4, 5, -7, 1, 8, 9, -3, 10, 6}, 2-Pass}} → True
- » {411, 10, 274,
  - {{2, 4, 5, -7, 1, -9, -10, -3, -6, -8}, {2, 4, 5, -7, 1, -8, -9, -3, -10, -6}, Flype}} → True
- » {412, 10, 275, {{2, 4, 5, -7, 1, 9, 10, -3, 6, 8}, {2, 4, 5, -7, 1, 8, 9, -3, 10, 6}, Flype}} → True
- » {413, 10, 276,
  - {{2, 4, 5, 7, 1, -9, -10, 3, -6, -8}, {2, 4, 5, -7, 1, -8, -9, -3, -10, -6}, Flype}} → True
- » {414, 10, 277,
  - {{2, 4, 5, -8, 1, -7, -9, -3, -10, -6}, {2, 4, 5, -7, 1, -9, -3, -10, -6, -8}, Flype}} → True
- » {415, 10, 278, {{2, 4, 5, -8, 1, 7, 9, -3, 10, 6}, {2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, Flype}} → True
- » {416, 10, 279, {{2, 4, 5, 8, 1, -7, -9, 3, -10, -6}, {2, 4, 5, 7, 1, -9, 3, -10, -6, -8}, Flype}} → True
- » {417, 10, 280,
  - {{2, 4, 5, -8, 1, -9, -10, -6, -3, -7}, {2, 4, 5, -7, 1, -8, -9, -3, -10, -6}, Flype}} → True
- » {418, 10, 281, {{2, 4, 5, -8, 1, 9, 10, 6, -3, 7}, {2, 4, 5, -7, 1, 8, 9, -3, 10, 6}, Flype}} → True
- » {419, 10, 282,
  - {{2, 4, 5, 8, 1, -9, -10, -6, 3, -7}, {2, 4, 5, -7, 1, -8, -9, -3, -10, -6}, Flype}} → True
- » {420, 10, 292,
  - {{2, 4, 6, 1, -8, 3, 9, 10, -5, 7}, {2, 4, -6, 1, -8, -3, -9, -5, -10, -7}, 2-Pass}} → True
- » {421, 10, 294, {{2, 4, 6, 1, 8, 3, -9, -10, 5, -7}, {2, 4, -6, 1, 8, -3, 9, 5, 10, 7}, 2-Pass}} → True
- » {422, 10, 297, {{2, 4, -6, 1, 8, -3, 10, 9, 5, 7}, {2, 4, 6, 1, -7, -9, 3, -10, -5, -8}, 2-Pass}} → True
- » {423, 10, 299, {{2, 4, 6, 1, -8, 3, -10, -9, -5, -7}, {2, 4, -6, 1, 7, 9, -3, 10, 5, 8}, 2-Pass}} → True
- » {424, 10, 301,
  - {{2, 4, -6, 1, -8, -10, -3, -9, -5, -7}, {2, 4, -6, 1, -7, -9, -3, -10, -5, -8}, Flype}} → True
- » {425, 10, 302, {{2, 4, -6, 1, 8, 10, -3, 9, 5, 7}, {2, 4, -6, 1, 7, 9, -3, 10, 5, 8}, Flype}} → True
- » {426, 10, 303,
  - {{2, 4, 6, 1, -8, -10, 3, -9, -5, -7}, {2, 4, 6, 1, -7, -9, 3, -10, -5, -8}, Flype}} → True
- » {427, 10, 304,
  - {{2, 4, -6, 1, -9, -3, -8, -10, -5, -7}, {2, 4, -6, 1, -8, -3, -9, -5, -10, -7}, Flype}} → True
- » {428, 10, 305, {{2, 4, -6, 1, 9, -3, 8, 10, 5, 7}, {2, 4, -6, 1, 8, -3, 9, 5, 10, 7}, Flype}} → True
- » {429, 10, 306,
  - {{2, 4, 6, 1, -9, 3, -8, -10, -5, -7}, {2, 4, 6, 1, -8, 3, -9, -5, -10, -7}, Flype}} → True
- » {430, 10, 307, {{2, 4, 6, 1, -9, 3, 8, 10, -5, 7}, {2, 4, -6, 1, 8, -3, 9, 5, 10, 7}, Flype}} → True
- » {431, 10, 308, {{2, 4, 6, 1, -9, 3, 8, 10, -5, 7}, {2, 4, 6, 1, 8, 3, -9, -10, 5, -7}, 2-Pass}} → True

- » {432, 10, 309, {{2, 4, 6, 1, 9, 3, -8, -10, 5, -7}, {2, 4, -6, 1, -8, -3, -9, -5, -10, -7}, Flype}} → True
- » {433, 10, 310, {{2, 4, 6, 1, 9, 3, -8, -10, 5, -7}, {2, 4, 6, 1, -8, 3, 9, 10, -5, 7}, 2-Pass}} → True
- » {434, 10, 313, {{2, 4, -6, 7, 1, 8, -10, 9, 5, -3}, {2, 4, 5, -7, 1, -9, -10, -3, -6, -8}, 2-Pass}} → True
- » {435, 10, 315, {{2, 4, 6, -7, 1, -8, 10, -9, -5, -3}, {2, 4, 5, -7, 1, 9, 10, -3, 6, 8}, 2-Pass}} → True
- » {436, 10, 318, {{2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, {2, 4, -6, 7, 1, -8, 10, -9, -5, -3}, Reidemeister 3}} → True
- » {437, 10, 320, {{2, 4, -6, 9, 1, 8, -10, -3, 5, -7}, {2, 4, -6, 7, 1, 8, -10, 9, 5, -3}, Reidemeister 3}} → True
- » {438, 10, 322, {{2, 4, 6, -9, 1, -8, 10, -3, -5, 7}, {2, 4, 5, -9, 1, 8, 10, 6, -3, 7}, 2-Pass}} → True
- » {439, 10, 323, {{2, 4, 6, -9, 1, -8, 10, -3, -5, 7}, {2, 4, -6, -7, 1, -8, -10, -9, -5, -3}, Reidemeister 3}} → True
- » {440, 10, 324, {{2, 4, 6, -9, 1, -8, 10, -3, -5, 7}, {2, 4, -6, 9, 1, 8, -10, -3, 5, -7}, Flype}} → True
- » {441, 10, 326, {{2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, {2, 4, 5, -9, 1, -8, -10, -6, -3, -7}, 2-Pass}} → True
- » {442, 10, 327, {{2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, Flype}} → True
- » {443, 10, 330, {{2, 4, 6, 9, 1, 8, -10, 3, 5, -7}, {2, 4, -6, 7, 1, 8, -10, 9, 5, -3}, Reidemeister 3}} → True
- » {444, 10, 331, {{2, 4, 6, 9, 1, 8, -10, 3, 5, -7}, {2, 4, 6, 9, 1, -8, 10, 3, -5, 7}, Flype}} → True
- » {445, 10, 333, {{2, 4, -6, 10, 1, -8, -3, -9, -5, -7}, {2, 4, 5, -7, 1, -9, -3, -10, -6, -8}, Flype}} → True
- » {446, 10, 334, {{2, 4, -6, 10, 1, -8, -3, -9, -5, -7}, {2, 4, -6, 7, 1, -8, 10, -9, -5, -3}, Reidemeister 3}} → True
- » {447, 10, 335, {{2, 4, -6, 10, 1, -8, -3, -9, -5, -7}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {448, 10, 336, {{2, 4, -6, 10, 1, 8, -3, 9, 5, 7}, {2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, Flype}} → True
- » {449, 10, 337, {{2, 4, -6, 10, 1, 8, -3, 9, 5, 7}, {2, 4, -6, 7, 1, 8, -10, 9, 5, -3}, Reidemeister 3}} → True
- » {450, 10, 338, {{2, 4, -6, 10, 1, 8, -3, 9, 5, 7}, {2, 4, -6, 9, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {451, 10, 339, {{2, 4, 6, 10, 1, -8, 3, -9, -5, -7}, {2, 4, 5, 7, 1, -9, 3, -10, -6, -8}, Flype}} → True
- » {452, 10, 340, {{2, 4, 6, 10, 1, -8, 3, -9, -5, -7}, {2, 4, 6, -7, 1, -8, 10, -9, -5, -3}, Reidemeister 3}} → True
- » {453, 10, 341, {{2, 4, -7, 1, -6, -9, -3, -10, -5, -8}, {2, 4, -6, 1, -8, -3, -10, -9, -5, -7}, Flype}} → True
- » {454, 10, 342, {{2, 4, -7, 1, 6, 9, -3, 10, 5, 8}, {2, 4, -6, 1, 8, -3, 10, 9, 5, 7}, Flype}} → True
- » {455, 10, 343, {{2, 4, 7, 1, -6, -9, 3, -10, -5, -8}, {2, 4, 6, 1, -8, 3, -10, -9, -5, -7}, Flype}} → True
- » {456, 10, 350, {{2, 4, -7, 1, -8, -9, -5, -3, -10, -6}, {2, 4, -6, 1, -7, -9, -3, -10, -5, -8}, Flype}} → True
- » {457, 10, 351, {{2, 4, -7, 1, 8, 9, 5, -3, 10, 6}, {2, 4, -6, 1, 7, 9, -3, 10, 5, 8}, Flype}} → True

- » {458, 10, 352, {{2, 4, 7, 1, -8, -9, -5, 3, -10, -6}, {2, 4, 6, 1, -7, -9, 3, -10, -5, -8}, Flype}} → True
- » {459, 10, 354, {{2, 4, -7, 1, 8, 9, 10, -3, 5, 6}, {2, 4, 7, 1, -8, -9, 3, -10, -5, -6}, 2-Pass}} → True
- » {460, 10, 356, {{2, 4, 7, 1, -8, -9, -10, 3, -5, -6}, {2, 4, -7, 1, 8, 9, -3, 10, 5, 6}, 2-Pass}} → True
- » {461, 10, 361, {{2, 4, -7, 1, -8, -10, -9, -3, -5, -6}, {2, 4, -7, 1, -8, -9, -10, -3, -6, -5}, Flype}} → True
- » {462, 10, 362, {{2, 4, -7, 1, 8, 10, 9, -3, 5, 6}, {2, 4, 7, 1, -8, -9, 3, -10, -6, -5}, 2-Pass}} → True
- » {463, 10, 363, {{2, 4, -7, 1, 8, 10, 9, -3, 5, 6}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, Flype}} → True
- » {464, 10, 364, {{2, 4, 7, 1, -8, -10, -9, 3, -5, -6}, {2, 4, -7, 1, 8, 9, -3, 10, 6, 5}, 2-Pass}} → True
- » {465, 10, 365, {{2, 4, 7, 1, -8, -10, -9, 3, -5, -6}, {2, 4, 7, 1, -8, -9, -10, 3, -6, -5}, Flype}} → True
- » {466, 10, 366, {{2, 4, -7, 1, -9, -8, -3, -10, -5, -6}, {2, 4, -7, 1, -8, -9, -3, -10, -6, -5}, Flype}} → True
- » {467, 10, 367, {{2, 4, -7, 1, 9, 8, -3, 10, 5, 6}, {2, 4, -7, 1, 8, 9, -3, 10, 6, 5}, Flype}} → True
- » {468, 10, 368, {{2, 4, -7, 1, 9, 8, -3, 10, 5, 6}, {2, 4, 7, 1, -8, -9, -10, 3, -6, -5}, 2-Pass}} → True
- » {469, 10, 369, {{2, 4, 7, 1, -9, -8, 3, -10, -5, -6}, {2, 4, 7, 1, -8, -9, 3, -10, -6, -5}, Flype}} → True
- » {470, 10, 370, {{2, 4, 7, 1, -9, -8, 3, -10, -5, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, 2-Pass}} → True
- » {471, 10, 371, {{2, 4, -7, 1, -9, -8, -10, -3, -5, -6}, {2, 4, -7, 1, -8, -9, -10, -3, -6, -5}, Flype}} → True
- » {472, 10, 372, {{2, 4, -7, 1, 9, 8, 10, -3, 5, 6}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, Flype}} → True
- » {473, 10, 373, {{2, 4, 7, 1, -9, -8, -10, 3, -5, -6}, {2, 4, 7, 1, -8, -9, -10, 3, -6, -5}, Flype}} → True
- » {474, 10, 374, {{2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, {2, 4, 5, 8, 1, -9, -10, -6, 3, -7}, 2-Pass}} → True
- » {475, 10, 375, {{2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, {2, 4, -6, 7, 1, 8, -10, 9, 5, -3}, 2-Pass}} → True
- » {476, 10, 376, {{2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, {2, 4, -6, 9, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {477, 10, 377, {{2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, {2, 4, -6, 10, 1, 8, -3, 9, 5, 7}, 2-Pass}} → True
- » {478, 10, 379, {{2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, {2, 4, 5, -8, 1, -7, -9, -3, -10, -6}, 2-Pass}} → True
- » {479, 10, 380, {{2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, {2, 4, -6, 7, 1, -8, 10, -9, -5, -3}, 2-Pass}} → True
- » {480, 10, 381, {{2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {481, 10, 382, {{2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, {2, 4, -6, 10, 1, -8, -3, -9, -5, -7}, 2-Pass}} → True
- » {482, 10, 384, {{2, 4, 7, 5, 1, -9, 3, -10, -6, -8}, {2, 4, 5, -8, 1, 7, 9, -3, 10, 6}, 2-Pass}} → True
- » {483, 10, 385, {{2, 4, 7, 5, 1, -9, 3, -10, -6, -8}, {2, 4, 5, -8, 1, -9, -10, -6, -3, -7}, 2-Pass}} → True
- » {484, 10, 388, {{2, 4, -7, 6, 1, -8, 10, -9, -5, -3}, {2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, 2-Pass}} → True
- » {485, 10, 389, {{2, 4, -7, 6, 1, -8, 10, -9, -5, -3}, {2, 4, -7, 5, 1, 9, 10, -3, 6, 8}, 2-Pass}} → True

- » {486, 10, 391, {{2, 4, -7, 6, 1, 8, -10, 9, 5, -3}, {2, 4, -7, 5, 1, -9, -10, -3, -6, -8}, 2-Pass}} → True
- » {487, 10, 393, {{2, 4, 7, -6, 1, 8, -10, 9, 5, -3}, {2, 4, 5, -7, 1, -9, -3, -10, -6, -8}, 2-Pass}} → True
- » {488, 10, 395, {{2, 4, -7, 8, 1, -3, 9, -5, 10, 6}, {2, 4, 7, 5, 1, -9, 3, -10, -6, -8}, 2-Pass}} → True
- » {489, 10, 396, {{2, 4, 7, -8, 1, -3, -9, 5, -10, -6}, {2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, 2-Pass}} → True
- » {490, 10, 397, {{2, 4, -7, -8, 1, -9, -5, -10, -6, -3}, {2, 4, -6, -7, 1, -8, -10, -9, -5, -3}, Flype}} → True
- » {491, 10, 398, {{2, 4, -7, -8, 1, -9, -5, -10, -6, -3}, {2, 4, -6, 9, 1, 8, -10, -3, 5, -7}, Reidemeister 3}} → True
- » {492, 10, 399, {{2, 4, -7, 8, 1, -9, -5, 10, -6, -3}, {2, 4, -6, 7, 1, -8, 10, -9, -5, -3}, Flype}} → True
- » {493, 10, 400, {{2, 4, -7, 8, 1, -9, -5, 10, -6, -3}, {2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, Reidemeister 3}} → True
- » {494, 10, 401, {{2, 4, -7, 8, 1, 9, 5, -10, 6, -3}, {2, 4, -6, 7, 1, 8, -10, 9, 5, -3}, Flype}} → True
- » {495, 10, 402, {{2, 4, -7, 8, 1, 9, 5, -10, 6, -3}, {2, 4, 6, 9, 1, -8, 10, 3, -5, 7}, Reidemeister 3}} → True
- » {496, 10, 403, {{2, 4, 7, -8, 1, -9, -5, 10, -6, -3}, {2, 4, 6, -7, 1, -8, 10, -9, -5, -3}, Flype}} → True
- » {497, 10, 404, {{2, 4, 7, -8, 1, 9, 5, -10, 6, -3}, {2, 4, -6, 7, 1, 8, -10, 9, 5, -3}, Flype}} → True
- » {498, 10, 405, {{2, 4, 7, -8, 1, 9, 5, -10, 6, -3}, {2, 4, 6, -9, 1, -8, 10, -3, -5, 7}, Reidemeister 3}} → True
- » {499, 10, 406, {{2, 4, 7, 8, 1, -9, -5, 10, -6, 3}, {2, 4, -6, -7, 1, -8, -10, -9, -5, -3}, Flype}} → True
- » {500, 10, 407, {{2, 4, -7, 10, 1, -8, -3, -9, -5, -6}, {2, 4, -7, 6, 1, -8, 10, -9, -5, -3}, Reidemeister 3}} → True
- » {501, 10, 408, {{2, 4, -7, 10, 1, 8, -3, 9, 5, 6}, {2, 4, -7, 6, 1, 8, -10, 9, 5, -3}, Reidemeister 3}} → True
- » {502, 10, 409, {{2, 4, -8, 1, -7, -9, -5, -10, -3, -6}, {2, 4, -6, 1, -7, -9, -3, -10, -5, -8}, Flype}} → True
- » {503, 10, 410, {{2, 4, -8, 1, 7, 9, 5, 10, -3, 6}, {2, 4, -6, 1, 7, 9, -3, 10, 5, 8}, Flype}} → True
- » {504, 10, 411, {{2, 4, 8, 1, -7, -9, -5, -10, 3, -6}, {2, 4, 6, 1, -7, -9, 3, -10, -5, -8}, Flype}} → True
- » {505, 10, 412, {{2, 4, -8, 1, -7, -9, -10, -3, -5, -6}, {2, 4, -7, 1, -8, -9, -3, -10, -5, -6}, Flype}} → True
- » {506, 10, 413, {{2, 4, -8, 1, 7, 9, 10, -3, 5, 6}, {2, 4, -7, 1, 8, 9, -3, 10, 5, 6}, Flype}} → True
- » {507, 10, 414, {{2, 4, -8, 1, 7, 9, 10, -3, 5, 6}, {2, 4, 7, 1, -8, -9, -10, 3, -5, -6}, 2-Pass}} → True
- » {508, 10, 415, {{2, 4, 8, 1, -7, -9, -10, 3, -5, -6}, {2, 4, 7, 1, -8, -9, 3, -10, -5, -6}, Flype}} → True
- » {509, 10, 416, {{2, 4, 8, 1, -7, -9, -10, 3, -5, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 5, 6}, 2-Pass}} → True
- » {510, 10, 417, {{2, 4, -8, 1, -7, -9, -10, -3, -6, -5}, {2, 4, -7, 1, -8, -9, -3, -10, -6, -5}, Flype}} → True

- » {511, 10, 418, {{2, 4, -8, 1, 7, 9, 10, -3, 6, 5}, {2, 4, -7, 1, 8, 9, -3, 10, 6, 5}, Flype}} → True
- » {512, 10, 419, {{2, 4, 8, 1, -7, -9, -10, 3, -6, -5}, {2, 4, 7, 1, -8, -9, 3, -10, -6, -5}, Flype}} → True
- » {513, 10, 420, {{2, 4, -8, 1, -7, -10, -9, -3, -5, -6}, {2, 4, -7, 1, -8, -9, -3, -10, -6, -5}, Flype}} → True
- » {514, 10, 421, {{2, 4, -8, 1, 7, 10, 9, -3, 5, 6}, {2, 4, -7, 1, 8, 9, -3, 10, 6, 5}, Flype}} → True
- » {515, 10, 422, {{2, 4, -8, 1, 7, 10, 9, -3, 5, 6}, {2, 4, 7, 1, -8, -9, -10, 3, -6, -5}, 2-Pass}} → True
- » {516, 10, 423, {{2, 4, 8, 1, -7, -10, -9, 3, -5, -6}, {2, 4, 7, 1, -8, -9, 3, -10, -6, -5}, Flype}} → True
- » {517, 10, 424, {{2, 4, 8, 1, -7, -10, -9, 3, -5, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, 2-Pass}} → True
- » {518, 10, 425, {{2, 4, -8, 5, 1, -7, -9, -3, -10, -6}, {2, 4, 5, -7, 1, -8, -9, -3, -10, -6}, 2-Pass}} → True
- » {519, 10, 426, {{2, 4, -8, 5, 1, -7, -9, -3, -10, -6}, {2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, Flype}} → True
- » {520, 10, 427, {{2, 4, -8, 5, 1, -7, -9, -3, -10, -6}, {2, 4, 7, 5, 1, -9, 3, -10, -6, -8}, Flype}} → True
- » {521, 10, 428, {{2, 4, -8, 5, 1, 7, 9, -3, 10, 6}, {2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, Flype}} → True
- » {522, 10, 429, {{2, 4, -8, -7, 1, -3, -9, -5, -10, -6}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {523, 10, 430, {{2, 4, -8, 7, 1, -3, -9, 5, -10, -6}, {2, 4, 5, -7, 1, -8, -9, -3, -10, -6}, Reidemeister 3}} → True
- » {524, 10, 431, {{2, 4, -8, 7, 1, -3, -9, 5, -10, -6}, {2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, 2-Pass}} → True
- » {525, 10, 432, {{2, 4, -8, 7, 1, -3, -9, 5, -10, -6}, {2, 4, 6, 9, 1, -8, 10, 3, -5, 7}, 2-Pass}} → True
- » {526, 10, 433, {{2, 4, -8, 7, 1, -3, 9, -5, 10, 6}, {2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {527, 10, 434, {{2, 4, 8, -7, 1, -3, 9, -5, 10, 6}, {2, 4, 5, -7, 1, 8, 9, -3, 10, 6}, Reidemeister 3}} → True
- » {528, 10, 435, {{2, 4, 8, -7, 1, -3, 9, -5, 10, 6}, {2, 4, 5, 7, 1, -9, 3, -10, -6, -8}, 2-Pass}} → True
- » {529, 10, 436, {{2, 4, -8, -7, 1, -9, -5, -10, -6, -3}, {2, 4, -7, -6, 1, -8, -10, -9, -5, -3}, Flype}} → True
- » {530, 10, 437, {{2, 4, -8, 7, 1, -9, -5, 10, -6, -3}, {2, 4, 6, 9, 1, 8, -10, 3, 5, -7}, 2-Pass}} → True
- » {531, 10, 438, {{2, 4, -8, 7, 1, -9, -5, 10, -6, -3}, {2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, Reidemeister 3}} → True
- » {532, 10, 439, {{2, 4, -8, 7, 1, -9, -5, 10, -6, -3}, {2, 4, -7, 6, 1, -8, 10, -9, -5, -3}, Flype}} → True
- » {533, 10, 440, {{2, 4, -8, 7, 1, 9, 5, -10, 6, -3}, {2, 4, -7, 6, 1, 8, -10, 9, 5, -3}, Flype}} → True
- » {534, 10, 441, {{2, 4, 8, -7, 1, -9, -5, 10, -6, -3}, {2, 4, 7, 5, 1, -9, 3, -10, -6, -8}, Reidemeister 3}} → True
- » {535, 10, 442, {{2, 4, 8, -7, 1, -9, -5, 10, -6, -3}, {2, 4, -7, 6, 1, -8, 10, -9, -5, -3}, Flype}} → True
- » {536, 10, 443, {{2, 4, 8, -7, 1, 9, 5, -10, 6, -3}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True

- » {537, 10, 444, {{2, 4, 8, -7, 1, 9, 5, -10, 6, -3}, {2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, Reidemeister 3}} → True
- » {538, 10, 445, {{2, 4, 8, -7, 1, 9, 5, -10, 6, -3}, {2, 4, 7, -6, 1, 8, -10, 9, 5, -3}, Flype}} → True
- » {539, 10, 446, {{2, 4, 8, 7, 1, -9, -5, 10, -6, 3}, {2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {540, 10, 447, {{2, 4, 8, 7, 1, -9, -5, 10, -6, 3}, {2, 4, -7, -6, 1, -8, -10, -9, -5, -3}, Flype}} → True
- » {541, 10, 448, {{2, 4, -8, 10, 1, -7, -9, -5, -3, -6}, {2, 4, 5, -7, 1, -9, -3, -10, -6, -8}, Flype}} → True
- » {542, 10, 449, {{2, 4, -8, 10, 1, -7, -9, -5, -3, -6}, {2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, 2-Pass}} → True
- » {543, 10, 450, {{2, 4, -8, 10, 1, 7, 9, 5, -3, 6}, {2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, Flype}} → True
- » {544, 10, 451, {{2, 4, -8, 10, 1, 7, 9, 5, -3, 6}, {2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, 2-Pass}} → True
- » {545, 10, 452, {{2, 4, 8, 10, 1, -7, -9, -5, 3, -6}, {2, 4, 5, 7, 1, -9, 3, -10, -6, -8}, Flype}} → True
- » {546, 10, 453, {{2, 4, -9, 1, -7, -8, -10, -5, -3, -6}, {2, 4, -6, 1, -8, -3, -9, -10, -5, -7}, Flype}} → True
- » {547, 10, 454, {{2, 4, -9, 1, 7, 8, 10, 5, -3, 6}, {2, 4, -6, 1, 8, -3, 9, 10, 5, 7}, Flype}} → True
- » {548, 10, 455, {{2, 4, 9, 1, -7, -8, -10, -5, 3, -6}, {2, 4, 6, 1, -8, 3, -9, -10, -5, -7}, Flype}} → True
- » {549, 10, 456, {{2, 4, 9, 1, -7, -8, 10, -5, 3, 6}, {2, 4, 6, 1, 8, 3, -9, -10, 5, -7}, Flype}} → True
- » {550, 10, 457, {{2, 4, 9, 1, 7, 8, -10, 5, 3, -6}, {2, 4, 6, 1, -8, 3, 9, 10, -5, 7}, Flype}} → True
- » {551, 10, 458, {{2, 4, -9, 1, -8, -7, -10, -5, -3, -6}, {2, 4, -6, 1, -8, -3, -10, -9, -5, -7}, Flype}} → True
- » {552, 10, 459, {{2, 4, -9, 1, 8, 7, 10, 5, -3, 6}, {2, 4, -6, 1, 8, -3, 10, 9, 5, 7}, Flype}} → True
- » {553, 10, 460, {{2, 4, 9, 1, -8, -7, -10, -5, 3, -6}, {2, 4, 6, 1, -8, 3, -10, -9, -5, -7}, Flype}} → True
- » {554, 10, 462, {{2, 4, -9, 6, 1, -8, 10, -3, -5, 7}, {2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, 2-Pass}} → True
- » {555, 10, 463, {{2, 4, -9, 6, 1, -8, 10, -3, -5, 7}, {2, 4, -7, -6, 1, -8, -10, -9, -5, -3}, Reidemeister 3}} → True
- » {556, 10, 464, {{2, 4, -9, 6, 1, -8, 10, -3, -5, 7}, {2, 4, 8, -7, 1, 9, 5, -10, 6, -3}, Reidemeister 3}} → True
- » {557, 10, 465, {{2, 4, -9, 6, 1, -8, 10, -3, -5, 7}, {2, 4, -8, 10, 1, -7, -9, -5, -3, -6}, 2-Pass}} → True
- » {558, 10, 467, {{2, 4, -9, 6, 1, 8, -10, -3, 5, -7}, {2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, 2-Pass}} → True
- » {559, 10, 468, {{2, 4, -9, 6, 1, 8, -10, -3, 5, -7}, {2, 4, -7, 8, 1, -3, 9, -5, 10, 6}, 2-Pass}} → True
- » {560, 10, 469, {{2, 4, -9, 6, 1, 8, -10, -3, 5, -7}, {2, 4, 7, 8, 1, -9, -5, 10, -6, 3}, 2-Pass}} → True
- » {561, 10, 470, {{2, 4, -9, 6, 1, 8, -10, -3, 5, -7}, {2, 4, -8, 7, 1, -9, -5, 10, -6, -3}, Reidemeister 3}} → True
- » {562, 10, 471, {{2, 4, -9, 6, 1, 8, -10, -3, 5, -7}, {2, 4, -8, 10, 1, 7, 9, 5, -3, 6}, 2-Pass}} → True
- » {563, 10, 473, {{2, 4, 9, -6, 1, -8, 10, -3, -5, 7}, {2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, 2-Pass}} → True



- » {564, 10, 474,  
  {{2, 4, 9, -6, 1, -8, 10, -3, -5, 7}, {2, 4, -7, 6, 1, -8, 10, -9, -5, -3}, Reidemeister 3}} → True
- » {565, 10, 475,  
  {{2, 4, 9, -6, 1, -8, 10, -3, -5, 7}, {2, 4, -7, -8, 1, -3, -9, -5, -10, -6}, 2-Pass}} → True
- » {566, 10, 476, {{2, 4, 9, -6, 1, -8, 10, -3, -5, 7}, {2, 4, -7, 8, 1, 9, 5, -10, 6, -3}, 2-Pass}} → True
- » {567, 10, 477, {{2, 4, 9, -6, 1, -8, 10, -3, -5, 7}, {2, 4, -9, 6, 1, 8, -10, -3, 5, -7}, Flype}} → True
- » {568, 10, 479,  
  {{2, 4, 9, -6, 1, 8, -10, -3, 5, -7}, {2, 4, 5, -7, 1, -9, -3, -10, -6, -8}, 2-Pass}} → True
- » {569, 10, 480,  
  {{2, 4, 9, -6, 1, 8, -10, -3, 5, -7}, {2, 4, 7, -6, 1, 8, -10, 9, 5, -3}, Reidemeister 3}} → True
- » {570, 10, 481,  
  {{2, 4, 9, -6, 1, 8, -10, -3, 5, -7}, {2, 4, -8, -7, 1, -9, -5, -10, -6, -3}, Reidemeister 3}} → True
- » {571, 10, 482, {{2, 4, 9, -6, 1, 8, -10, -3, 5, -7}, {2, 4, -9, 6, 1, -8, 10, -3, -5, 7}, Flype}} → True
- » {572, 10, 484, {{2, 4, 9, 6, 1, -8, 10, 3, -5, 7}, {2, 4, -7, 8, 1, -3, -9, 5, -10, -6}, 2-Pass}} → True
- » {573, 10, 485,  
  {{2, 4, 9, 6, 1, -8, 10, 3, -5, 7}, {2, 4, -8, 7, 1, 9, 5, -10, 6, -3}, Reidemeister 3}} → True
- » {574, 10, 487,  
  {{2, 4, 9, 6, 1, 8, -10, 3, 5, -7}, {2, 4, -7, 6, 1, 8, -10, 9, 5, -3}, Reidemeister 3}} → True
- » {575, 10, 488, {{2, 4, 9, 6, 1, 8, -10, 3, 5, -7}, {2, 4, 7, -8, 1, -9, -5, 10, -6, -3}, 2-Pass}} → True
- » {576, 10, 489, {{2, 4, 9, 6, 1, 8, -10, 3, 5, -7}, {2, 4, 9, 6, 1, -8, 10, 3, -5, 7}, Flype}} → True
- » {577, 10, 491, {{2, 4, 10, -6, 1, -8, -3, -9, -5, -7}, {2, 4, 5, -7, 1, 9, -3, 10, 6, 8}, 2-Pass}} → True
- » {578, 10, 492,  
  {{2, 4, 10, -6, 1, -8, -3, -9, -5, -7}, {2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, Flype}} → True
- » {579, 10, 493,  
  {{2, 4, 10, -6, 1, -8, -3, -9, -5, -7}, {2, 4, 7, 5, 1, -9, 3, -10, -6, -8}, Flype}} → True
- » {580, 10, 494,  
  {{2, 4, 10, -6, 1, -8, -3, -9, -5, -7}, {2, 4, -7, 6, 1, -8, 10, -9, -5, -3}, Reidemeister 3}} → True
- » {581, 10, 495,  
  {{2, 4, 10, -6, 1, -8, -3, -9, -5, -7}, {2, 4, 9, -6, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {582, 10, 496, {{2, 4, 10, -6, 1, 8, -3, 9, 5, 7}, {2, 4, 5, -7, 1, -9, -3, -10, -6, -8}, 2-Pass}} → True
- » {583, 10, 497, {{2, 4, 10, -6, 1, 8, -3, 9, 5, 7}, {2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, Flype}} → True
- » {584, 10, 498,  
  {{2, 4, 10, -6, 1, 8, -3, 9, 5, 7}, {2, 4, 7, -6, 1, 8, -10, 9, 5, -3}, Reidemeister 3}} → True
- » {585, 10, 499, {{2, 4, 10, -6, 1, 8, -3, 9, 5, 7}, {2, 4, 9, -6, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {586, 10, 500,  
  {{2, 4, 10, -8, 1, -7, -9, -5, -3, -6}, {2, 4, 6, -9, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {587, 10, 501,  
  {{2, 4, 10, -8, 1, -7, -9, -5, -3, -6}, {2, 4, -7, 5, 1, -9, -3, -10, -6, -8}, Flype}} → True
- » {588, 10, 502,  
  {{2, 4, 10, -8, 1, -7, -9, -5, -3, -6}, {2, 4, 7, 5, 1, -9, 3, -10, -6, -8}, Flype}} → True
- » {589, 10, 503, {{2, 4, 10, -8, 1, 7, 9, 5, -3, 6}, {2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True

- » {590, 10, 504, {{2, 4, 10, -8, 1, 7, 9, 5, -3, 6}, {2, 4, -7, 5, 1, 9, -3, 10, 6, 8}, Flype}} → True
- » {591, 10, 505, {{2, 5, 6, -8, 1, 4, -9, -10, -3, -7}, {2, 4, -7, 1, -6, -9, -3, -10, -5, -8}, 2-Pass}} → True
- » {592, 10, 507, {{2, 5, 6, -8, 1, 4, 9, 10, -3, 7}, {2, 4, -7, 1, -6, -9, -10, -3, -5, -8}, 2-Pass}} → True
- » {593, 10, 508, {{2, 5, 6, -8, 1, 4, 9, 10, -3, 7}, {2, 4, -7, 1, -8, -9, -5, -3, -10, -6}, 2-Pass}} → True
- » {594, 10, 510, {{2, 5, 6, 8, 1, 4, -9, -10, 3, -7}, {2, 4, 7, 1, -6, -9, 3, -10, -5, -8}, 2-Pass}} → True
- » {595, 10, 511, {{2, 5, 6, 8, 1, 4, -9, -10, 3, -7}, {2, 4, -7, 1, 6, 9, 10, -3, 5, 8}, 2-Pass}} → True
- » {596, 10, 512, {{2, 5, 6, 8, 1, 4, -9, -10, 3, -7}, {2, 4, -7, 1, 8, 9, 5, -3, 10, 6}, 2-Pass}} → True
- » {597, 10, 519, {{2, 5, 7, -6, 1, -8, -9, 10, -4, -3}, {2, 5, -7, -6, 1, 8, -9, -10, 4, -3}, Flype}} → True
- » {598, 10, 523, {{2, 5, 7, -6, 1, -8, 9, 10, -4, 3}, {2, 5, -7, 6, 1, 8, 9, -10, 4, -3}, Flype}} → True
- » {599, 10, 525, {{2, 5, 7, -6, 1, 8, -9, 10, -4, 3}, {2, 5, -7, -6, 1, 8, -9, 10, -4, -3}, 2-Pass}} → True
- » {600, 10, 526, {{2, 5, 7, -6, 1, 8, -9, 10, -4, 3}, {2, 5, -7, 6, 1, 8, -9, 10, 4, -3}, Flype}} → True
- » {601, 10, 534, {{2, 5, 7, 6, -9, 1, 8, 3, -10, -4}, {2, 5, -7, -6, -9, 1, -8, -3, -10, -4}, Flype}} → True
- » {602, 10, 536, {{2, 5, -7, -8, 1, 4, -9, -10, -6, -3}, {2, 5, -7, -6, 1, 8, -9, -10, 4, -3}, Reidemeister 3}} → True
- » {603, 10, 538, {{2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, {2, 4, 7, 1, -6, -9, -10, 3, -5, -8}, Reidemeister 3}} → True
- » {604, 10, 539, {{2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, {2, 4, -8, 1, 7, 9, 5, -3, 10, 6}, 2-Pass}} → True
- » {605, 10, 540, {{2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, {2, 5, -7, -6, 1, 8, -9, 10, -4, -3}, Reidemeister 3}} → True
- » {606, 10, 541, {{2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, {2, 5, 7, -6, 1, 8, -9, 10, -4, 3}, 2-Pass}} → True
- » {607, 10, 543, {{2, 5, -7, 8, 1, 4, 9, -10, 6, -3}, {2, 4, -7, 1, 6, 9, 10, -3, 5, 8}, Reidemeister 3}} → True
- » {608, 10, 544, {{2, 5, -7, 8, 1, 4, 9, -10, 6, -3}, {2, 4, 8, 1, -7, -9, -5, 3, -10, -6}, 2-Pass}} → True
- » {609, 10, 545, {{2, 5, -7, 8, 1, 4, 9, -10, 6, -3}, {2, 5, 6, 8, 1, 4, -9, -10, 3, -7}, 2-Pass}} → True
- » {610, 10, 547, {{2, 5, 7, -8, 1, 4, -9, 10, -6, -3}, {2, 4, -7, 1, -6, -9, -10, -3, -5, -8}, Reidemeister 3}} → True
- » {611, 10, 548, {{2, 5, 7, -8, 1, 4, -9, 10, -6, -3}, {2, 5, 6, -8, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {612, 10, 549, {{2, 5, 7, -8, 1, 4, -9, 10, -6, -3}, {2, 5, 7, -6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {613, 10, 551, {{2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, {2, 4, -8, 1, -7, -9, -5, -3, -10, -6}, 2-Pass}} → True
- » {614, 10, 552, {{2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, {2, 5, 6, -8, 1, 4, -9, -10, -3, -7}, 2-Pass}} → True
- » {615, 10, 553, {{2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, 2-Pass}} → True
- » {616, 10, 554, {{2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, Reidemeister 3}} → True

- » {617, 10, 557, {{2, 5, 7, 8, 1, 4, -9, 10, -6, 3}, {2, 5, -7, -6, 1, 8, -9, 10, -4, -3}, 2-Pass}} → True
- » {618, 10, 558, {{2, 5, 7, 8, 1, 4, -9, 10, -6, 3}, {2, 5, 7, -6, 1, 8, -9, 10, -4, 3}, Reidemeister 3}} → True
- » {619, 10, 559, {{2, 5, 7, 8, 1, 4, -9, 10, -6, 3}, {2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, 2-Pass}} → True
- » {620, 10, 573, {{2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, {2, 5, -7, 6, 1, 8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {621, 10, 575, {{2, 5, -7, 9, 1, 8, -3, 10, 4, 6}, {2, 5, -7, 6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {622, 10, 577, {{2, 5, 7, -9, 1, -8, 3, 10, -4, -6}, {2, 5, 7, -6, 1, -8, 9, 10, -4, 3}, Reidemeister 3}} → True
- » {623, 10, 578, {{2, 5, 7, -9, 1, -8, 3, 10, -4, -6}, {2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, Flype}} → True
- » {624, 10, 580, {{2, 5, 7, -9, 1, 8, 3, 10, -4, 6}, {2, 5, 7, -6, 1, 8, -9, 10, -4, 3}, Reidemeister 3}} → True
- » {625, 10, 581, {{2, 5, 7, -9, 1, 8, 3, 10, -4, 6}, {2, 5, -7, 9, 1, 8, -3, 10, 4, 6}, Flype}} → True
- » {626, 10, 583, {{2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {627, 10, 586, {{2, 5, -7, -9, 1, 8, -4, 10, 6, -3}, {2, 4, -6, 1, 8, -3, 10, 9, 5, 7}, 2-Pass}} → True
- » {628, 10, 587, {{2, 5, -7, -9, 1, 8, -4, 10, 6, -3}, {2, 5, -7, 6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {629, 10, 588, {{2, 5, -7, -9, 1, 8, -4, 10, 6, -3}, {2, 5, -7, 9, 1, 8, -3, 10, 4, 6}, 2-Pass}} → True
- » {630, 10, 590, {{2, 5, -7, -9, 1, 8, 4, -10, 6, -3}, {2, 4, -6, 1, -9, -3, -8, -10, -5, -7}, 2-Pass}} → True
- » {631, 10, 591, {{2, 5, -7, -9, 1, 8, 4, -10, 6, -3}, {2, 4, 9, 1, 7, 8, -10, 5, 3, -6}, 2-Pass}} → True
- » {632, 10, 592, {{2, 5, -7, -9, 1, 8, 4, -10, 6, -3}, {2, 5, -7, -6, 1, 8, -9, -10, 4, -3}, Reidemeister 3}} → True
- » {633, 10, 593, {{2, 5, -7, -9, 1, 8, 4, -10, 6, -3}, {2, 5, -7, -8, 1, 4, -9, -10, -6, -3}, 2-Pass}} → True
- » {634, 10, 595, {{2, 5, 7, -9, 1, -8, -4, 10, -6, -3}, {2, 4, -6, 1, 9, -3, 8, 10, 5, 7}, 2-Pass}} → True
- » {635, 10, 596, {{2, 5, 7, -9, 1, -8, -4, 10, -6, -3}, {2, 4, 9, 1, -7, -8, 10, -5, 3, 6}, 2-Pass}} → True
- » {636, 10, 598, {{2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, {2, 4, -6, 1, -8, -3, -10, -9, -5, -7}, 2-Pass}} → True
- » {637, 10, 599, {{2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {638, 10, 600, {{2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, {2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, 2-Pass}} → True
- » {639, 10, 601, {{2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, {2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, 2-Pass}} → True
- » {640, 10, 603, {{2, 5, 7, -9, 1, 8, 4, 10, 6, -3}, {2, 5, 7, -6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {641, 10, 604, {{2, 5, 7, -9, 1, 8, 4, 10, 6, -3}, {2, 5, 7, -8, 1, 4, -9, 10, -6, -3}, 2-Pass}} → True
- » {642, 10, 606, {{2, 5, 7, 9, 1, -8, 4, 10, -6, 3}, {2, 5, 7, -6, 1, -8, 9, 10, -4, 3}, Reidemeister 3}} → True
- » {643, 10, 607, {{2, 5, 7, 9, 1, -8, 4, 10, -6, 3}, {2, 5, 7, -9, 1, -8, 3, 10, -4, -6}, 2-Pass}} → True

- » {644, 10, 610, {{2, 5, -7, -9, 1, 8, -10, 4, 6, -3}, {2, 4, 9, 1, -7, -8, 10, -5, 3, 6}, 2-Pass}} → True
- » {645, 10, 611, {{2, 5, -7, -9, 1, 8, -10, 4, 6, -3}, {2, 4, -9, 1, 7, 10, 8, 5, -3, 6}, 2-Pass}} → True
- » {646, 10, 613, {{2, 5, -7, -9, 1, 8, 10, -4, 6, -3}, {2, 4, -9, 1, -8, -7, -10, -5, -3, -6}, 2-Pass}} → True
- » {647, 10, 614, {{2, 5, -7, -9, 1, 8, 10, -4, 6, -3}, {2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, 2-Pass}} → True
- » {648, 10, 616, {{2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, {2, 4, -9, 1, 8, 7, 10, 5, -3, 6}, 2-Pass}} → True
- » {649, 10, 617, {{2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, {2, 5, -7, 9, 1, 8, -3, 10, 4, 6}, 2-Pass}} → True
- » {650, 10, 619, {{2, 5, 7, -9, 1, -8, 10, -4, -6, -3}, {2, 4, 9, 1, 7, 8, -10, 5, 3, -6}, 2-Pass}} → True
- » {651, 10, 620, {{2, 5, 7, -9, 1, -8, 10, -4, -6, -3}, {2, 4, -9, 1, -7, -10, -8, -5, -3, -6}, 2-Pass}} → True
- » {652, 10, 623, {{2, 5, 7, 9, 1, -8, 10, 4, -6, 3}, {2, 5, -7, -9, 1, 8, -3, 10, -4, -6}, 2-Pass}} → True
- » {653, 10, 625, {{2, 5, -7, -9, 1, 10, -3, -6, -4, -8}, {2, 5, -7, -6, 9, 1, -8, -3, 10, 4}, Flype}} → True
- » {654, 10, 626, {{2, 5, -7, -9, 1, 10, -3, -6, -4, -8}, {2, 5, -7, -9, 1, 8, -3, 10, -4, -6}, Reidemeister 3}} → True
- » {655, 10, 627, {{2, 5, -7, 9, 1, 10, -3, -6, 4, 8}, {2, 5, -7, -6, -9, 1, -8, -3, -10, -4}, Flype}} → True
- » {656, 10, 628, {{2, 5, -7, 9, 1, 10, -3, -6, 4, 8}, {2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, Reidemeister 3}} → True
- » {657, 10, 629, {{2, 5, 7, -9, 1, 10, 3, 6, -4, -8}, {2, 5, 7, 6, -9, 1, 8, 3, -10, -4}, Flype}} → True
- » {658, 10, 630, {{2, 5, 7, -9, 1, 10, 3, 6, -4, -8}, {2, 5, 7, -9, 1, -8, 3, 10, -4, -6}, Reidemeister 3}} → True
- » {659, 10, 631, {{2, 5, -7, -9, -8, 1, -3, -6, -10, -4}, {2, 5, 7, 6, -9, 1, 8, 3, -10, -4}, Flype}} → True
- » {660, 10, 632, {{2, 5, -7, 9, 8, 1, -3, -6, 10, 4}, {2, 5, 7, 6, -9, 1, 3, -10, -4, -8}, 2-Pass}} → True
- » {661, 10, 633, {{2, 5, -7, 9, 8, 1, -3, -6, 10, 4}, {2, 5, -7, -6, -9, 1, -8, -3, -10, -4}, Flype}} → True
- » {662, 10, 634, {{2, 5, 7, -9, -8, 1, 3, 6, -10, -4}, {2, 5, -7, -6, 9, 1, -3, 10, 4, 8}, 2-Pass}} → True
- » {663, 10, 635, {{2, 5, 7, -9, -8, 1, 3, 6, -10, -4}, {2, 5, -7, -6, 9, 1, -8, -3, 10, 4}, Flype}} → True
- » {664, 10, 636, {{2, 5, -7, -10, -9, 1, -8, -3, -6, -4}, {2, 5, -7, -6, -9, 1, -3, -10, -4, -8}, 2-Pass}} → True
- » {665, 10, 637, {{2, 5, -7, -10, -9, 1, -8, -3, -6, -4}, {2, 5, -7, -6, -9, 1, -3, -10, -4, -8}, Flype}} → True
- » {666, 10, 638, {{2, 5, -7, 10, 9, 1, -8, -3, -6, 4}, {2, 5, 7, 6, -9, 1, 3, -10, -4, -8}, Flype}} → True
- » {667, 10, 639, {{2, 5, -7, 10, 9, 1, -8, -3, -6, 4}, {2, 5, 7, -9, 1, -8, 3, 10, -4, -6}, 2-Pass}} → True
- » {668, 10, 640, {{2, 5, 7, -10, -9, 1, 8, 3, 6, -4}, {2, 5, -7, -6, 9, 1, -3, 10, 4, 8}, 2-Pass}} → True
- » {669, 10, 641, {{2, 5, 7, -10, -9, 1, 8, 3, 6, -4}, {2, 5, -7, -6, 9, 1, -3, 10, 4, 8}, Flype}} → True
- » {670, 10, 642, {{2, 5, 7, -10, -9, 1, 8, 3, 6, -4}, {2, 5, -7, -9, 1, 8, -3, 10, -4, -6}, 2-Pass}} → True
- » {671, 10, 643, {{2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, {2, 4, -7, 1, -6, -9, -10, -3, -5, -8}, 2-Pass}} → True

- » {672, 10, 644,  
  {{2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, {2, 4, -8, 1, -7, -9, -5, -10, -3, -6}, 2-Pass}} → True
- » {673, 10, 645, {{2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, {2, 5, 6, -8, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {674, 10, 646,  
  {{2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, {2, 5, 7, -8, 1, 4, -9, 10, -6, -3}, Reidemeister 3}} → True
- » {675, 10, 648,  
  {{2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, {2, 4, -7, 1, -6, -9, -3, -10, -5, -8}, 2-Pass}} → True
- » {676, 10, 649,  
  {{2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, {2, 4, -8, 1, -7, -9, -5, -3, -10, -6}, 2-Pass}} → True
- » {677, 10, 650, {{2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, {2, 5, 6, -8, 1, 4, -9, -10, -3, -7}, 2-Pass}} → True
- » {678, 10, 651,  
  {{2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, {2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, Reidemeister 3}} → True
- » {679, 10, 653, {{2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, {2, 4, -7, 1, 6, 9, -3, 10, 5, 8}, 2-Pass}} → True
- » {680, 10, 654, {{2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, {2, 4, 7, 1, -6, -9, -10, 3, -5, -8}, 2-Pass}} → True
- » {681, 10, 655, {{2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, {2, 4, -8, 1, 7, 9, 5, -3, 10, 6}, 2-Pass}} → True
- » {682, 10, 656, {{2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, {2, 4, 8, 1, -7, -9, -5, -10, 3, -6}, 2-Pass}} → True
- » {683, 10, 657,  
  {{2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, {2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, Reidemeister 3}} → True
- » {684, 10, 659,  
  {{2, 5, -8, -6, 1, -9, -3, -10, -4, -7}, {2, 5, -7, -9, 1, -8, -10, -4, -6, -3}, Flype}} → True
- » {685, 10, 660, {{2, 5, -8, -6, 1, 9, -3, -10, 4, -7}, {2, 4, 6, 1, -8, 3, 9, 10, -5, 7}, 2-Pass}} → True
- » {686, 10, 661,  
  {{2, 5, -8, -6, 1, 9, -3, -10, 4, -7}, {2, 5, -7, -8, 1, 4, -9, -10, -6, -3}, Reidemeister 3}} → True
- » {687, 10, 662,  
  {{2, 5, -8, -6, 1, 9, -3, -10, 4, -7}, {2, 5, 7, -9, 1, -8, 10, -4, -6, -3}, Flype}} → True
- » {688, 10, 663,  
  {{2, 5, -8, -6, 1, 9, -3, 10, -4, 7}, {2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, Reidemeister 3}} → True
- » {689, 10, 664, {{2, 5, -8, -6, 1, 9, -3, 10, -4, 7}, {2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, 2-Pass}} → True
- » {690, 10, 665, {{2, 5, -8, -6, 1, 9, -3, 10, -4, 7}, {2, 5, -7, -9, 1, 8, 10, -4, 6, -3}, Flype}} → True
- » {691, 10, 666, {{2, 5, -8, -6, 1, 9, -3, 10, -4, 7}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {692, 10, 667,  
  {{2, 5, 8, -6, 1, -9, -3, -10, 4, -7}, {2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, Reidemeister 3}} → True
- » {693, 10, 668, {{2, 5, 8, -6, 1, -9, -3, -10, 4, -7}, {2, 5, 7, -9, 1, 8, 3, 10, -4, 6}, 2-Pass}} → True
- » {694, 10, 669,  
  {{2, 5, 8, -6, 1, -9, -3, -10, 4, -7}, {2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, Flype}} → True
- » {695, 10, 670, {{2, 5, 8, -6, 1, -9, -3, -10, 4, -7}, {2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, 2-Pass}} → True
- » {696, 10, 671, {{2, 5, 8, -6, 1, -9, -3, 10, -4, 7}, {2, 4, 6, 1, 8, 3, -9, -10, 5, -7}, 2-Pass}} → True
- » {697, 10, 672, {{2, 5, 8, -6, 1, -9, -3, 10, -4, 7}, {2, 5, -7, -9, 1, 8, -10, 4, 6, -3}, Flype}} → True
- » {698, 10, 673,  
  {{2, 5, 8, -6, 1, 9, -3, 10, 4, 7}, {2, 5, -7, 8, 1, 4, 9, -10, 6, -3}, Reidemeister 3}} → True

- » {699, 10, 674, {{2, 5, 8, -6, 1, 9, -3, 10, 4, 7}, {2, 5, 7, -9, 1, 8, 10, 4, 6, -3}, Flype}} → True
- » {700, 10, 675, {{2, 5, 8, 6, 1, 9, 3, -10, 4, -7}, {2, 5, -7, -9, 1, 8, -3, 10, -4, -6}, 2-Pass}} → True
- » {701, 10, 676, {{2, 5, 8, 6, 1, 9, 3, -10, 4, -7}, {2, 5, 7, 9, 1, -8, 10, 4, -6, 3}, Flype}} → True
- » {702, 10, 677,
  - {{2, 5, -8, -7, 1, 4, -9, -10, -6, -3}, {2, 5, -7, -9, 1, 8, -10, 4, 6, -3}, 2-Pass}} → True
- » {703, 10, 679,
  - {{2, 5, -8, 7, 1, 4, -9, 10, -6, -3}, {2, 4, -7, 1, -6, -9, -3, -10, -5, -8}, Reidemeister 3}} → True
- » {704, 10, 680,
  - {{2, 5, -8, 7, 1, 4, -9, 10, -6, -3}, {2, 5, 6, -8, 1, 4, -9, -10, -3, -7}, Reidemeister 3}} → True
- » {705, 10, 681,
  - {{2, 5, -8, 7, 1, 4, -9, 10, -6, -3}, {2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, Reidemeister 3}} → True
- » {706, 10, 682, {{2, 5, -8, 7, 1, 4, -9, 10, -6, -3}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {707, 10, 684,
  - {{2, 5, -8, 7, 1, 4, 9, -10, 6, -3}, {2, 4, -7, 1, -8, -9, -5, -3, -10, -6}, 2-Pass}} → True
- » {708, 10, 685,
  - {{2, 5, -8, 7, 1, 4, 9, -10, 6, -3}, {2, 5, 6, -8, 1, 4, 9, 10, -3, 7}, Reidemeister 3}} → True
- » {709, 10, 686,
  - {{2, 5, -8, 7, 1, 4, 9, -10, 6, -3}, {2, 5, 7, -8, 1, 4, -9, 10, -6, -3}, Reidemeister 3}} → True
- » {710, 10, 687, {{2, 5, -8, 7, 1, 4, 9, -10, 6, -3}, {2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, 2-Pass}} → True
- » {711, 10, 690,
  - {{2, 5, 8, -7, 1, 4, -9, 10, -6, -3}, {2, 4, 7, 1, -6, -9, 3, -10, -5, -8}, Reidemeister 3}} → True
- » {712, 10, 691, {{2, 5, 8, -7, 1, 4, -9, 10, -6, -3}, {2, 4, -7, 1, 8, 9, 5, -3, 10, 6}, 2-Pass}} → True
- » {713, 10, 692,
  - {{2, 5, 8, -7, 1, 4, -9, 10, -6, -3}, {2, 5, 6, 8, 1, 4, -9, -10, 3, -7}, Reidemeister 3}} → True
- » {714, 10, 693, {{2, 5, 8, -7, 1, 4, -9, 10, -6, -3}, {2, 5, 7, -9, 1, 8, 10, 4, 6, -3}, 2-Pass}} → True
- » {715, 10, 695,
  - {{2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, {2, 4, -7, 1, 6, 9, -3, 10, 5, 8}, Reidemeister 3}} → True
- » {716, 10, 696, {{2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, {2, 4, 7, 1, -8, -9, -5, 3, -10, -6}, 2-Pass}} → True
- » {717, 10, 697,
  - {{2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, {2, 5, 7, 8, 1, 4, -9, 10, -6, 3}, Reidemeister 3}} → True
- » {718, 10, 698, {{2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, {2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, 2-Pass}} → True
- » {719, 10, 699, {{2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, {2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, 2-Pass}} → True
- » {720, 10, 701,
  - {{2, 5, 8, 7, 1, 4, -9, 10, -6, 3}, {2, 5, -7, 8, 1, 4, 9, -10, 6, -3}, Reidemeister 3}} → True
- » {721, 10, 702, {{2, 5, 8, 7, 1, 4, -9, 10, -6, 3}, {2, 5, 8, -7, 1, 4, -9, 10, -6, -3}, 2-Pass}} → True
- » {722, 10, 704,
  - {{2, 5, -8, -7, 1, -9, -3, -4, -10, -6}, {2, 5, -7, -8, 1, 9, 10, -3, -4, 6}, 2-Pass}} → True
- » {723, 10, 705, {{2, 5, -8, -7, 1, 9, -3, -4, 10, 6}, {2, 5, 7, 8, 1, -9, -10, 3, 4, -6}, 2-Pass}} → True
- » {724, 10, 708,
  - {{2, 5, -8, -7, 1, -9, -10, -3, -4, -6}, {2, 5, -7, -8, 1, -9, -10, -4, -3, -6}, 2-Pass}} → True

- » {725, 10, 709, {{2, 5, -8, -7, 1, -9, -10, -3, -4, -6}, {2, 5, -7, -8, 1, -9, -10, -4, -3, -6}, Flype}} → True
- » {726, 10, 710, {{2, 5, -8, -7, 1, 9, 10, -3, -4, 6}, {2, 5, -7, -8, 1, 9, 10, -4, -3, 6}, Flype}} → True
- » {727, 10, 711, {{2, 5, -8, -7, 1, 9, 10, -3, -4, 6}, {2, 5, -8, -7, 1, -9, -4, -3, -10, -6}, 2-Pass}} → True
- » {728, 10, 712, {{2, 5, 8, 7, 1, -9, -10, 3, 4, -6}, {2, 5, 7, 8, 1, -9, -10, 4, 3, -6}, 2-Pass}} → True
- » {729, 10, 713, {{2, 5, 8, 7, 1, -9, -10, 3, 4, -6}, {2, 5, 7, 8, 1, -9, -10, 4, 3, -6}, Flype}} → True
- » {730, 10, 714, {{2, 5, 8, 7, 1, -9, -10, 3, 4, -6}, {2, 5, -8, -7, 1, 9, -4, -3, 10, 6}, 2-Pass}} → True
- » {731, 10, 715, {{2, 5, -8, -9, 1, -7, -10, -4, -3, -6}, {2, 5, -7, -8, 1, -9, -4, -3, -10, -6}, Flype}} → True
- » {732, 10, 716, {{2, 5, -8, -9, 1, 7, 10, -4, -3, 6}, {2, 5, -7, -8, 1, 9, -4, -3, 10, 6}, Flype}} → True
- » {733, 10, 717, {{2, 5, -8, -9, 1, 7, 10, -4, -3, 6}, {2, 5, 7, 8, 1, -9, -10, 3, 4, -6}, 2-Pass}} → True
- » {734, 10, 718, {{2, 5, 8, 9, 1, -7, -10, 4, 3, -6}, {2, 5, -7, -8, 1, -9, -4, -3, -10, -6}, Flype}} → True
- » {735, 10, 719, {{2, 5, 8, 9, 1, -7, -10, 4, 3, -6}, {2, 5, -7, -8, 1, 9, 10, -3, -4, 6}, 2-Pass}} → True
- » {736, 10, 720, {{2, 5, -9, -6, 1, -8, -3, -10, -4, -7}, {2, 5, -7, -9, 1, -8, -4, -10, -6, -3}, Flype}} → True
- » {737, 10, 721, {{2, 5, -9, -6, 1, 8, -3, -10, 4, -7}, {2, 4, -6, 1, 8, -3, 9, 5, 10, 7}, 2-Pass}} → True
- » {738, 10, 722, {{2, 5, -9, -6, 1, 8, -3, -10, 4, -7}, {2, 4, 6, 1, 8, 3, -9, -10, 5, -7}, 2-Pass}} → True
- » {739, 10, 723, {{2, 5, -9, -6, 1, 8, -3, -10, 4, -7}, {2, 5, 7, -9, 1, -8, -4, 10, -6, -3}, Flype}} → True
- » {740, 10, 724, {{2, 5, -9, -6, 1, 8, -3, -10, 4, -7}, {2, 5, -8, -7, 1, 4, -9, -10, -6, -3}, Reidemeister 3}} → True
- » {741, 10, 725, {{2, 5, -9, -6, 1, 8, -3, 10, -4, 7}, {2, 5, 7, -6, 1, 8, -9, 10, -4, 3}, Reidemeister 3}} → True
- » {742, 10, 726, {{2, 5, -9, -6, 1, 8, -3, 10, -4, 7}, {2, 5, 7, -9, 1, 8, 3, 10, -4, 6}, 2-Pass}} → True
- » {743, 10, 727, {{2, 5, -9, -6, 1, 8, -3, 10, -4, 7}, {2, 5, -7, -9, 1, 8, -4, 10, 6, -3}, Flype}} → True
- » {744, 10, 728, {{2, 5, -9, -6, 1, 8, -3, 10, -4, 7}, {2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, 2-Pass}} → True
- » {745, 10, 729, {{2, 5, -9, -6, 1, 8, -3, 10, -4, 7}, {2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, Reidemeister 3}} → True
- » {746, 10, 730, {{2, 5, 9, -6, 1, -8, -3, -10, 4, -7}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {747, 10, 731, {{2, 5, 9, -6, 1, -8, -3, -10, 4, -7}, {2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, 2-Pass}} → True
- » {748, 10, 732, {{2, 5, 9, -6, 1, -8, -3, -10, 4, -7}, {2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, Flype}} → True
- » {749, 10, 733, {{2, 5, 9, -6, 1, -8, -3, -10, 4, -7}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {750, 10, 734, {{2, 5, 9, -6, 1, -8, -3, -10, 4, -7}, {2, 5, -8, 7, 1, 4, -9, 10, -6, -3}, Reidemeister 3}} → True
- » {751, 10, 735, {{2, 5, 9, -6, 1, -8, -3, 10, -4, 7}, {2, 4, -6, 1, -8, -3, -9, -5, -10, -7}, 2-Pass}} → True

- » {752, 10, 736, {{2, 5, 9, -6, 1, -8, -3, 10, -4, 7}, {2, 4, 6, 1, -8, 3, 9, 10, -5, 7}, 2-Pass}} → True
- » {753, 10, 737, {{2, 5, 9, -6, 1, -8, -3, 10, -4, 7}, {2, 5, 7, -6, 1, -8, -9, 10, -4, -3}, Reidemeister 3}} → True
- » {754, 10, 738, {{2, 5, 9, -6, 1, -8, -3, 10, -4, 7}, {2, 5, -7, -9, 1, 8, 4, -10, 6, -3}, Flype}} → True
- » {755, 10, 739, {{2, 5, 9, -6, 1, 8, -3, 10, 4, 7}, {2, 5, 7, -6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {756, 10, 740, {{2, 5, 9, -6, 1, 8, -3, 10, 4, 7}, {2, 5, 7, -9, 1, 8, 4, 10, 6, -3}, Flype}} → True
- » {757, 10, 741, {{2, 5, 9, -6, 1, 8, -3, 10, 4, 7}, {2, 5, -8, 7, 1, 4, 9, -10, 6, -3}, Reidemeister 3}} → True
- » {758, 10, 742, {{2, 5, 9, 6, 1, 8, 3, -10, 4, -7}, {2, 5, -7, 6, 1, 8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {759, 10, 743, {{2, 5, 9, 6, 1, 8, 3, -10, 4, -7}, {2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, 2-Pass}} → True
- » {760, 10, 744, {{2, 5, 9, 6, 1, 8, 3, -10, 4, -7}, {2, 5, 7, 9, 1, -8, 4, 10, -6, 3}, Flype}} → True
- » {761, 10, 745, {{2, 5, -9, -8, 1, -7, -10, -4, -3, -6}, {2, 5, -7, -8, 1, 9, 10, -4, -3, 6}, 2-Pass}} → True
- » {762, 10, 746, {{2, 5, -9, -8, 1, -7, -10, -4, -3, -6}, {2, 5, -8, -7, 1, -9, -4, -3, -10, -6}, Flype}} → True
- » {763, 10, 747, {{2, 5, -9, -8, 1, 7, 10, -4, -3, 6}, {2, 5, 7, 8, 1, -9, -10, 4, 3, -6}, 2-Pass}} → True
- » {764, 10, 748, {{2, 5, -9, -8, 1, 7, 10, -4, -3, 6}, {2, 5, -8, -7, 1, 9, -4, -3, 10, 6}, Flype}} → True
- » {765, 10, 749, {{2, 5, 10, -6, 1, -8, -9, -3, -4, -7}, {2, 5, 7, -6, 1, -8, -9, 10, -4, -3}, Reidemeister 3}} → True
- » {766, 10, 750, {{2, 5, 10, -6, 1, -8, -9, -3, -4, -7}, {2, 5, -7, -8, 1, 4, -9, -10, -6, -3}, Flype}} → True
- » {767, 10, 751, {{2, 5, 10, -6, 1, -8, 9, -3, 4, 7}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {768, 10, 752, {{2, 5, 10, -6, 1, -8, 9, -3, 4, 7}, {2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, Flype}} → True
- » {769, 10, 753, {{2, 5, 10, -6, 1, -8, 9, -3, 4, 7}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, Reidemeister 3}} → True
- » {770, 10, 754, {{2, 5, 10, -6, 1, -8, 9, -3, 4, 7}, {2, 5, -8, 7, 1, 4, -9, 10, -6, -3}, 2-Pass}} → True
- » {771, 10, 755, {{2, 5, 10, -6, 1, -8, 9, 3, -4, 7}, {2, 5, -7, 8, 1, 4, 9, -10, 6, -3}, Flype}} → True
- » {772, 10, 756, {{2, 5, 10, -6, 1, 8, -9, -3, 4, -7}, {2, 5, 7, -6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {773, 10, 757, {{2, 5, 10, -6, 1, 8, -9, -3, 4, -7}, {2, 5, 7, -8, 1, 4, -9, 10, -6, -3}, Flype}} → True
- » {774, 10, 758, {{2, 5, 10, -6, 1, 8, -9, -3, 4, -7}, {2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, Reidemeister 3}} → True
- » {775, 10, 759, {{2, 5, 10, -6, 1, 8, -9, 3, -4, -7}, {2, 5, -7, -6, 1, 8, -9, 10, -4, -3}, Reidemeister 3}} → True
- » {776, 10, 760, {{2, 5, 10, -6, 1, 8, -9, 3, -4, -7}, {2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, Flype}} → True
- » {777, 10, 761, {{2, 5, 10, -6, 1, 8, -9, 3, -4, -7}, {2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, Reidemeister 3}} → True
- » {778, 10, 762, {{2, 5, 10, -6, 1, 8, -9, 3, -4, -7}, {2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, 2-Pass}} → True



- » {779, 10, 763,  
  {{2, 5, 10, 6, 1, 8, -9, 3, 4, -7}, {2, 5, -7, 6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {780, 10, 764, {{2, 5, 10, 6, 1, 8, -9, 3, 4, -7}, {2, 5, 7, 8, 1, 4, -9, 10, -6, 3}, Flype}} → True
- » {781, 10, 765,  
  {{2, 5, 10, -6, 1, -8, -9, -4, -3, -7}, {2, 5, -8, -7, 1, 4, -9, -10, -6, -3}, Flype}} → True
- » {782, 10, 766,  
  {{2, 5, 10, -6, 1, -8, 9, -4, 3, 7}, {2, 4, -6, 1, -7, -9, -3, -10, -5, -8}, 2-Pass}} → True
- » {783, 10, 767, {{2, 5, 10, -6, 1, -8, 9, -4, 3, 7}, {2, 5, -8, 7, 1, 4, 9, -10, 6, -3}, Flype}} → True
- » {784, 10, 768, {{2, 5, 10, -6, 1, -8, 9, 4, -3, 7}, {2, 5, -7, 8, 1, 4, -9, 10, -6, -3}, 2-Pass}} → True
- » {785, 10, 769, {{2, 5, 10, -6, 1, -8, 9, 4, -3, 7}, {2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, 2-Pass}} → True
- » {786, 10, 770, {{2, 5, 10, -6, 1, -8, 9, 4, -3, 7}, {2, 5, 8, -7, 1, 4, 9, -10, 6, -3}, Flype}} → True
- » {787, 10, 771, {{2, 5, 10, -6, 1, 8, -9, -4, 3, -7}, {2, 5, 7, -8, 1, 4, 9, -10, 6, -3}, 2-Pass}} → True
- » {788, 10, 772, {{2, 5, 10, -6, 1, 8, -9, -4, 3, -7}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {789, 10, 773, {{2, 5, 10, -6, 1, 8, -9, -4, 3, -7}, {2, 5, -8, 7, 1, 4, -9, 10, -6, -3}, Flype}} → True
- » {790, 10, 774, {{2, 5, 10, -6, 1, 8, -9, 4, -3, -7}, {2, 4, -6, 1, 7, 9, -3, 10, 5, 8}, 2-Pass}} → True
- » {791, 10, 775, {{2, 5, 10, -6, 1, 8, -9, 4, -3, -7}, {2, 5, 8, -7, 1, 4, -9, 10, -6, -3}, Flype}} → True
- » {792, 10, 776, {{2, 5, 10, 6, 1, 8, -9, 4, 3, -7}, {2, 5, 8, 7, 1, 4, -9, 10, -6, 3}, Flype}} → True
- » {793, 10, 777,  
  {{2, 5, 10, -7, 1, -8, -9, -3, -6, 4}, {2, 4, -6, 1, -8, -3, -10, -9, -5, -7}, 2-Pass}} → True
- » {794, 10, 778,  
  {{2, 5, 10, -7, 1, -8, -9, -3, -6, 4}, {2, 5, 6, -8, 1, 4, -9, -10, -3, -7}, Flype}} → True
- » {795, 10, 779, {{2, 5, 10, -7, 1, -8, -9, -3, -6, 4}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {796, 10, 780, {{2, 5, 10, -7, 1, 8, 9, -3, 6, 4}, {2, 5, 6, -8, 1, 4, 9, 10, -3, 7}, Flype}} → True
- » {797, 10, 781, {{2, 5, 10, -7, 1, 8, 9, -3, 6, 4}, {2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, 2-Pass}} → True
- » {798, 10, 782, {{2, 5, 10, 7, 1, -8, -9, 3, -6, 4}, {2, 4, 6, 1, -8, 3, -10, -9, -5, -7}, 2-Pass}} → True
- » {799, 10, 783, {{2, 5, 10, 7, 1, -8, -9, 3, -6, 4}, {2, 5, 6, 8, 1, 4, -9, -10, 3, -7}, Flype}} → True
- » {800, 10, 784,  
  {{2, 5, 10, -7, 1, -8, -9, -4, -6, 3}, {2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, Flype}} → True
- » {801, 10, 785,  
  {{2, 5, 10, -7, 1, 8, 9, -4, 6, 3}, {2, 4, -6, 1, -8, -3, -10, -9, -5, -7}, 2-Pass}} → True
- » {802, 10, 786, {{2, 5, 10, -7, 1, 8, 9, -4, 6, 3}, {2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, 2-Pass}} → True
- » {803, 10, 787, {{2, 5, 10, -7, 1, 8, 9, -4, 6, 3}, {2, 5, -7, -9, 1, 8, 10, -4, 6, -3}, 2-Pass}} → True
- » {804, 10, 788, {{2, 5, 10, -7, 1, 8, 9, -4, 6, 3}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, Flype}} → True
- » {805, 10, 789, {{2, 5, 10, 7, 1, -8, -9, 4, -6, 3}, {2, 4, -6, 1, 8, -3, 10, 9, 5, 7}, 2-Pass}} → True
- » {806, 10, 790, {{2, 5, 10, 7, 1, -8, -9, 4, -6, 3}, {2, 5, -7, -9, 1, 8, -4, 10, 6, -3}, 2-Pass}} → True
- » {807, 10, 791, {{2, 5, 10, 7, 1, -8, -9, 4, -6, 3}, {2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, 2-Pass}} → True
- » {808, 10, 792, {{2, 5, 10, 7, 1, -8, -9, 4, -6, 3}, {2, 5, 8, 6, 1, 4, -9, -10, 3, -7}, Flype}} → True
- » {809, 10, 793,  
  {{2, 5, 10, -8, 1, 3, 9, -4, 6, 7}, {2, 4, -6, 1, -7, -9, -3, -10, -5, -8}, 2-Pass}} → True

- » {810, 10, 794, {{2, 5, 10, 8, 1, 3, -9, 4, -6, -7}, {2, 4, -6, 1, 7, 9, -3, 10, 5, 8}, 2-Pass}} → True
- » {811, 10, 795, {{2, 5, 10, -9, 1, -8, -3, -4, -6, -7}, {2, 5, 7, -9, 1, -8, 10, -4, -6, -3}, Reidemeister 3}} → True
- » {812, 10, 796, {{2, 5, 10, -9, 1, -8, -3, 4, -6, 7}, {2, 5, -7, 6, 1, 8, -9, 10, 4, -3}, 2-Pass}} → True
- » {813, 10, 797, {{2, 5, 10, -9, 1, -8, -3, 4, -6, 7}, {2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, Reidemeister 3}} → True
- » {814, 10, 798, {{2, 5, 10, -9, 1, 8, -3, 4, 6, -7}, {2, 5, 7, -9, 1, 8, 10, 4, 6, -3}, Reidemeister 3}} → True
- » {815, 10, 799, {{2, 5, 10, -9, 1, 8, 3, -4, 6, -7}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, 2-Pass}} → True
- » {816, 10, 800, {{2, 5, 10, -9, 1, 8, 3, -4, 6, -7}, {2, 5, -7, -9, 1, 8, 10, -4, 6, -3}, Reidemeister 3}} → True
- » {817, 10, 801, {{2, 5, 10, 9, 1, -8, 3, 4, -6, 7}, {2, 5, -7, -6, 1, 8, -9, 10, -4, -3}, 2-Pass}} → True
- » {818, 10, 802, {{2, 5, 10, -9, 1, -8, -4, -3, -6, -7}, {2, 5, 7, -9, 1, -8, -4, 10, -6, -3}, Reidemeister 3}} → True
- » {819, 10, 803, {{2, 5, 10, -9, 1, -8, -4, 3, -6, 7}, {2, 4, -6, 1, 7, 9, -3, 10, 5, 8}, 2-Pass}} → True
- » {820, 10, 804, {{2, 5, 10, -9, 1, -8, -4, 3, -6, 7}, {2, 4, 6, 1, -8, 3, -10, -9, -5, -7}, Reidemeister 3}} → True
- » {821, 10, 805, {{2, 5, 10, -9, 1, -8, 4, -3, -6, 7}, {2, 4, -6, 1, -8, -3, -10, -9, -5, -7}, Reidemeister 3}} → True
- » {822, 10, 806, {{2, 5, 10, -9, 1, -8, 4, -3, -6, 7}, {2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, Reidemeister 3}} → True
- » {823, 10, 807, {{2, 5, 10, -9, 1, -8, 4, -3, -6, 7}, {2, 5, -8, 6, 1, 4, 9, 10, -3, 7}, 2-Pass}} → True
- » {824, 10, 808, {{2, 5, 10, -9, 1, 8, -4, 3, 6, -7}, {2, 4, 6, 1, -7, -9, 3, -10, -5, -8}, 2-Pass}} → True
- » {825, 10, 809, {{2, 5, 10, -9, 1, 8, -4, 3, 6, -7}, {2, 4, -6, 1, 8, -3, 10, 9, 5, 7}, Reidemeister 3}} → True
- » {826, 10, 810, {{2, 5, 10, -9, 1, 8, -4, 3, 6, -7}, {2, 5, -7, -9, 1, 8, -4, 10, 6, -3}, Reidemeister 3}} → True
- » {827, 10, 811, {{2, 5, 10, -9, 1, 8, 4, -3, 6, -7}, {2, 5, 7, -9, 1, 8, 4, 10, 6, -3}, Reidemeister 3}} → True
- » {828, 10, 812, {{2, 5, 10, -9, 1, 8, 4, -3, 6, -7}, {2, 5, -8, 6, 1, 4, -9, -10, -3, -7}, 2-Pass}} → True
- » {829, 10, 813, {{2, 6, -4, -8, -10, -9, 1, -3, -7, -5}, {2, 5, -7, -6, -9, 1, -3, -10, -4, -8}, Flype}} → True
- » {830, 10, 814, {{2, 6, -4, -8, 10, 9, 1, -3, -7, 5}, {2, 5, 7, 6, -9, 1, 3, -10, -4, -8}, Flype}} → True
- » {831, 10, 815, {{2, 6, -4, -8, 10, 9, 1, -3, -7, 5}, {2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, 2-Pass}} → True
- » {832, 10, 816, {{2, 6, 4, 8, -10, -9, 1, 3, 7, -5}, {2, 5, -7, -6, 9, 1, -3, 10, 4, 8}, Flype}} → True
- » {833, 10, 817, {{2, 6, 4, 8, -10, -9, 1, 3, 7, -5}, {2, 5, -7, -9, 1, 8, -3, 10, -4, -6}, 2-Pass}} → True
- » {834, 10, 818, {{2, 6, -8, -5, -9, 1, 10, -3, -7, -4}, {2, 5, -7, -6, 9, 1, -8, -3, 10, 4}, Flype}} → True
- » {835, 10, 819, {{2, 6, -8, 5, 9, 1, 10, -3, -7, 4}, {2, 5, 7, 6, -9, 1, 8, 3, -10, -4}, Flype}} → True
- » {836, 10, 820, {{2, 6, 8, -5, -9, 1, 10, 3, 7, -4}, {2, 5, -7, -6, -9, 1, -8, -3, -10, -4}, Flype}} → True

- » {837, 10, 823,  
  {{2, 6, -8, 7, -9, 1, 4, 10, -5, -3}, {2, 5, -7, -6, -9, 1, -3, -10, -4, -8}, Reidemeister 3}} → True
- » {838, 10, 824,  
  {{2, 6, -8, 7, -9, 1, 4, 10, -5, -3}, {2, 5, -7, -10, -9, 1, -8, -3, -6, -4}, 2-Pass}} → True
- » {839, 10, 826, {{2, 6, -8, 7, 9, 1, 4, -10, 5, -3}, {2, 5, -8, -6, 1, 9, -3, -10, 4, -7}, 2-Pass}} → True
- » {840, 10, 827, {{2, 6, -8, 7, 9, 1, 4, -10, 5, -3}, {2, 5, 9, -6, 1, -8, -3, 10, -4, 7}, 2-Pass}} → True
- » {841, 10, 829,  
  {{2, 6, 8, -7, -9, 1, -4, 10, -5, -3}, {2, 5, 7, 6, -9, 1, 3, -10, -4, -8}, Reidemeister 3}} → True
- » {842, 10, 830, {{2, 6, 8, -7, -9, 1, -4, 10, -5, -3}, {2, 5, -7, 9, 8, 1, -3, -6, 10, 4}, 2-Pass}} → True
- » {843, 10, 831, {{2, 6, 8, -7, -9, 1, -4, 10, -5, -3}, {2, 5, 9, 6, 1, 8, 3, -10, 4, -7}, 2-Pass}} → True
- » {844, 10, 833,  
  {{2, 6, 8, -7, 9, 1, -4, -10, 5, -3}, {2, 5, -7, -6, 9, 1, -3, 10, 4, 8}, Reidemeister 3}} → True
- » {845, 10, 834, {{2, 6, 8, -7, 9, 1, -4, -10, 5, -3}, {2, 5, 7, -9, -8, 1, 3, 6, -10, -4}, 2-Pass}} → True
- » {846, 10, 835, {{2, 6, 8, -7, 9, 1, -4, -10, 5, -3}, {2, 5, 7, -10, -9, 1, 8, 3, 6, -4}, 2-Pass}} → True
- » {847, 10, 836, {{2, 6, 8, -7, 9, 1, -4, -10, 5, -3}, {2, 5, 8, 6, 1, 9, 3, -10, 4, -7}, 2-Pass}} → True
- » {848, 10, 839, {{2, 6, 8, 7, -9, 1, 4, 10, -5, 3}, {2, 5, 8, -6, 1, -9, -3, 10, -4, 7}, 2-Pass}} → True
- » {849, 10, 840, {{2, 6, 8, 7, -9, 1, 4, 10, -5, 3}, {2, 5, -9, -6, 1, 8, -3, -10, 4, -7}, 2-Pass}} → True
- » {850, 10, 842,  
  {{2, 6, -8, -7, -9, 1, 10, -3, -5, -4}, {2, 5, -7, -6, -9, 1, -3, -10, -4, -8}, 2-Pass}} → True
- » {851, 10, 843,  
  {{2, 6, -8, -7, -9, 1, 10, -3, -5, -4}, {2, 6, -4, -8, -10, -9, 1, -3, -7, -5}, 2-Pass}} → True
- » {852, 10, 844,  
  {{2, 6, -8, -7, -9, 1, 10, -3, -5, -4}, {2, 6, -8, 7, -9, 1, 4, 10, -5, -3}, 2-Pass}} → True
- » {853, 10, 846,  
  {{2, 6, -8, -7, 9, 1, 10, -3, 5, 4}, {2, 5, -7, -6, -9, 1, -8, -3, -10, -4}, 2-Pass}} → True
- » {854, 10, 847, {{2, 6, -8, -7, 9, 1, 10, -3, 5, 4}, {2, 5, 7, -9, 1, -8, 3, 10, -4, -6}, 2-Pass}} → True
- » {855, 10, 848, {{2, 6, -8, -7, 9, 1, 10, -3, 5, 4}, {2, 5, 7, -9, 1, 10, 3, 6, -4, -8}, 2-Pass}} → True
- » {856, 10, 849, {{2, 6, -8, -7, 9, 1, 10, -3, 5, 4}, {2, 6, -4, -8, 10, 9, 1, -3, -7, 5}, 2-Pass}} → True
- » {857, 10, 851, {{2, 6, 8, 7, -9, 1, 10, 3, -5, -4}, {2, 5, 7, 6, -9, 1, 3, -10, -4, -8}, 2-Pass}} → True
- » {858, 10, 852, {{2, 6, 8, 7, -9, 1, 10, 3, -5, -4}, {2, 5, 7, 6, -9, 1, 8, 3, -10, -4}, 2-Pass}} → True
- » {859, 10, 853, {{2, 6, 8, 7, -9, 1, 10, 3, -5, -4}, {2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, 2-Pass}} → True
- » {860, 10, 854, {{2, 6, 8, 7, -9, 1, 10, 3, -5, -4}, {2, 5, -7, 9, 1, 10, -3, -6, 4, 8}, 2-Pass}} → True
- » {861, 10, 855, {{2, 6, 8, 7, -9, 1, 10, 3, -5, -4}, {2, 6, 8, -7, -9, 1, -4, 10, -5, -3}, 2-Pass}} → True
- » {862, 10, 856, {{2, 6, 8, 7, -9, 1, 10, 3, -5, -4}, {2, 6, -8, -7, 9, 1, 10, -3, 5, 4}, Flype}} → True
- » {863, 10, 858,  
  {{2, 6, -8, -10, -7, 1, -9, -3, -5, -4}, {2, 6, -8, -7, -9, 1, -4, -10, -5, -3}, Flype}} → True
- » {864, 10, 859, {{2, 6, -8, -10, -7, 1, 9, -3, 5, -4}, {2, 5, 7, 9, 1, -8, 4, 10, -6, 3}, 2-Pass}} → True
- » {865, 10, 860,  
  {{2, 6, -8, -10, -7, 1, 9, -3, 5, -4}, {2, 6, 8, -7, -9, 1, -4, 10, -5, -3}, Flype}} → True

- » {866, 10, 861, {{2, 6, -8, -10, -7, 1, 9, -3, 5, -4}, {2, 6, -8, -7, 9, 1, 10, -3, 5, 4}, 2-Pass}} → True
- » {867, 10, 862, {{2, 6, -8, 10, -7, 1, -9, -3, -5, 4}, {2, 6, -8, 7, -9, 1, 4, -10, -5, -3}, Flype}} → True
- » {868, 10, 863, {{2, 6, -8, 10, -7, 1, 9, -3, -5, 4}, {2, 6, -8, 7, -9, 1, 4, 10, -5, -3}, Flype}} → True
- » {869, 10, 864, {{2, 6, -8, 10, -7, 1, 9, -3, -5, 4}, {2, 6, -8, -7, -9, 1, 10, -3, -5, -4}, 2-Pass}} → True
- » {870, 10, 865, {{2, 6, -8, 10, 7, 1, 9, -3, 5, 4}, {2, 5, 7, -9, 1, -8, -4, 10, -6, -3}, 2-Pass}} → True
- » {871, 10, 866, {{2, 6, -8, 10, 7, 1, 9, -3, 5, 4}, {2, 5, -7, -9, 1, 8, -10, 4, 6, -3}, 2-Pass}} → True
- » {872, 10, 867, {{2, 6, -8, 10, 7, 1, 9, -3, 5, 4}, {2, 6, 8, 7, -9, 1, 4, 10, -5, 3}, Flype}} → True
- » {873, 10, 868, {{2, 6, 8, -10, -7, 1, -9, 3, 5, -4}, {2, 5, 7, 9, 1, -8, 10, 4, -6, 3}, 2-Pass}} → True
- » {874, 10, 869, {{2, 6, 8, -10, -7, 1, -9, 3, 5, -4}, {2, 6, 8, -7, 9, 1, -4, -10, 5, -3}, Flype}} → True
- » {875, 10, 870, {{2, 6, 8, -10, 7, 1, 9, 3, 5, -4}, {2, 6, 8, -7, 9, 1, -4, 10, 5, 3}, Flype}} → True
- » {876, 10, 871, {{2, 6, 8, 10, -7, 1, -9, 3, -5, 4}, {2, 5, -7, -9, 1, 8, 4, -10, 6, -3}, 2-Pass}} → True
- » {877, 10, 872, {{2, 6, 8, 10, -7, 1, -9, 3, -5, 4}, {2, 5, 7, -9, 1, -8, 10, -4, -6, -3}, 2-Pass}} → True
- » {878, 10, 873, {{2, 6, 8, 10, -7, 1, -9, 3, -5, 4}, {2, 6, -8, 7, 9, 1, 4, -10, 5, -3}, Flype}} → True
- » {879, 10, 875, {{2, 6, -8, -10, 9, 1, 4, -3, 5, -7}, {2, 5, 7, -6, 1, -8, 9, 10, -4, 3}, 2-Pass}} → True
- » {880, 10, 876, {{2, 6, -8, -10, 9, 1, 4, -3, 5, -7}, {2, 5, -7, -6, -9, 1, -8, -3, -10, -4}, 2-Pass}} → True
- » {881, 10, 877, {{2, 6, -8, -10, 9, 1, 4, -3, 5, -7}, {2, 6, -4, -8, 10, 9, 1, -3, -7, 5}, 2-Pass}} → True
- » {882, 10, 878, {{2, 6, -8, -10, 9, 1, 4, -3, 5, -7}, {2, 6, -8, -7, 9, 1, 10, -3, 5, 4}, Reidemeister 3}} → True
- » {883, 10, 879, {{2, 6, -8, -10, 9, 1, 4, -3, 5, -7}, {2, 6, -8, -10, -7, 1, 9, -3, 5, -4}, Reidemeister 3}} → True
- » {884, 10, 881, {{2, 6, -8, 10, -9, 1, 4, -3, -5, -7}, {2, 5, -7, -6, -9, 1, -3, -10, -4, -8}, 2-Pass}} → True
- » {885, 10, 882, {{2, 6, -8, 10, -9, 1, 4, -3, -5, -7}, {2, 6, -4, -8, -10, -9, 1, -3, -7, -5}, 2-Pass}} → True
- » {886, 10, 883, {{2, 6, -8, 10, -9, 1, 4, -3, -5, -7}, {2, 6, -8, 7, -9, 1, 4, 10, -5, -3}, Reidemeister 3}} → True
- » {887, 10, 884, {{2, 6, -8, 10, -9, 1, 4, -3, -5, -7}, {2, 6, -8, -7, -9, 1, 10, -3, -5, -4}, Reidemeister 3}} → True
- » {888, 10, 885, {{2, 6, -8, 10, -9, 1, 4, -3, -5, -7}, {2, 6, -8, 10, -7, 1, 9, -3, -5, 4}, Reidemeister 3}} → True
- » {889, 10, 887, {{2, 6, -8, 10, -9, 1, 4, -3, -5, 7}, {2, 6, -8, 7, -9, 1, 4, -10, -5, -3}, Reidemeister 3}} → True
- » {890, 10, 888, {{2, 6, -8, 10, -9, 1, 4, -3, -5, 7}, {2, 6, -8, 10, -7, 1, -9, -3, -5, 4}, Reidemeister 3}} → True
- » {891, 10, 890, {{2, 6, -8, 10, 9, 1, 4, -3, 5, 7}, {2, 5, 7, -6, 1, -8, -9, 10, -4, -3}, 2-Pass}} → True
- » {892, 10, 891, {{2, 6, -8, 10, 9, 1, 4, -3, 5, 7}, {2, 6, -8, 7, 9, 1, 4, -10, 5, -3}, Reidemeister 3}} → True

- » {893, 10, 893,  
  {{2, 6, 8, -10, 9, 1, -4, 3, 5, -7}, {2, 6, 8, -7, 9, 1, -4, 10, 5, 3}, Reidemeister 3}} → True
- » {894, 10, 894,  
  {{2, 6, 8, -10, 9, 1, -4, 3, 5, -7}, {2, 6, 8, -10, 7, 1, 9, 3, 5, -4}, Reidemeister 3}} → True
- » {895, 10, 896, {{2, 6, 8, 10, -9, 1, -4, 3, -5, -7}, {2, 5, -7, 6, 1, 8, 9, -10, 4, -3}, 2-Pass}} → True
- » {896, 10, 897, {{2, 6, 8, 10, -9, 1, -4, 3, -5, -7}, {2, 5, 7, 6, -9, 1, 3, -10, -4, -8}, 2-Pass}} → True
- » {897, 10, 898, {{2, 6, 8, 10, -9, 1, -4, 3, -5, -7}, {2, 5, 7, 6, -9, 1, 8, 3, -10, -4}, 2-Pass}} → True
- » {898, 10, 899,  
  {{2, 6, 8, 10, -9, 1, -4, 3, -5, -7}, {2, 6, 8, -7, -9, 1, -4, 10, -5, -3}, Reidemeister 3}} → True
- » {899, 10, 900,  
  {{2, 6, 8, 10, -9, 1, -4, 3, -5, -7}, {2, 6, 8, 7, -9, 1, 10, 3, -5, -4}, Reidemeister 3}} → True
- » {900, 10, 901, {{2, 6, 8, 10, -9, 1, -4, 3, -5, -7}, {2, 6, -8, -10, 9, 1, 4, -3, 5, -7}, Flype}} → True
- » {901, 10, 903, {{2, 6, 8, 10, -9, 1, 4, 3, -5, 7}, {2, 5, -7, -6, 1, 8, -9, -10, 4, -3}, 2-Pass}} → True
- » {902, 10, 904,  
  {{2, 6, 8, 10, -9, 1, 4, 3, -5, 7}, {2, 6, 8, 10, -7, 1, -9, 3, -5, 4}, Reidemeister 3}} → True
- » {903, 10, 905, {{2, 6, 8, 10, -9, 1, 4, 3, -5, 7}, {2, 6, -8, 10, 9, 1, 4, -3, 5, 7}, Flype}} → True
- » {904, 10, 912, {{3, -4, 5, -7, 8, 9, 10, -1, 2, 6}, {3, -4, 5, -7, -8, 9, 10, -1, -2, 6}, 2-Pass}} → True
- » {905, 10, 923,  
  {{3, 4, -6, 1, -8, -2, -9, -10, -5, -7}, {2, 4, -6, 1, 8, -3, 9, 10, 5, 7}, 2-Pass}} → True
- » {906, 10, 924,  
  {{3, 4, -6, 1, -8, -2, -9, -10, -5, -7}, {2, 4, -9, 1, 7, 8, 10, 5, -3, 6}, 2-Pass}} → True
- » {907, 10, 926,  
  {{3, 4, -6, 1, 8, -2, 9, 10, 5, 7}, {2, 4, -6, 1, -8, -3, -9, -10, -5, -7}, 2-Pass}} → True
- » {908, 10, 927,  
  {{3, 4, -6, 1, 8, -2, 9, 10, 5, 7}, {2, 4, -9, 1, -7, -8, -10, -5, -3, -6}, 2-Pass}} → True
- » {909, 10, 930,  
  {{3, 4, -7, 1, -8, -9, -2, -10, -5, -6}, {2, 4, -7, 1, 8, 9, -3, 10, 5, 6}, 2-Pass}} → True
- » {910, 10, 931,  
  {{3, 4, -7, 1, -8, -9, -2, -10, -5, -6}, {2, 4, 7, 1, -8, -9, -10, 3, -5, -6}, 2-Pass}} → True
- » {911, 10, 932,  
  {{3, 4, -7, 1, -8, -9, -2, -10, -5, -6}, {2, 4, -8, 1, 7, 9, 10, -3, 5, 6}, 2-Pass}} → True
- » {912, 10, 934,  
  {{3, 4, -7, 1, 8, 9, -2, 10, 5, 6}, {2, 4, -7, 1, -8, -9, -3, -10, -5, -6}, 2-Pass}} → True
- » {913, 10, 935,  
  {{3, 4, -7, 1, 8, 9, -2, 10, 5, 6}, {2, 4, -8, 1, -7, -9, -10, -3, -5, -6}, 2-Pass}} → True
- » {914, 10, 937,  
  {{3, 4, 7, 1, -8, -9, 2, -10, -5, -6}, {2, 4, -7, 1, -8, -9, -10, -3, -5, -6}, 2-Pass}} → True
- » {915, 10, 939,  
  {{3, 4, -7, 1, -8, -9, -2, -10, -6, -5}, {2, 4, -7, 1, 8, 9, -3, 10, 6, 5}, 2-Pass}} → True
- » {916, 10, 940,  
  {{3, 4, -7, 1, -8, -9, -2, -10, -6, -5}, {2, 4, 7, 1, -8, -9, -10, 3, -6, -5}, 2-Pass}} → True

- » {917, 10, 941, {{3, 4, -7, 1, -8, -9, -2, -10, -6, -5}, {2, 4, -8, 1, 7, 9, 10, -3, 6, 5}, 2-Pass}} → True
- » {918, 10, 943, {{3, 4, -7, 1, 8, 9, -2, 10, 6, 5}, {2, 4, -7, 1, -8, -9, -3, -10, -6, -5}, 2-Pass}} → True
- » {919, 10, 944, {{3, 4, -7, 1, 8, 9, -2, 10, 6, 5}, {2, 4, -8, 1, -7, -9, -10, -3, -6, -5}, 2-Pass}} → True
- » {920, 10, 946, {{3, 4, 7, 1, -8, -9, 2, -10, -6, -5}, {2, 4, -7, 1, -8, -9, -10, -3, -6, -5}, 2-Pass}} → True
- » {921, 10, 948, {{3, 4, -7, 1, -8, -9, -10, -2, -5, -6}, {2, 4, 7, 1, -8, -9, 3, -10, -5, -6}, 2-Pass}} → True
- » {922, 10, 949, {{3, 4, -7, 1, -8, -9, -10, -2, -5, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 5, 6}, 2-Pass}} → True
- » {923, 10, 951, {{3, 4, -7, 1, 8, 9, 10, -2, 5, 6}, {2, 4, -7, 1, -8, -9, -10, -3, -5, -6}, 2-Pass}} → True
- » {924, 10, 952, {{3, 4, -7, 1, 8, 9, 10, -2, 5, 6}, {3, 4, 7, 1, -8, -9, 2, -10, -5, -6}, 2-Pass}} → True
- » {925, 10, 954, {{3, 4, 7, 1, -8, -9, -10, 2, -5, -6}, {2, 4, -7, 1, -8, -9, -3, -10, -5, -6}, 2-Pass}} → True
- » {926, 10, 955, {{3, 4, 7, 1, -8, -9, -10, 2, -5, -6}, {3, 4, -7, 1, 8, 9, -2, 10, 5, 6}, 2-Pass}} → True
- » {927, 10, 957, {{3, 4, -7, 1, -8, -9, -10, -2, -6, -5}, {2, 4, 7, 1, -8, -9, 3, -10, -6, -5}, 2-Pass}} → True
- » {928, 10, 958, {{3, 4, -7, 1, -8, -9, -10, -2, -6, -5}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, 2-Pass}} → True
- » {929, 10, 960, {{3, 4, -7, 1, 8, 9, 10, -2, 6, 5}, {2, 4, -7, 1, -8, -9, -10, -3, -6, -5}, 2-Pass}} → True
- » {930, 10, 962, {{3, 4, 7, 1, -8, -9, -10, 2, -6, -5}, {2, 4, -7, 1, -8, -9, -3, -10, -6, -5}, 2-Pass}} → True
- » {931, 10, 964, {{3, 4, -7, 1, -8, -10, -9, -2, -5, -6}, {3, 4, -7, 1, -8, -9, -10, -2, -6, -5}, Flype}} → True
- » {932, 10, 965, {{3, 4, -7, 1, 8, 10, 9, -2, 5, 6}, {3, 4, 7, 1, -8, -9, 2, -10, -6, -5}, 2-Pass}} → True
- » {933, 10, 966, {{3, 4, -7, 1, 8, 10, 9, -2, 5, 6}, {3, 4, -7, 1, 8, 9, 10, -2, 6, 5}, Flype}} → True
- » {934, 10, 967, {{3, 4, 7, 1, -8, -10, -9, 2, -5, -6}, {3, 4, -7, 1, 8, 9, -2, 10, 6, 5}, 2-Pass}} → True
- » {935, 10, 968, {{3, 4, 7, 1, -8, -10, -9, 2, -5, -6}, {3, 4, 7, 1, -8, -9, -10, 2, -6, -5}, Flype}} → True
- » {936, 10, 969, {{3, 4, -7, 1, -9, -8, -2, -10, -5, -6}, {3, 4, -7, 1, -8, -9, -2, -10, -6, -5}, Flype}} → True
- » {937, 10, 970, {{3, 4, -7, 1, 9, 8, -2, 10, 5, 6}, {3, 4, -7, 1, 8, 9, -2, 10, 6, 5}, Flype}} → True
- » {938, 10, 971, {{3, 4, -7, 1, 9, 8, -2, 10, 5, 6}, {3, 4, 7, 1, -8, -9, -10, 2, -6, -5}, 2-Pass}} → True
- » {939, 10, 972, {{3, 4, 7, 1, -9, -8, 2, -10, -5, -6}, {3, 4, 7, 1, -8, -9, 2, -10, -6, -5}, Flype}} → True
- » {940, 10, 973, {{3, 4, 7, 1, -9, -8, 2, -10, -5, -6}, {3, 4, -7, 1, 8, 9, 10, -2, 6, 5}, 2-Pass}} → True
- » {941, 10, 974, {{3, -4, -7, 8, -2, -9, -10, 1, -5, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 5, 6}, Reidemeister 3}} → True

- » {942, 10, 975,  
  {{3, -4, -7, 8, -2, -9, -10, 1, -5, -6}, {2, 4, 8, 1, -7, -9, -10, 3, -5, -6}, 2-Pass}} → True
- » {943, 10, 976,  
  {{3, -4, -7, 8, -2, -9, -10, 1, -5, -6}, {3, 4, -7, 1, -8, -9, -10, -2, -5, -6}, 2-Pass}} → True
- » {944, 10, 978,  
  {{3, -4, -7, 8, -2, 9, 10, -1, 5, 6}, {2, 4, -7, 1, -8, -9, -10, -3, -5, -6}, Reidemeister 3}} → True
- » {945, 10, 979,  
  {{3, -4, -7, 8, -2, 9, 10, -1, 5, 6}, {3, 4, 7, 1, -8, -9, 2, -10, -5, -6}, Reidemeister 3}} → True
- » {946, 10, 980, {{3, -4, -7, 8, -2, 9, 10, -1, 5, 6}, {3, 4, -7, 1, 8, 9, 10, -2, 5, 6}, 2-Pass}} → True
- » {947, 10, 982,  
  {{3, -4, 7, -8, -2, -9, -10, 1, -5, -6}, {2, 4, -8, 1, -7, -9, -10, -3, -5, -6}, 2-Pass}} → True
- » {948, 10, 983,  
  {{3, -4, 7, -8, -2, -9, -10, 1, -5, -6}, {3, 4, -7, 1, 8, 9, -2, 10, 5, 6}, Reidemeister 3}} → True
- » {949, 10, 984,  
  {{3, -4, 7, -8, -2, -9, -10, 1, -5, -6}, {3, 4, 7, 1, -8, -9, -10, 2, -5, -6}, 2-Pass}} → True
- » {950, 10, 987,  
  {{3, -4, 7, -8, -2, 9, 10, -1, 5, 6}, {2, 4, 7, 1, -8, -9, -10, 3, -5, -6}, Reidemeister 3}} → True
- » {951, 10, 988, {{3, -4, 7, -8, -2, 9, 10, -1, 5, 6}, {2, 4, -8, 1, 7, 9, 10, -3, 5, 6}, 2-Pass}} → True
- » {952, 10, 989,  
  {{3, -4, 7, -8, -2, 9, 10, -1, 5, 6}, {3, 4, -7, 1, -8, -9, -2, -10, -5, -6}, Reidemeister 3}} → True
- » {953, 10, 991, {{3, -4, 7, 8, -2, 9, 10, 1, 5, 6}, {3, -4, 7, -8, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {954, 10, 994,  
  {{3, -4, -7, 8, -2, -9, -10, 1, -6, -5}, {2, 4, -7, 1, 9, 8, 10, -3, 5, 6}, Reidemeister 3}} → True
- » {955, 10, 995,  
  {{3, -4, -7, 8, -2, -9, -10, 1, -6, -5}, {2, 4, 8, 1, -7, -9, -10, 3, -6, -5}, 2-Pass}} → True
- » {956, 10, 996,  
  {{3, -4, -7, 8, -2, -9, -10, 1, -6, -5}, {3, 4, -7, 1, -8, -10, -9, -2, -5, -6}, 2-Pass}} → True
- » {957, 10, 998,  
  {{3, -4, -7, 8, -2, 9, 10, -1, 6, 5}, {2, 4, -7, 1, -9, -8, -10, -3, -5, -6}, Reidemeister 3}} → True
- » {958, 10, 999, {{3, -4, -7, 8, -2, 9, 10, -1, 6, 5}, {3, 4, -7, 1, 8, 9, 10, -2, 6, 5}, 2-Pass}} → True
- » {959, 10, 1000, {{3, -4, -7, 8, -2, 9, 10, -1, 6, 5}, {3, 4, -7, 1, 8, 10, 9, -2, 5, 6}, 2-Pass}} → True
- » {960, 10, 1001,  
  {{3, -4, -7, 8, -2, 9, 10, -1, 6, 5}, {3, 4, 7, 1, -9, -8, 2, -10, -5, -6}, Reidemeister 3}} → True
- » {961, 10, 1003,  
  {{3, -4, 7, -8, -2, -9, -10, 1, -6, -5}, {2, 4, -8, 1, -7, -10, -9, -3, -5, -6}, 2-Pass}} → True
- » {962, 10, 1004,  
  {{3, -4, 7, -8, -2, -9, -10, 1, -6, -5}, {3, 4, 7, 1, -8, -9, -10, 2, -6, -5}, 2-Pass}} → True
- » {963, 10, 1005,  
  {{3, -4, 7, -8, -2, -9, -10, 1, -6, -5}, {3, 4, -7, 1, 9, 8, -2, 10, 5, 6}, Reidemeister 3}} → True
- » {964, 10, 1007,  
  {{3, -4, 7, -8, -2, 9, 10, -1, 6, 5}, {2, 4, 7, 1, -9, -8, -10, 3, -5, -6}, Reidemeister 3}} → True
- » {965, 10, 1008, {{3, -4, 7, -8, -2, 9, 10, -1, 6, 5}, {2, 4, -8, 1, 7, 9, 10, -3, 6, 5}, 2-Pass}} → True

- » {966, 10, 1009, {{3, -4, 7, -8, -2, 9, 10, -1, 6, 5}, {2, 4, -8, 1, 7, 10, 9, -3, 5, 6}, 2-Pass}} → True
- » {967, 10, 1010, {{3, -4, 7, -8, -2, 9, 10, -1, 6, 5}, {3, 4, -7, 1, -9, -8, -2, -10, -5, -6}, Reidemeister 3}} → True
- » {968, 10, 1014, {{3, -4, -7, 8, -2, -10, -9, 1, -5, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, Reidemeister 3}} → True
- » {969, 10, 1015, {{3, -4, -7, 8, -2, -10, -9, 1, -5, -6}, {3, 4, -7, 1, -8, -9, -10, -2, -6, -5}, 2-Pass}} → True
- » {970, 10, 1016, {{3, -4, -7, 8, -2, -10, -9, 1, -5, -6}, {3, -4, -7, 8, -2, -9, -10, 1, -6, -5}, Flype}} → True
- » {971, 10, 1017, {{3, -4, -7, 8, -2, 10, 9, -1, 5, 6}, {2, 4, -7, 1, -8, -9, -10, -3, -6, -5}, Reidemeister 3}} → True
- » {972, 10, 1018, {{3, -4, -7, 8, -2, 10, 9, -1, 5, 6}, {3, 4, 7, 1, -8, -9, 2, -10, -6, -5}, Reidemeister 3}} → True
- » {973, 10, 1019, {{3, -4, -7, 8, -2, 10, 9, -1, 5, 6}, {3, 4, -7, 1, 8, 9, 10, -2, 6, 5}, 2-Pass}} → True
- » {974, 10, 1020, {{3, -4, -7, 8, -2, 10, 9, -1, 5, 6}, {3, -4, -7, 8, -2, 9, 10, -1, 6, 5}, Flype}} → True
- » {975, 10, 1021, {{3, -4, 7, -8, -2, -10, -9, 1, -5, -6}, {3, 4, -7, 1, 8, 9, -2, 10, 6, 5}, Reidemeister 3}} → True
- » {976, 10, 1022, {{3, -4, 7, -8, -2, -10, -9, 1, -5, -6}, {3, -4, 7, -8, -2, -9, -10, 1, -6, -5}, 2-Pass}} → True
- » {977, 10, 1023, {{3, -4, 7, -8, -2, -10, -9, 1, -5, -6}, {3, -4, 7, -8, -2, -9, -10, 1, -6, -5}, Flype}} → True
- » {978, 10, 1024, {{3, -4, 7, -8, -2, 10, 9, -1, 5, 6}, {2, 4, 7, 1, -8, -9, -10, 3, -6, -5}, Reidemeister 3}} → True
- » {979, 10, 1025, {{3, -4, 7, -8, -2, 10, 9, -1, 5, 6}, {3, 4, -7, 1, -8, -9, -2, -10, -6, -5}, Reidemeister 3}} → True
- » {980, 10, 1026, {{3, -4, 7, -8, -2, 10, 9, -1, 5, 6}, {3, -4, 7, -8, -2, 9, 10, -1, 6, 5}, Flype}} → True
- » {981, 10, 1027, {{3, -4, 7, -8, -2, 10, 9, -1, 5, 6}, {3, -4, 7, 8, -2, 9, 10, 1, 6, 5}, 2-Pass}} → True
- » {982, 10, 1028, {{3, -4, 7, 8, -2, 10, 9, 1, 5, 6}, {3, -4, 7, -8, -2, 9, 10, -1, 6, 5}, 2-Pass}} → True
- » {983, 10, 1029, {{3, -4, 7, 8, -2, 10, 9, 1, 5, 6}, {3, -4, 7, 8, -2, 9, 10, 1, 6, 5}, Flype}} → True
- » {984, 10, 1030, {{3, 4, 7, 8, 2, -10, -9, 1, -5, -6}, {3, 4, 7, 8, 2, -9, -10, 1, -6, -5}, Flype}} → True
- » {985, 10, 1032, {{3, -4, -7, 9, -8, -2, 10, -5, -1, 6}, {2, 5, -8, -6, 1, -9, -3, -10, -4, -7}, Reidemeister 3}} → True
- » {986, 10, 1034, {{3, -4, 7, -9, -8, -2, 10, -5, -1, 6}, {2, 5, -7, -6, 1, 8, -9, 10, -4, -3}, Reidemeister 3}} → True
- » {987, 10, 1035, {{3, -4, 7, -9, -8, -2, 10, -5, -1, 6}, {2, 5, 7, -9, 1, 8, 3, 10, -4, 6}, 2-Pass}} → True
- » {988, 10, 1036, {{3, -4, 7, -9, -8, -2, 10, -5, -1, 6}, {2, 5, 8, -6, 1, -9, -3, -10, 4, -7}, Reidemeister 3}} → True
- » {989, 10, 1037, {{3, -4, 7, -9, -8, -2, 10, -5, -1, 6}, {2, 5, 10, -6, 1, 8, -9, 3, -4, -7}, 2-Pass}} → True
- » {990, 10, 1038, {{3, -4, 7, -9, -8, -2, 10, -5, -1, 6}, {2, 5, 10, 9, 1, -8, 3, 4, -6, 7}, 2-Pass}} → True



- » {991, 10, 1040, {{3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, {2, 5, 7, -6, 1, -8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {992, 10, 1041, {{3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, {2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, 2-Pass}} → True
- » {993, 10, 1042, {{3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, {2, 5, -8, -6, 1, 9, -3, 10, -4, 7}, Reidemeister 3}} → True
- » {994, 10, 1043, {{3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, {2, 5, 10, -6, 1, -8, 9, -3, 4, 7}, 2-Pass}} → True
- » {995, 10, 1044, {{3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, {2, 5, 10, -9, 1, 8, 3, -4, 6, -7}, 2-Pass}} → True
- » {996, 10, 1046, {{3, -4, 7, -9, 8, 2, 10, 5, -1, 6}, {2, 5, -7, -9, 1, 8, -3, 10, -4, -6}, 2-Pass}} → True
- » {997, 10, 1047, {{3, -4, 7, -9, 8, 2, 10, 5, -1, 6}, {2, 5, 8, 6, 1, 9, 3, -10, 4, -7}, Reidemeister 3}} → True
- » {998, 10, 1049, {{3, -4, 7, 9, -8, -2, 10, -5, 1, 6}, {2, 5, -7, 6, 1, 8, -9, 10, 4, -3}, Reidemeister 3}} → True
- » {999, 10, 1050, {{3, -4, 7, 9, -8, -2, 10, -5, 1, 6}, {2, 5, 10, 6, 1, 8, -9, 3, 4, -7}, 2-Pass}} → True
- » {1000, 10, 1051, {{3, -4, 7, 9, -8, -2, 10, -5, 1, 6}, {2, 5, 10, -9, 1, -8, -3, 4, -6, 7}, 2-Pass}} → True
- » {1001, 10, 1053, {{3, -4, 7, 9, -8, 2, 10, -5, -1, 6}, {2, 5, -7, -6, 1, 8, -9, -10, 4, -3}, Reidemeister 3}} → True
- » {1002, 10, 1054, {{3, -4, 7, 9, -8, 2, 10, -5, -1, 6}, {2, 5, -8, -6, 1, 9, -3, -10, 4, -7}, Reidemeister 3}} → True
- » {1003, 10, 1057, {{3, 4, -7, 9, 8, -2, -10, 5, 1, -6}, {2, 5, -7, -6, 1, -8, -9, -10, -4, -3}, Reidemeister 3}} → True
- » {1004, 10, 1059, {{3, 4, 7, 9, -8, 2, 10, -5, 1, 6}, {2, 5, -7, 6, 1, 8, 9, -10, 4, -3}, Reidemeister 3}} → True
- » {1005, 10, 1062, {{3, -4, -8, 7, -2, -9, -10, 1, -5, -6}, {2, 4, -7, 1, 8, 9, -3, 10, 5, 6}, Reidemeister 3}} → True
- » {1006, 10, 1063, {{3, -4, -8, 7, -2, -9, -10, 1, -5, -6}, {2, 4, 7, 1, -8, -9, -10, 3, -5, -6}, 2-Pass}} → True
- » {1007, 10, 1064, {{3, -4, -8, 7, -2, -9, -10, 1, -5, -6}, {3, 4, -7, 1, -8, -9, -2, -10, -5, -6}, 2-Pass}} → True
- » {1008, 10, 1065, {{3, -4, -8, 7, -2, -9, -10, 1, -5, -6}, {3, -4, 7, 8, -2, 9, 10, 1, 5, 6}, Reidemeister 3}} → True
- » {1009, 10, 1067, {{3, -4, -8, 7, -2, 9, 10, -1, 5, 6}, {2, 4, -7, 1, -8, -9, -3, -10, -5, -6}, Reidemeister 3}} → True
- » {1010, 10, 1068, {{3, -4, -8, 7, -2, 9, 10, -1, 5, 6}, {3, -4, 5, 7, -8, 9, 10, -1, 2, 6}, Reidemeister 3}} → True
- » {1011, 10, 1069, {{3, -4, -8, 7, -2, 9, 10, -1, 5, 6}, {3, 4, -7, 1, 8, 9, -2, 10, 5, 6}, 2-Pass}} → True
- » {1012, 10, 1070, {{3, -4, -8, 7, -2, 9, 10, -1, 5, 6}, {3, 4, 7, 1, -8, -9, -10, 2, -5, -6}, Reidemeister 3}} → True

- » {1013, 10, 1071, {{3, -4, -8, 7, -2, 9, 10, -1, 5, 6}, {3, -4, 7, -8, -2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1014, 10, 1073, {{3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, {2, 4, -7, 1, -8, -9, -10, -3, -5, -6}, 2-Pass}} → True
- » {1015, 10, 1074, {{3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, {3, -4, 5, -7, 8, -9, -10, 1, -2, -6}, 2-Pass}} → True
- » {1016, 10, 1075, {{3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, {3, -4, 5, -7, 8, -9, -10, 1, -2, -6}, Reidemeister 3}} → True
- » {1017, 10, 1076, {{3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, {3, 4, 7, 1, -8, -9, 2, -10, -5, -6}, 2-Pass}} → True
- » {1018, 10, 1077, {{3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, {3, 4, -7, 1, 8, 9, 10, -2, 5, 6}, Reidemeister 3}} → True
- » {1019, 10, 1078, {{3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, {3, -4, -7, 8, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {1020, 10, 1079, {{3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, {3, -4, -7, 8, -2, 9, 10, -1, 5, 6}, Reidemeister 3}} → True
- » {1021, 10, 1082, {{3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, {2, 4, 7, 1, -8, -9, 3, -10, -5, -6}, Reidemeister 3}} → True
- » {1022, 10, 1083, {{3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, {2, 4, -7, 1, 8, 9, 10, -3, 5, 6}, 2-Pass}} → True
- » {1023, 10, 1084, {{3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, {3, -4, 5, -7, -8, 9, 10, -1, -2, 6}, Reidemeister 3}} → True
- » {1024, 10, 1085, {{3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, {3, -4, 5, -7, 8, 9, 10, -1, 2, 6}, 2-Pass}} → True
- » {1025, 10, 1086, {{3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, {3, 4, -7, 1, -8, -9, -10, -2, -5, -6}, Reidemeister 3}} → True
- » {1026, 10, 1087, {{3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, {3, -4, -7, 8, -2, -9, -10, 1, -5, -6}, 2-Pass}} → True
- » {1027, 10, 1089, {{3, -4, 8, 7, -2, 9, 10, 1, 5, 6}, {3, -4, 5, -7, -8, 9, 10, -1, -2, 6}, 2-Pass}} → True
- » {1028, 10, 1090, {{3, -4, 8, 7, -2, 9, 10, 1, 5, 6}, {3, -4, 5, -7, 8, 9, 10, -1, 2, 6}, Reidemeister 3}} → True
- » {1029, 10, 1091, {{3, -4, 8, 7, -2, 9, 10, 1, 5, 6}, {3, -4, -7, 8, -2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1030, 10, 1092, {{3, -4, 8, 7, -2, 9, 10, 1, 5, 6}, {3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {1031, 10, 1094, {{3, 4, 8, 7, 2, -9, -10, 1, -5, -6}, {3, -4, -5, 7, -8, 9, 10, -1, -2, 6}, Reidemeister 3}} → True
- » {1032, 10, 1096, {{3, -4, -8, 7, -2, -9, -10, 1, -6, -5}, {2, 4, 7, 1, -8, -9, -10, 3, -6, -5}, 2-Pass}} → True
- » {1033, 10, 1097, {{3, -4, -8, 7, -2, -9, -10, 1, -6, -5}, {2, 4, -7, 1, 9, 8, -3, 10, 5, 6}, Reidemeister 3}} → True
- » {1034, 10, 1098, {{3, -4, -8, 7, -2, -9, -10, 1, -6, -5}, {3, 4, -7, 1, -9, -8, -2, -10, -5, -6}, 2-Pass}} → True

- » {1035, 10, 1099, {{3, -4, -8, 7, -2, -9, -10, 1, -6, -5}, {3, -4, 7, 8, -2, 10, 9, 1, 5, 6}, Reidemeister 3}} → True
- » {1036, 10, 1101, {{3, -4, -8, 7, -2, 9, 10, -1, 6, 5}, {2, 4, -7, 1, -9, -8, -3, -10, -5, -6}, Reidemeister 3}} → True
- » {1037, 10, 1102, {{3, -4, -8, 7, -2, 9, 10, -1, 6, 5}, {3, 4, -7, 1, 8, 9, -2, 10, 6, 5}, 2-Pass}} → True
- » {1038, 10, 1103, {{3, -4, -8, 7, -2, 9, 10, -1, 6, 5}, {3, 4, 7, 1, -8, -10, -9, 2, -5, -6}, Reidemeister 3}} → True
- » {1039, 10, 1104, {{3, -4, -8, 7, -2, 9, 10, -1, 6, 5}, {3, 4, -7, 1, 9, 8, -2, 10, 5, 6}, 2-Pass}} → True
- » {1040, 10, 1105, {{3, -4, -8, 7, -2, 9, 10, -1, 6, 5}, {3, -4, 7, -8, -2, -10, -9, 1, -5, -6}, Reidemeister 3}} → True
- » {1041, 10, 1107, {{3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, {2, 4, -7, 1, -8, -10, -9, -3, -5, -6}, 2-Pass}} → True
- » {1042, 10, 1108, {{3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, {3, -4, 5, -7, 8, -10, -9, 1, -2, -6}, 2-Pass}} → True
- » {1043, 10, 1109, {{3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, {3, 4, 7, 1, -8, -9, 2, -10, -6, -5}, 2-Pass}} → True
- » {1044, 10, 1110, {{3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, {3, 4, -7, 1, 8, 10, 9, -2, 5, 6}, Reidemeister 3}} → True
- » {1045, 10, 1111, {{3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, {3, -4, -7, 8, -2, 10, 9, -1, 5, 6}, Reidemeister 3}} → True
- » {1046, 10, 1113, {{3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, 2-Pass}} → True
- » {1047, 10, 1114, {{3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, {2, 4, -7, 1, 8, 10, 9, -3, 5, 6}, 2-Pass}} → True
- » {1048, 10, 1115, {{3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, {2, 4, 7, 1, -9, -8, 3, -10, -5, -6}, Reidemeister 3}} → True
- » {1049, 10, 1116, {{3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, {3, -4, 5, -7, 8, 10, 9, -1, 2, 6}, 2-Pass}} → True
- » {1050, 10, 1117, {{3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, {3, 4, -7, 1, -8, -10, -9, -2, -5, -6}, Reidemeister 3}} → True
- » {1051, 10, 1119, {{3, -4, 8, 7, -2, 9, 10, 1, 6, 5}, {3, -4, 5, -7, -8, 10, 9, -1, -2, 6}, 2-Pass}} → True
- » {1052, 10, 1120, {{3, -4, 8, 7, -2, 9, 10, 1, 6, 5}, {3, -4, -7, 8, -2, -10, -9, 1, -5, -6}, Reidemeister 3}} → True
- » {1053, 10, 1123, {{3, -4, -8, 7, -2, -10, -9, 1, -5, -6}, {2, 4, -7, 1, 8, 9, -3, 10, 6, 5}, Reidemeister 3}} → True
- » {1054, 10, 1124, {{3, -4, -8, 7, -2, -10, -9, 1, -5, -6}, {3, 4, -7, 1, -8, -9, -2, -10, -6, -5}, 2-Pass}} → True
- » {1055, 10, 1125, {{3, -4, -8, 7, -2, -10, -9, 1, -5, -6}, {3, -4, 7, 8, -2, 9, 10, 1, 6, 5}, Reidemeister 3}} → True
- » {1056, 10, 1126, {{3, -4, -8, 7, -2, -10, -9, 1, -5, -6}, {3, -4, -8, 7, -2, -9, -10, 1, -6, -5}, Flype}} → True
- » {1057, 10, 1127, {{3, -4, -8, 7, -2, 10, 9, -1, 5, 6}, {2, 4, -7, 1, -8, -9, -3, -10, -6, -5}, Reidemeister 3}} → True

- » {1058, 10, 1128, {{3, -4, -8, 7, -2, 10, 9, -1, 5, 6}, {3, -4, 5, 7, -8, 10, 9, -1, 2, 6}, Reidemeister 3}} → True
- » {1059, 10, 1129, {{3, -4, -8, 7, -2, 10, 9, -1, 5, 6}, {3, 4, -7, 1, 8, 9, -2, 10, 6, 5}, 2-Pass}} → True
- » {1060, 10, 1130, {{3, -4, -8, 7, -2, 10, 9, -1, 5, 6}, {3, 4, 7, 1, -8, -9, -10, 2, -6, -5}, Reidemeister 3}} → True
- » {1061, 10, 1131, {{3, -4, -8, 7, -2, 10, 9, -1, 5, 6}, {3, -4, 7, -8, -2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1062, 10, 1132, {{3, -4, -8, 7, -2, 10, 9, -1, 5, 6}, {3, -4, -8, 7, -2, 9, 10, -1, 6, 5}, Flype}} → True
- » {1063, 10, 1133, {{3, -4, 8, -7, -2, -10, -9, 1, -5, -6}, {2, 4, -7, 1, -8, -9, -10, -3, -6, -5}, 2-Pass}} → True
- » {1064, 10, 1134, {{3, -4, 8, -7, -2, -10, -9, 1, -5, -6}, {3, -4, 5, -7, 8, -10, -9, 1, -2, -6}, Reidemeister 3}} → True
- » {1065, 10, 1135, {{3, -4, 8, -7, -2, -10, -9, 1, -5, -6}, {3, 4, -7, 1, 8, 9, 10, -2, 6, 5}, Reidemeister 3}} → True
- » {1066, 10, 1136, {{3, -4, 8, -7, -2, -10, -9, 1, -5, -6}, {3, -4, -7, 8, -2, 9, 10, -1, 6, 5}, Reidemeister 3}} → True
- » {1067, 10, 1137, {{3, -4, 8, -7, -2, -10, -9, 1, -5, -6}, {3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, 2-Pass}} → True
- » {1068, 10, 1138, {{3, -4, 8, -7, -2, -10, -9, 1, -5, -6}, {3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, Flype}} → True
- » {1069, 10, 1139, {{3, -4, 8, -7, -2, 10, 9, -1, 5, 6}, {2, 4, 7, 1, -8, -9, 3, -10, -6, -5}, Reidemeister 3}} → True
- » {1070, 10, 1140, {{3, -4, 8, -7, -2, 10, 9, -1, 5, 6}, {2, 4, -7, 1, 8, 9, 10, -3, 6, 5}, 2-Pass}} → True
- » {1071, 10, 1141, {{3, -4, 8, -7, -2, 10, 9, -1, 5, 6}, {3, -4, 5, -7, -8, 10, 9, -1, -2, 6}, Reidemeister 3}} → True
- » {1072, 10, 1142, {{3, -4, 8, -7, -2, 10, 9, -1, 5, 6}, {3, 4, -7, 1, -8, -9, -10, -2, -6, -5}, Reidemeister 3}} → True
- » {1073, 10, 1143, {{3, -4, 8, -7, -2, 10, 9, -1, 5, 6}, {3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, Flype}} → True
- » {1074, 10, 1144, {{3, -4, 8, -7, -2, 10, 9, -1, 5, 6}, {3, -4, 8, 7, -2, 9, 10, 1, 6, 5}, 2-Pass}} → True
- » {1075, 10, 1145, {{3, -4, 8, 7, -2, 10, 9, 1, 5, 6}, {3, -4, 5, -7, 8, 10, 9, -1, 2, 6}, Reidemeister 3}} → True
- » {1076, 10, 1146, {{3, -4, 8, 7, -2, 10, 9, 1, 5, 6}, {3, -4, -7, 8, -2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1077, 10, 1147, {{3, -4, 8, 7, -2, 10, 9, 1, 5, 6}, {3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, 2-Pass}} → True
- » {1078, 10, 1148, {{3, -4, 8, 7, -2, 10, 9, 1, 5, 6}, {3, -4, 8, 7, -2, 9, 10, 1, 6, 5}, Flype}} → True
- » {1079, 10, 1149, {{3, 4, 8, 7, 2, -10, -9, 1, -5, -6}, {3, -4, -5, 7, -8, 10, 9, -1, -2, 6}, Reidemeister 3}} → True
- » {1080, 10, 1150, {{3, 4, 8, 7, 2, -10, -9, 1, -5, -6}, {3, 4, 8, 7, 2, -9, -10, 1, -6, -5}, Flype}} → True

- » {1081, 10, 1152,
  - {{3, -4, -9, 7, -8, -2, 10, -1, -5, 6}, {3, -4, -5, 7, -8, 9, 10, -1, -2, 6}, Reidemeister 3}} → True
- » {1082, 10, 1154,
  - {{3, -4, 9, -7, -8, -2, 10, -1, -5, 6}, {3, -4, 5, -7, -8, 9, 10, -1, -2, 6}, Reidemeister 3}} → True
- » {1083, 10, 1155,
  - {{3, -4, 9, -7, -8, -2, 10, -1, -5, 6}, {3, -4, 5, -7, 8, 9, 10, -1, 2, 6}, Reidemeister 3}} → True
- » {1084, 10, 1156,
  - {{3, -4, 9, -7, -8, -2, 10, -1, -5, 6}, {3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {1085, 10, 1157,
  - {{3, -4, 9, -7, -8, -2, 10, -1, -5, 6}, {3, -4, 8, 7, -2, 9, 10, 1, 5, 6}, 2-Pass}} → True
- » {1086, 10, 1159,
  - {{3, -4, 9, -7, 8, -2, -10, 1, 5, -6}, {3, -4, 5, -7, 8, -9, -10, 1, -2, -6}, Reidemeister 3}} → True
- » {1087, 10, 1160,
  - {{3, -4, 9, -7, 8, -2, -10, 1, 5, -6}, {3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, 2-Pass}} → True
- » {1088, 10, 1162,
  - {{3, 4, -9, 7, -8, -2, 10, 1, -5, 6}, {3, 4, 5, 7, 8, -9, -10, 1, 2, -6}, Reidemeister 3}} → True
- » {1089, 10, 1164,
  - {{3, 4, 9, 7, -8, 2, 10, 1, -5, 6}, {3, -4, -5, 7, -8, -9, -10, 1, -2, -6}, Reidemeister 3}} → True
- » {1090, 10, 1166,
  - {{3, -5, -6, 7, -9, -8, -10, 1, -2, -4}, {3, -4, -5, 7, -8, 10, 9, -1, -2, 6}, 2-Pass}} → True
- » {1091, 10, 1170,
  - {{3, -5, 6, -7, -9, 8, 10, -1, 2, -4}, {3, -4, -5, 7, -8, -10, -9, 1, -2, -6}, 2-Pass}} → True
- » {1092, 10, 1174, {{3, -5, -6, 10, -9, -8, -4, -1, -2, -7},
  - {3, -5, -6, 7, -9, -8, 10, -1, -2, -4}, Reidemeister 3}} → True
- » {1093, 10, 1176,
  - {{3, -5, -6, 10, -9, -8, -4, 1, -2, 7}, {3, -4, -5, 7, -8, 10, 9, -1, -2, 6}, Reidemeister 3}} → True
- » {1094, 10, 1177,
  - {{3, -5, -6, 10, -9, -8, -4, 1, -2, 7}, {3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, Reidemeister 3}} → True
- » {1095, 10, 1178, {{3, -5, -6, 10, -9, -8, -4, 1, -2, 7},
  - {3, -5, -6, 7, -9, -8, -10, 1, -2, -4}, Reidemeister 3}} → True
- » {1096, 10, 1180,
  - {{3, -5, -6, 10, -9, -8, 4, -1, -2, 7}, {3, 4, 5, 7, 8, -10, -9, 1, 2, -6}, Reidemeister 3}} → True
- » {1097, 10, 1182,
  - {{3, -5, 6, 10, -9, 8, -4, 1, -2, -7}, {3, 4, -7, 9, -8, -2, 10, -5, 1, 6}, Reidemeister 3}} → True
- » {1098, 10, 1183,
  - {{3, -5, 6, 10, -9, 8, -4, 1, -2, -7}, {3, -5, 6, 7, -9, 8, 10, 1, -2, -4}, Reidemeister 3}} → True
- » {1099, 10, 1185,
  - {{3, -5, 6, 10, -9, 8, 4, -1, 2, -7}, {3, -4, -5, 7, -8, -10, -9, 1, -2, -6}, Reidemeister 3}} → True
- » {1100, 10, 1186,
  - {{3, -5, 6, 10, -9, 8, 4, -1, 2, -7}, {3, -4, -7, 9, -8, -2, -10, -5, 1, -6}, Reidemeister 3}} → True
- » {1101, 10, 1187,
  - {{3, -5, 6, 10, -9, 8, 4, -1, 2, -7}, {3, -5, 6, -7, -9, 8, 10, -1, 2, -4}, Reidemeister 3}} → True

- » {1102, 10, 1189, {{3, -5, 6, 10, -9, 8, 4, 1, -2, 7}, {3, -4, 5, -7, 8, -10, -9, 1, -2, -6}, Reidemeister 3}} → True
- » {1103, 10, 1190, {{3, -5, 6, 10, -9, 8, 4, 1, -2, 7}, {3, -4, -7, 9, -8, -2, 10, -5, -1, 6}, Reidemeister 3}} → True
- » {1104, 10, 1192, {{3, -5, 6, 10, 9, -8, 4, -1, 2, 7}, {3, 4, -7, 9, 8, -2, -10, 5, 1, -6}, Reidemeister 3}} → True
- » {1105, 10, 1194, {{3, -5, 6, 10, 9, -8, 4, 1, -2, 7}, {3, 4, 7, 9, 8, 2, -10, 5, 1, -6}, Reidemeister 3}} → True
- » {1106, 10, 1196, {{3, 5, 6, 10, -9, 8, -4, 1, 2, -7}, {3, 5, 6, 7, -9, 8, 10, 1, 2, -4}, Reidemeister 3}} → True
- » {1107, 10, 1198, {{3, -5, -7, 1, -8, -9, -10, -4, -2, -6}, {3, -4, -9, 7, -8, -2, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1108, 10, 1200, {{3, -5, 7, 1, -8, 9, 10, -4, -2, 6}, {2, 4, -9, 1, 7, 8, 10, 5, -3, 6}, 2-Pass}} → True
- » {1109, 10, 1201, {{3, -5, 7, 1, -8, 9, 10, -4, -2, 6}, {3, 4, -6, 1, -8, -2, -9, -10, -5, -7}, 2-Pass}} → True
- » {1110, 10, 1202, {{3, -5, 7, 1, -8, 9, 10, -4, -2, 6}, {3, 4, 7, 8, 2, -9, -10, 1, -5, -6}, 2-Pass}} → True
- » {1111, 10, 1204, {{3, -5, 7, 1, 8, -9, -10, 4, -2, -6}, {2, 4, -9, 1, -7, -8, -10, -5, -3, -6}, 2-Pass}} → True
- » {1112, 10, 1205, {{3, -5, 7, 1, 8, -9, -10, 4, -2, -6}, {3, 4, -6, 1, 8, -2, 9, 10, 5, 7}, 2-Pass}} → True
- » {1113, 10, 1206, {{3, -5, 7, 1, 8, -9, -10, 4, -2, -6}, {3, 4, 8, 7, 2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1114, 10, 1207, {{3, -5, 7, 1, 8, -9, -10, 4, -2, -6}, {3, -4, -9, 7, -8, -2, 10, -1, -5, 6}, Reidemeister 3}} → True
- » {1115, 10, 1209, {{3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, {2, 4, -7, 1, -8, -9, -10, -3, -5, -6}, 2-Pass}} → True
- » {1116, 10, 1210, {{3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, {3, 4, -7, 1, 8, 9, 10, -2, 5, 6}, 2-Pass}} → True
- » {1117, 10, 1211, {{3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, {3, -4, -7, 8, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {1118, 10, 1212, {{3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, {3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1119, 10, 1213, {{3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, {3, -4, 9, -7, 8, -2, -10, 1, 5, -6}, Reidemeister 3}} → True
- » {1120, 10, 1216, {{3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 5, 6}, 2-Pass}} → True
- » {1121, 10, 1217, {{3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, {3, 4, -7, 1, -8, -9, -10, -2, -5, -6}, 2-Pass}} → True
- » {1122, 10, 1218, {{3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, {3, -4, -7, 8, -2, -9, -10, 1, -5, -6}, 2-Pass}} → True
- » {1123, 10, 1219, {{3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, {3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, Reidemeister 3}} → True

- » {1124, 10, 1220, {{3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, {3, -4, 9, -7, -8, -2, 10, -1, -5, 6}, Reidemeister 3}} → True
- » {1125, 10, 1222, {{3, 5, 7, 1, -8, 9, 10, -4, 2, 6}, {3, -4, 7, -8, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {1126, 10, 1223, {{3, 5, 7, 1, -8, 9, 10, -4, 2, 6}, {3, -4, -8, 7, -2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1127, 10, 1225, {{3, 5, 7, 1, 8, -9, -10, 4, 2, -6}, {3, -4, -9, 7, -8, -2, 10, -1, -5, 6}, Reidemeister 3}} → True
- » {1128, 10, 1226, {{3, 5, 7, 1, 8, -9, -10, 4, 2, -6}, {3, -5, 7, 1, 8, -9, -10, 4, -2, -6}, 2-Pass}} → True
- » {1129, 10, 1229, {{3, -5, 7, 1, -8, 10, 9, -4, -2, 6}, {2, 4, -9, 1, 8, 7, 10, 5, -3, 6}, 2-Pass}} → True
- » {1130, 10, 1230, {{3, -5, 7, 1, -8, 10, 9, -4, -2, 6}, {2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, Reidemeister 3}} → True
- » {1131, 10, 1231, {{3, -5, 7, 1, -8, 10, 9, -4, -2, 6}, {2, 5, -9, -6, 1, 8, -3, 10, -4, 7}, 2-Pass}} → True
- » {1132, 10, 1232, {{3, -5, 7, 1, -8, 10, 9, -4, -2, 6}, {2, 5, 10, 7, 1, -8, -9, 4, -6, 3}, 2-Pass}} → True
- » {1133, 10, 1233, {{3, -5, 7, 1, -8, 10, 9, -4, -2, 6}, {2, 5, 10, -9, 1, -8, -3, 4, -6, 7}, 2-Pass}} → True
- » {1134, 10, 1234, {{3, -5, 7, 1, -8, 10, 9, -4, -2, 6}, {3, 4, 7, 8, 2, -10, -9, 1, -5, -6}, 2-Pass}} → True
- » {1135, 10, 1236, {{3, -5, 7, 1, 8, -10, -9, 4, -2, -6}, {2, 4, -9, 1, -8, -7, -10, -5, -3, -6}, 2-Pass}} → True
- » {1136, 10, 1237, {{3, -5, 7, 1, 8, -10, -9, 4, -2, -6}, {2, 5, -7, -9, 1, 8, 10, -4, 6, -3}, Reidemeister 3}} → True
- » {1137, 10, 1238, {{3, -5, 7, 1, 8, -10, -9, 4, -2, -6}, {2, 5, 10, -7, 1, 8, 9, -4, 6, 3}, 2-Pass}} → True
- » {1138, 10, 1239, {{3, -5, 7, 1, 8, -10, -9, 4, -2, -6}, {2, 5, 10, -9, 1, 8, 3, -4, 6, -7}, 2-Pass}} → True
- » {1139, 10, 1240, {{3, -5, 7, 1, 8, -10, -9, 4, -2, -6}, {3, 4, 8, 7, 2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1140, 10, 1242, {{3, 5, -7, 1, -8, 10, 9, -4, -2, 6}, {2, 4, -7, 1, -8, -10, -9, -3, -5, -6}, 2-Pass}} → True
- » {1141, 10, 1243, {{3, 5, -7, 1, -8, 10, 9, -4, -2, 6}, {2, 5, -7, -9, 1, -8, -10, -4, -6, -3}, Reidemeister 3}} → True
- » {1142, 10, 1244, {{3, 5, -7, 1, -8, 10, 9, -4, -2, 6}, {3, 4, -7, 1, 8, 10, 9, -2, 5, 6}, 2-Pass}} → True
- » {1143, 10, 1245, {{3, 5, -7, 1, -8, 10, 9, -4, -2, 6}, {3, -4, 8, -7, -2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1144, 10, 1247, {{3, 5, -7, 1, 8, -10, -9, 4, -2, -6}, {2, 4, -7, 1, 8, 10, 9, -3, 5, 6}, 2-Pass}} → True
- » {1145, 10, 1248, {{3, 5, -7, 1, 8, -10, -9, 4, -2, -6}, {2, 5, -9, -6, 1, -8, -3, -10, -4, -7}, 2-Pass}} → True
- » {1146, 10, 1249, {{3, 5, -7, 1, 8, -10, -9, 4, -2, -6}, {3, 4, -7, 1, -8, -10, -9, -2, -5, -6}, 2-Pass}} → True

- » {1147, 10, 1250, {{3, 5, -7, 1, 8, -10, -9, 4, -2, -6}, {3, -4, -7, 8, -2, -10, -9, 1, -5, -6}, 2-Pass}} → True
- » {1148, 10, 1251, {{3, 5, -7, 1, 8, -10, -9, 4, -2, -6}, {3, -4, 8, -7, -2, 9, 10, -1, 6, 5}, Reidemeister 3}} → True
- » {1149, 10, 1253, {{3, 5, 7, 1, -8, 10, 9, -4, 2, 6}, {3, -4, 7, -8, -2, 10, 9, -1, 5, 6}, 2-Pass}} → True
- » {1150, 10, 1254, {{3, 5, 7, 1, -8, 10, 9, -4, 2, 6}, {3, -4, -8, 7, -2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1151, 10, 1256, {{3, 5, 7, 1, 8, -10, -9, 4, 2, -6}, {2, 5, -7, -9, 1, 8, -10, 4, 6, -3}, Reidemeister 3}} → True
- » {1152, 10, 1257, {{3, 5, 7, 1, 8, -10, -9, 4, 2, -6}, {2, 5, -9, -6, 1, 8, -3, -10, 4, -7}, 2-Pass}} → True
- » {1153, 10, 1259, {{3, -5, -7, 8, -1, -9, -2, 10, 4, -6}, {3, 4, -9, 7, -8, -2, 10, 1, -5, 6}, 2-Pass}} → True
- » {1154, 10, 1264, {{3, -5, 7, 8, -1, 9, 2, 10, 4, 6}, {3, 4, -9, 7, -8, -2, 10, 1, -5, 6}, 2-Pass}} → True
- » {1155, 10, 1265, {{3, -5, 7, 8, -1, 9, 2, 10, 4, 6}, {3, -5, -7, 8, -1, -9, -2, 10, 4, -6}, 2-Pass}} → True
- » {1156, 10, 1267, {{3, 5, -7, 8, 1, -9, -2, -10, 4, -6}, {2, 5, 7, 8, 1, -9, -10, 3, 4, -6}, 2-Pass}} → True
- » {1157, 10, 1268, {{3, 5, -7, 8, 1, -9, -2, -10, 4, -6}, {3, -4, -9, 7, -8, -2, -10, 1, -5, -6}, 2-Pass}} → True
- » {1158, 10, 1270, {{3, 5, -7, 8, 1, 9, -2, 10, 4, 6}, {3, -4, -9, 7, -8, -2, 10, -1, -5, 6}, 2-Pass}} → True
- » {1159, 10, 1272, {{3, 5, 7, -8, 1, -9, 2, -10, -4, -6}, {2, 5, -7, -8, 1, -9, -10, -3, -4, -6}, 2-Pass}} → True
- » {1160, 10, 1274, {{3, -5, -7, 8, -2, -9, -1, 10, -6, -4}, {2, 4, -6, 9, 1, 8, -10, -3, 5, -7}, Reidemeister 3}} → True
- » {1161, 10, 1275, {{3, -5, -7, 8, -2, -9, -1, 10, -6, -4}, {2, 4, 6, 9, 1, 8, -10, 3, 5, -7}, Reidemeister 3}} → True
- » {1162, 10, 1276, {{3, -5, -7, 8, -2, -9, -1, 10, -6, -4}, {2, 4, -8, 7, 1, -9, -5, 10, -6, -3}, 2-Pass}} → True
- » {1163, 10, 1278, {{3, -5, -7, 8, -2, 9, -1, 10, 6, 4}, {2, 4, -6, -9, 1, -8, -10, -3, -5, -7}, Reidemeister 3}} → True
- » {1164, 10, 1280, {{3, -5, -7, 8, -2, 9, 1, -10, 6, -4}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, Reidemeister 3}} → True
- » {1165, 10, 1281, {{3, -5, -7, 8, -2, 9, 1, -10, 6, -4}, {2, 4, 8, -7, 1, 9, 5, -10, 6, -3}, 2-Pass}} → True
- » {1166, 10, 1282, {{3, -5, -7, 8, -2, 9, 1, -10, 6, -4}, {3, -5, 6, 10, 9, -8, 4, -1, 2, 7}, 2-Pass}} → True
- » {1167, 10, 1284, {{3, -5, 7, -8, -2, -9, 1, -10, -6, -4}, {3, -5, 6, 10, -9, 8, -4, 1, -2, -7}, 2-Pass}} → True
- » {1168, 10, 1286, {{3, -5, 7, 8, -2, -9, -1, 10, -6, 4}, {2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, Reidemeister 3}} → True



- » {1169, 10, 1287, {{3, -5, 7, 8, -2, -9, -1, 10, -6, 4}, {2, 4, 8, 7, 1, -9, -5, 10, -6, 3}, 2-Pass}} → True
- » {1170, 10, 1288, {{3, -5, 7, 8, -2, -9, -1, 10, -6, 4}, {3, 5, 6, 10, -9, 8, -4, 1, 2, -7}, 2-Pass}} → True
- » {1171, 10, 1290, {{3, -5, 7, 8, -2, 9, 1, 10, 6, 4}, {3, -5, -6, 10, -9, -8, 4, -1, -2, 7}, 2-Pass}} → True
- » {1172, 10, 1293, {{3, -5, -7, 8, 9, -2, -10, 1, 4, -6}, {2, 5, -7, -8, 1, 9, 10, -3, -4, 6}, Reidemeister 3}} → True
- » {1173, 10, 1294, {{3, -5, -7, 8, 9, -2, -10, 1, 4, -6}, {2, 5, 8, 9, 1, -7, -10, 4, 3, -6}, 2-Pass}} → True
- » {1174, 10, 1296, {{3, -5, -7, 8, 9, -2, 10, -1, 4, 6}, {2, 5, -7, -8, 1, -9, -10, -3, -4, -6}, 2-Pass}} → True
- » {1175, 10, 1297, {{3, -5, -7, 8, 9, -2, 10, -1, 4, 6}, {2, 5, -7, -8, 1, -9, -10, -3, -4, -6}, Reidemeister 3}} → True
- » {1176, 10, 1298, {{3, -5, -7, 8, 9, -2, 10, -1, 4, 6}, {3, 5, 7, -8, 1, -9, 2, -10, -4, -6}, Reidemeister 3}} → True
- » {1177, 10, 1301, {{3, -5, 7, -8, -9, -2, -10, 1, -4, -6}, {3, -5, 7, 1, 8, -9, -10, 4, -2, -6}, 2-Pass}} → True
- » {1178, 10, 1302, {{3, -5, 7, -8, -9, -2, -10, 1, -4, -6}, {3, 5, -7, 8, 1, 9, -2, 10, 4, 6}, Reidemeister 3}} → True
- » {1179, 10, 1304, {{3, -5, 7, -8, -9, -2, 10, -1, -4, 6}, {2, 5, 7, 8, 1, -9, -10, 3, 4, -6}, 2-Pass}} → True
- » {1180, 10, 1305, {{3, -5, 7, -8, -9, -2, 10, -1, -4, 6}, {2, 5, 7, 8, 1, -9, -10, 3, 4, -6}, Reidemeister 3}} → True
- » {1181, 10, 1306, {{3, -5, 7, -8, -9, -2, 10, -1, -4, 6}, {2, 5, -8, -9, 1, 7, 10, -4, -3, 6}, 2-Pass}} → True
- » {1182, 10, 1307, {{3, -5, 7, -8, -9, -2, 10, -1, -4, 6}, {3, -5, -7, 1, -8, -9, -10, -4, -2, -6}, 2-Pass}} → True
- » {1183, 10, 1308, {{3, -5, 7, -8, -9, -2, 10, -1, -4, 6}, {3, 5, -7, 8, 1, -9, -2, -10, 4, -6}, Reidemeister 3}} → True
- » {1184, 10, 1311, {{3, -5, 7, 8, 9, -2, 10, 1, 4, 6}, {3, -5, 7, 1, -8, 9, 10, -4, -2, 6}, 2-Pass}} → True
- » {1185, 10, 1313, {{3, 5, 7, -8, -9, 2, -10, 1, -4, -6}, {3, -5, -7, 8, -1, 9, -2, 10, 4, 6}, Reidemeister 3}} → True
- » {1186, 10, 1315, {{3, 5, 7, -8, -9, 2, 10, 1, -4, 6}, {3, -5, -7, 8, -1, -9, -2, 10, 4, -6}, Reidemeister 3}} → True
- » {1187, 10, 1318, {{3, -5, -7, 9, -1, -8, 10, -2, 4, 6}, {2, 6, -8, -10, -9, 1, -4, -3, -5, -7}, 2-Pass}} → True
- » {1188, 10, 1319, {{3, -5, -7, 9, -1, -8, 10, -2, 4, 6}, {2, 6, 8, -10, 9, 1, -4, 3, 5, -7}, 2-Pass}} → True
- » {1189, 10, 1321, {{3, -5, 7, 9, -1, 8, 10, 2, 4, 6}, {2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, 2-Pass}} → True
- » {1190, 10, 1322, {{3, -5, 7, 9, -1, 8, 10, 2, 4, 6}, {2, 6, -8, -10, 9, 1, 4, -3, 5, -7}, 2-Pass}} → True
- » {1191, 10, 1324, {{3, 5, -7, 9, 1, -8, -10, -2, 4, -6}, {2, 5, -7, -9, 1, -8, -3, -10, -4, -6}, 2-Pass}} → True

- » {1192, 10, 1325, {{3, 5, -7, 9, 1, -8, -10, -2, 4, -6}, {2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, 2-Pass}} → True
- » {1193, 10, 1329, {{3, -5, -7, 9, 8, -2, -10, 1, 4, -6}, {2, 5, -7, -8, 1, 9, 10, -4, -3, 6}, Reidemeister 3}} → True
- » {1194, 10, 1330, {{3, -5, -7, 9, 8, -2, -10, 1, 4, -6}, {2, 5, -9, -8, 1, -7, -10, -4, -3, -6}, 2-Pass}} → True
- » {1195, 10, 1331, {{3, -5, -7, 9, 8, -2, -10, 1, 4, -6}, {3, -4, -7, 9, -8, -2, -10, -5, 1, -6}, 2-Pass}} → True
- » {1196, 10, 1333, {{3, -5, -7, 9, 8, -2, 10, -1, 4, 6}, {2, 5, -7, -8, 1, -9, -10, -4, -3, -6}, Reidemeister 3}} → True
- » {1197, 10, 1334, {{3, -5, -7, 9, 8, -2, 10, -1, 4, 6}, {2, 5, -8, -7, 1, -9, -10, -3, -4, -6}, 2-Pass}} → True
- » {1198, 10, 1335, {{3, -5, -7, 9, 8, -2, 10, -1, 4, 6}, {3, 5, -7, 9, 1, 8, 10, -2, 4, 6}, 2-Pass}} → True
- » {1199, 10, 1337, {{3, -5, 7, -9, -8, -2, -10, 1, -4, -6}, {3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, 2-Pass}} → True
- » {1200, 10, 1338, {{3, -5, 7, -9, -8, -2, -10, 1, -4, -6}, {3, -5, 7, 1, 8, -10, -9, 4, -2, -6}, 2-Pass}} → True
- » {1201, 10, 1339, {{3, -5, 7, -9, -8, -2, -10, 1, -4, -6}, {3, 5, -7, 9, 1, -8, -10, -2, 4, -6}, 2-Pass}} → True
- » {1202, 10, 1341, {{3, -5, 7, -9, -8, -2, 10, -1, -4, 6}, {2, 5, 7, 8, 1, -9, -10, 4, 3, -6}, Reidemeister 3}} → True
- » {1203, 10, 1342, {{3, -5, 7, -9, -8, -2, 10, -1, -4, 6}, {2, 5, 8, 7, 1, -9, -10, 3, 4, -6}, 2-Pass}} → True
- » {1204, 10, 1343, {{3, -5, 7, -9, -8, -2, 10, -1, -4, 6}, {2, 5, -9, -8, 1, 7, 10, -4, -3, 6}, 2-Pass}} → True
- » {1205, 10, 1344, {{3, -5, 7, -9, -8, -2, 10, -1, -4, 6}, {3, -5, -7, 1, -8, -10, -9, -4, -2, -6}, 2-Pass}} → True
- » {1206, 10, 1345, {{3, -5, 7, -9, -8, -2, 10, -1, -4, 6}, {3, 5, 7, -9, 1, 8, 10, 2, -4, 6}, 2-Pass}} → True
- » {1207, 10, 1347, {{3, -5, 7, 9, 8, -2, 10, 1, 4, 6}, {3, -4, 7, 9, -8, -2, 10, -5, 1, 6}, 2-Pass}} → True
- » {1208, 10, 1348, {{3, -5, 7, 9, 8, -2, 10, 1, 4, 6}, {3, -5, 7, 1, -8, 10, 9, -4, -2, 6}, 2-Pass}} → True
- » {1209, 10, 1350, {{3, 5, 7, -9, -8, 2, 10, 1, -4, 6}, {3, -5, -7, 9, -1, -8, 10, -2, 4, 6}, 2-Pass}} → True
- » {1210, 10, 1354, {{3, -5, 8, -7, -1, -9, -4, 10, 2, -6}, {3, 4, -7, 9, -8, -2, 10, -5, 1, 6}, 2-Pass}} → True
- » {1211, 10, 1355, {{3, -5, 8, -7, -1, -9, -4, 10, 2, -6}, {3, -5, 6, 10, -9, 8, -4, 1, -2, -7}, Reidemeister 3}} → True
- » {1212, 10, 1357, {{3, -5, 8, 7, -1, 9, 4, 10, 2, 6}, {3, 4, -7, 9, 8, -2, -10, 5, 1, -6}, 2-Pass}} → True
- » {1213, 10, 1358, {{3, -5, 8, 7, -1, 9, 4, 10, 2, 6}, {3, -5, 6, 10, 9, -8, 4, -1, 2, 7}, Reidemeister 3}} → True
- » {1214, 10, 1360, {{3, 5, -8, 7, 1, -9, 4, -10, -2, -6}, {2, 5, -8, -7, 1, -9, -4, -3, -10, -6}, 2-Pass}} → True

- » {1215, 10, 1361, {{3, 5, -8, 7, 1, -9, 4, -10, -2, -6}, {3, -4, -7, 9, -8, -2, -10, -5, 1, -6}, 2-Pass}} → True
- » {1216, 10, 1362, {{3, 5, -8, 7, 1, -9, 4, -10, -2, -6}, {3, -5, 6, 10, -9, 8, 4, -1, 2, -7}, Reidemeister 3}} → True
- » {1217, 10, 1364, {{3, 5, -8, 7, 1, 9, 4, 10, -2, 6}, {3, -4, -7, 9, -8, -2, 10, -5, -1, 6}, 2-Pass}} → True
- » {1218, 10, 1365, {{3, 5, -8, 7, 1, 9, 4, 10, -2, 6}, {3, -5, 6, 10, -9, 8, 4, 1, -2, 7}, Reidemeister 3}} → True
- » {1219, 10, 1368, {{3, -5, -8, 7, -9, -2, -10, 1, -6, -4}, {2, 5, -7, 9, 1, 8, -3, 10, 4, 6}, Reidemeister 3}} → True
- » {1220, 10, 1369, {{3, -5, -8, 7, -9, -2, -10, 1, -6, -4}, {2, 5, 7, -9, 1, -8, -10, 4, -6, -3}, 2-Pass}} → True
- » {1221, 10, 1370, {{3, -5, -8, 7, -9, -2, -10, 1, -6, -4}, {3, -4, 7, 9, -8, -2, 10, -5, 1, 6}, Reidemeister 3}} → True
- » {1222, 10, 1371, {{3, -5, -8, 7, -9, -2, -10, 1, -6, -4}, {3, -5, 7, 9, 8, -2, 10, 1, 4, 6}, Reidemeister 3}} → True
- » {1223, 10, 1373, {{3, -5, -8, 7, -9, -2, 10, -1, -6, -4}, {2, 5, -7, 9, 1, 8, -3, -10, 4, -6}, Reidemeister 3}} → True
- » {1224, 10, 1374, {{3, -5, -8, 7, -9, -2, 10, -1, -6, -4}, {2, 6, -8, -10, -7, 1, 9, -3, 5, -4}, 2-Pass}} → True
- » {1225, 10, 1375, {{3, -5, -8, 7, -9, -2, 10, -1, -6, -4}, {3, 4, 7, 9, -8, 2, 10, -5, 1, 6}, Reidemeister 3}} → True
- » {1226, 10, 1376, {{3, -5, -8, 7, -9, -2, 10, -1, -6, -4}, {3, -5, 7, 9, -1, 8, 10, 2, 4, 6}, Reidemeister 3}} → True
- » {1227, 10, 1378, {{3, -5, -8, 7, 9, -2, 10, -1, 6, 4}, {2, 5, -7, -9, 1, -8, -3, -10, -4, -6}, Reidemeister 3}} → True
- » {1228, 10, 1379, {{3, -5, -8, 7, 9, -2, 10, -1, 6, 4}, {3, -5, -6, 7, -9, -8, -10, 1, -2, -4}, Reidemeister 3}} → True
- » {1229, 10, 1380, {{3, -5, -8, 7, 9, -2, 10, -1, 6, 4}, {3, 5, -7, 9, 1, -8, -10, -2, 4, -6}, Reidemeister 3}} → True
- » {1230, 10, 1382, {{3, -5, -8, 7, 9, -2, 10, 1, -6, 4}, {2, 5, -7, -9, 1, 8, -3, 10, -4, -6}, Reidemeister 3}} → True
- » {1231, 10, 1383, {{3, -5, -8, 7, 9, -2, 10, 1, -6, 4}, {2, 5, 7, 9, 1, -8, 10, 4, -6, 3}, 2-Pass}} → True
- » {1232, 10, 1384, {{3, -5, -8, 7, 9, -2, 10, 1, -6, 4}, {2, 6, 8, -10, -7, 1, -9, 3, 5, -4}, 2-Pass}} → True
- » {1233, 10, 1386, {{3, -5, 8, -7, -9, -2, -10, 1, -6, -4}, {3, -5, 6, -7, -9, 8, -10, 1, -2, -4}, Reidemeister 3}} → True
- » {1234, 10, 1387, {{3, -5, 8, -7, -9, -2, -10, 1, -6, -4}, {3, 5, -7, 9, 1, 8, 10, -2, 4, 6}, Reidemeister 3}} → True
- » {1235, 10, 1388, {{3, -5, 8, -7, -9, -2, -10, 1, -6, -4}, {3, -5, -7, 9, 8, -2, 10, -1, 4, 6}, Reidemeister 3}} → True
- » {1236, 10, 1390, {{3, -5, 8, -7, -9, -2, 10, -1, 6, -4}, {2, 5, 7, 9, 1, -8, 3, -10, 4, -6}, Reidemeister 3}} → True

- » {1237, 10, 1391, {{3, -5, 8, -7, -9, -2, 10, -1, 6, -4}, {2, 5, -7, -9, 1, 8, 10, -4, 6, -3}, 2-Pass}} → True
- » {1238, 10, 1392, {{3, -5, 8, -7, -9, -2, 10, -1, 6, -4}, {3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, Reidemeister 3}} → True
- » {1239, 10, 1393, {{3, -5, 8, -7, -9, -2, 10, -1, 6, -4}, {3, -5, -6, 7, -9, -8, -10, 1, -2, -4}, Reidemeister 3}} → True
- » {1240, 10, 1394, {{3, -5, 8, -7, -9, -2, 10, -1, 6, -4}, {3, 5, -7, 9, 1, -8, -10, -2, 4, -6}, Reidemeister 3}} → True
- » {1241, 10, 1395, {{3, -5, 8, -7, -9, -2, 10, -1, 6, -4}, {3, -5, 7, -9, -8, -2, -10, 1, -4, -6}, Reidemeister 3}} → True
- » {1242, 10, 1398, {{3, -5, 8, 7, -9, -2, 10, 1, -6, -4}, {2, 6, -8, -10, -7, 1, -9, -3, -5, -4}, 2-Pass}} → True
- » {1243, 10, 1399, {{3, -5, 8, 7, -9, -2, 10, 1, -6, -4}, {3, 4, -7, 9, -8, -2, 10, -5, 1, 6}, Reidemeister 3}} → True
- » {1244, 10, 1400, {{3, -5, 8, 7, -9, -2, 10, 1, -6, -4}, {3, -5, 6, 7, -9, 8, 10, 1, -2, -4}, Reidemeister 3}} → True
- » {1245, 10, 1402, {{3, -5, 8, 7, 9, -2, 10, 1, 6, 4}, {3, -5, -6, 7, -9, -8, 10, -1, -2, -4}, Reidemeister 3}} → True
- » {1246, 10, 1404, {{3, 5, 8, -7, -9, 2, -10, 1, 6, -4}, {2, 6, 8, -10, 7, 1, 9, 3, 5, -4}, 2-Pass}} → True
- » {1247, 10, 1405, {{3, 5, 8, -7, -9, 2, -10, 1, 6, -4}, {3, -5, -7, 9, -1, -8, 10, -2, 4, 6}, Reidemeister 3}} → True
- » {1248, 10, 1406, {{3, 5, 8, -7, -9, 2, -10, 1, 6, -4}, {3, 5, 7, -9, -8, 2, 10, 1, -4, 6}, Reidemeister 3}} → True
- » {1249, 10, 1409, {{3, 5, 8, 7, -9, 2, -10, 1, -6, -4}, {3, -4, -7, 9, -8, -2, -10, -5, 1, -6}, Reidemeister 3}} → True
- » {1250, 10, 1410, {{3, 5, 8, 7, -9, 2, -10, 1, -6, -4}, {3, -5, 6, -7, -9, 8, 10, -1, 2, -4}, Reidemeister 3}} → True
- » {1251, 10, 1411, {{3, 5, 8, 7, -9, 2, -10, 1, -6, -4}, {3, -5, -7, 9, 8, -2, -10, 1, 4, -6}, Reidemeister 3}} → True
- » {1252, 10, 1413, {{3, 5, 8, 7, -9, 2, 10, 1, 6, -4}, {3, -4, 7, -9, 8, 2, 10, 5, -1, 6}, Reidemeister 3}} → True
- » {1253, 10, 1414, {{3, 5, 8, 7, -9, 2, 10, 1, 6, -4}, {3, -5, -8, 7, 9, -2, 10, 1, -6, 4}, 2-Pass}} → True
- » {1254, 10, 1416, {{3, -5, -8, 10, -7, -1, -9, -2, -4, -6}, {3, -5, -8, 7, -1, -9, 4, 10, -2, -6}, 2-Pass}} → True
- » {1255, 10, 1418, {{3, -5, -8, 10, -7, -1, 9, -2, 4, 6}, {2, 4, -9, -6, 1, -8, -10, -3, -5, -7}, 2-Pass}} → True
- » {1256, 10, 1419, {{3, -5, -8, 10, -7, -1, 9, -2, 4, 6}, {2, 5, -7, -6, 9, 1, -3, 10, 4, 8}, 2-Pass}} → True
- » {1257, 10, 1420, {{3, -5, -8, 10, -7, -1, 9, -2, 4, 6}, {2, 5, 7, -10, -9, 1, 8, 3, 6, -4}, 2-Pass}} → True
- » {1258, 10, 1421, {{3, -5, -8, 10, -7, -1, 9, -2, 4, 6}, {2, 6, 8, -7, 9, 1, -4, -10, 5, -3}, Reidemeister 3}} → True

- » {1259, 10, 1422, {{3, -5, -8, 10, -7, -1, 9, -2, 4, 6}, {3, -4, 7, -9, 8, 2, 10, 5, -1, 6}, 2-Pass}} → True
- » {1260, 10, 1424, {{3, -5, 8, 10, -7, -1, -9, 2, 4, -6}, {2, 4, -6, -9, 1, -8, -10, -3, -5, -7}, 2-Pass}} → True
- » {1261, 10, 1425, {{3, -5, 8, 10, -7, -1, -9, 2, 4, -6}, {2, 5, -7, -6, -9, 1, -3, -10, -4, -8}, 2-Pass}} → True
- » {1262, 10, 1426, {{3, -5, 8, 10, -7, -1, -9, 2, 4, -6}, {2, 5, -7, -10, -9, 1, -8, -3, -6, -4}, 2-Pass}} → True
- » {1263, 10, 1427, {{3, -5, 8, 10, -7, -1, -9, 2, 4, -6}, {2, 6, -8, 7, -9, 1, 4, 10, -5, -3}, Reidemeister 3}} → True
- » {1264, 10, 1428, {{3, -5, 8, 10, -7, -1, -9, 2, 4, -6}, {3, -5, -7, 8, -2, 9, -1, 10, 6, 4}, Reidemeister 3}} → True
- » {1265, 10, 1430, {{3, -5, 8, 10, 7, -1, -9, 2, 4, -6}, {2, 6, -8, 7, -9, 1, 4, -10, -5, -3}, Reidemeister 3}} → True
- » {1266, 10, 1431, {{3, -5, 8, 10, 7, -1, -9, 2, 4, -6}, {3, 5, 7, -8, 2, -9, 1, -10, -6, -4}, Reidemeister 3}} → True
- » {1267, 10, 1434, {{3, -5, 8, 10, 7, -1, 9, 2, 4, 6}, {3, 4, -7, 9, -8, -2, 10, -5, 1, 6}, 2-Pass}} → True
- » {1268, 10, 1435, {{3, -5, 8, 10, 7, -1, 9, 2, 4, 6}, {3, -5, 7, -8, -2, -9, 1, -10, -6, -4}, Reidemeister 3}} → True
- » {1269, 10, 1437, {{3, 5, -8, 10, -7, 1, 9, -2, -4, 6}, {2, 6, -8, -7, -9, 1, -4, -10, -5, -3}, Reidemeister 3}} → True
- » {1270, 10, 1438, {{3, 5, -8, 10, -7, 1, 9, -2, -4, 6}, {3, -5, 7, -8, -2, -9, 1, -10, -6, -4}, Reidemeister 3}} → True
- » {1271, 10, 1439, {{3, 5, -8, 10, -7, 1, 9, -2, -4, 6}, {3, -5, 8, -7, -1, -9, -4, 10, 2, -6}, 2-Pass}} → True
- » {1272, 10, 1440, {{3, 5, -8, 10, -7, 1, 9, -2, -4, 6}, {3, -5, 8, 10, 7, -1, 9, 2, 4, 6}, 2-Pass}} → True
- » {1273, 10, 1442, {{3, 5, -8, 10, 7, 1, 9, -2, 4, 6}, {2, 4, -6, 9, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {1274, 10, 1443, {{3, 5, -8, 10, 7, 1, 9, -2, 4, 6}, {2, 4, -9, 6, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {1275, 10, 1444, {{3, 5, -8, 10, 7, 1, 9, -2, 4, 6}, {3, -5, -7, 8, -2, -9, -1, 10, -6, -4}, Reidemeister 3}} → True
- » {1276, 10, 1446, {{3, 5, 8, 10, -7, 1, -9, 2, -4, -6}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {1277, 10, 1447, {{3, 5, 8, 10, -7, 1, -9, 2, -4, -6}, {2, 4, -9, 6, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {1278, 10, 1448, {{3, 5, 8, 10, -7, 1, -9, 2, -4, -6}, {3, 4, -7, 9, 8, -2, -10, 5, 1, -6}, 2-Pass}} → True
- » {1279, 10, 1449, {{3, 5, 8, 10, -7, 1, -9, 2, -4, -6}, {3, -5, -7, 8, -2, 9, 1, -10, 6, -4}, Reidemeister 3}} → True
- » {1280, 10, 1450, {{3, 5, 8, 10, -7, 1, -9, 2, -4, -6}, {3, -5, 8, 7, -1, 9, 4, 10, 2, 6}, 2-Pass}} → True
- » {1281, 10, 1453, {{3, 5, 8, 10, 7, 1, -9, 2, 4, -6}, {2, 6, -8, 7, 9, 1, 4, -10, 5, -3}, Reidemeister 3}} → True
- » {1282, 10, 1454, {{3, 5, 8, 10, 7, 1, -9, 2, 4, -6}, {3, -4, 7, 9, -8, 2, 10, -5, -1, 6}, 2-Pass}} → True

- » {1283, 10, 1456, {{3, -5, -8, 10, -7, -2, -9, -1, -6, 4}, {2, 5, -7, -9, 1, 8, 4, -10, 6, -3}, Reidemeister 3}} → True
- » {1284, 10, 1457, {{3, -5, -8, 10, -7, -2, -9, -1, -6, 4}, {2, 5, -8, -6, 1, 9, -3, -10, 4, -7}, 2-Pass}} → True
- » {1285, 10, 1458, {{3, -5, -8, 10, -7, -2, -9, -1, -6, 4}, {3, -4, 7, 9, -8, 2, 10, -5, -1, 6}, Reidemeister 3}} → True
- » {1286, 10, 1460, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {2, 4, -6, 1, 8, -3, 10, 9, 5, 7}, 2-Pass}} → True
- » {1287, 10, 1461, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {2, 5, -7, -9, 1, 8, -4, 10, 6, -3}, Reidemeister 3}} → True
- » {1288, 10, 1462, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {2, 5, 10, 7, 1, -8, -9, 4, -6, 3}, 2-Pass}} → True
- » {1289, 10, 1463, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {2, 5, 10, -9, 1, 8, -4, 3, 6, -7}, 2-Pass}} → True
- » {1290, 10, 1464, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {3, 4, 7, 8, 2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1291, 10, 1465, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {3, -4, 7, 9, -8, -2, 10, -5, 1, 6}, Reidemeister 3}} → True
- » {1292, 10, 1466, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {3, -5, 7, 9, 8, -2, 10, 1, 4, 6}, 2-Pass}} → True
- » {1293, 10, 1467, {{3, -5, -8, 10, 7, -2, -9, 1, -6, 4}, {3, -5, -8, 7, -9, -2, -10, 1, -6, -4}, 2-Pass}} → True
- » {1294, 10, 1469, {{3, -5, -8, 10, 7, -2, 9, -1, 6, 4}, {2, 4, -7, 1, 9, 8, 10, -3, 5, 6}, 2-Pass}} → True
- » {1295, 10, 1470, {{3, -5, -8, 10, 7, -2, 9, -1, 6, 4}, {2, 5, -7, -9, 1, -8, -4, -10, -6, -3}, Reidemeister 3}} → True
- » {1296, 10, 1471, {{3, -5, -8, 10, 7, -2, 9, -1, 6, 4}, {3, -4, 5, -7, 8, 10, 9, -1, 2, 6}, Reidemeister 3}} → True
- » {1297, 10, 1472, {{3, -5, -8, 10, 7, -2, 9, -1, 6, 4}, {3, 4, -7, 1, -8, -10, -9, -2, -5, -6}, 2-Pass}} → True
- » {1298, 10, 1473, {{3, -5, -8, 10, 7, -2, 9, -1, 6, 4}, {3, -4, -7, 8, -2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1299, 10, 1475, {{3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, {2, 4, -7, 1, -9, -8, -10, -3, -5, -6}, 2-Pass}} → True
- » {1300, 10, 1476, {{3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, {2, 5, -8, -6, 1, -9, -3, -10, -4, -7}, 2-Pass}} → True
- » {1301, 10, 1477, {{3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, {3, -4, 5, -7, 8, -10, -9, 1, -2, -6}, Reidemeister 3}} → True
- » {1302, 10, 1478, {{3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, {3, 4, -7, 1, 8, 10, 9, -2, 5, 6}, 2-Pass}} → True
- » {1303, 10, 1479, {{3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, {3, -4, -7, 8, -2, 9, 10, -1, 6, 5}, Reidemeister 3}} → True
- » {1304, 10, 1480, {{3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, {3, -4, -7, 9, -8, -2, 10, -5, -1, 6}, Reidemeister 3}} → True

- » {1305, 10, 1481, {{3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, {3, -4, 8, -7, -2, -10, -9, 1, -5, -6}, 2-Pass}} → True
- » {1306, 10, 1483, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {2, 4, -6, 1, -8, -3, -10, -9, -5, -7}, 2-Pass}} → True
- » {1307, 10, 1484, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {2, 5, 7, -9, 1, -8, 4, -10, -6, -3}, Reidemeister 3}} → True
- » {1308, 10, 1485, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {2, 5, -8, -6, 1, 9, -3, 10, -4, 7}, 2-Pass}} → True
- » {1309, 10, 1486, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {2, 5, 10, -7, 1, 8, 9, -4, 6, 3}, 2-Pass}} → True
- » {1310, 10, 1487, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {2, 5, 10, -9, 1, -8, 4, -3, -6, 7}, 2-Pass}} → True
- » {1311, 10, 1488, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {3, -4, -5, 7, -8, 10, 9, -1, -2, 6}, Reidemeister 3}} → True
- » {1312, 10, 1489, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {3, -4, 7, -9, 8, -2, -10, 5, 1, -6}, Reidemeister 3}} → True
- » {1313, 10, 1490, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {3, 4, 8, 7, 2, -10, -9, 1, -5, -6}, 2-Pass}} → True
- » {1314, 10, 1491, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {3, -5, 7, -9, -8, -2, -10, 1, -4, -6}, 2-Pass}} → True
- » {1315, 10, 1492, {{3, -5, 8, 10, -7, -2, 9, -1, 6, 4}, {3, -5, 8, -7, -9, -2, 10, -1, 6, -4}, 2-Pass}} → True
- » {1316, 10, 1494, {{3, -5, 8, 10, 7, -2, 9, 1, 6, 4}, {3, -4, 5, 7, -8, 10, 9, -1, 2, 6}, Reidemeister 3}} → True
- » {1317, 10, 1495, {{3, -5, 8, 10, 7, -2, 9, 1, 6, 4}, {3, -4, 7, -8, -2, -9, -10, 1, -6, -5}, Reidemeister 3}} → True
- » {1318, 10, 1496, {{3, -5, 8, 10, 7, -2, 9, 1, 6, 4}, {3, -4, -8, 7, -2, 10, 9, -1, 5, 6}, 2-Pass}} → True
- » {1319, 10, 1498, {{3, 5, 8, 10, 7, 2, -9, 1, -6, 4}, {3, -4, -5, 7, -8, -10, -9, 1, -2, -6}, Reidemeister 3}} → True
- » {1320, 10, 1499, {{3, 5, 8, 10, 7, 2, -9, 1, -6, 4}, {3, -4, -7, 9, -8, -2, -10, -5, 1, -6}, Reidemeister 3}} → True
- » {1321, 10, 1500, {{3, 5, 8, 10, 7, 2, -9, 1, -6, 4}, {3, -5, -7, 9, 8, -2, -10, 1, 4, -6}, 2-Pass}} → True
- » {1322, 10, 1501, {{3, 5, 8, 10, 7, 2, -9, 1, -6, 4}, {3, 5, 8, 7, -9, 2, -10, 1, -6, -4}, 2-Pass}} → True
- » {1323, 10, 1503, {{3, -5, -9, 6, -2, -8, 10, -4, -1, 7}, {2, 4, 6, 9, 1, -8, 10, 3, -5, 7}, 2-Pass}} → True
- » {1324, 10, 1504, {{3, -5, -9, 6, -2, -8, 10, -4, -1, 7}, {2, 4, -8, 7, 1, -3, -9, 5, -10, -6}, Reidemeister 3}} → True
- » {1325, 10, 1506, {{3, -5, -9, 6, -2, 8, -10, -4, 1, -7}, {2, 4, 6, -9, 1, 8, -10, -3, 5, -7}, 2-Pass}} → True
- » {1326, 10, 1507, {{3, -5, -9, 6, -2, 8, -10, -4, 1, -7}, {2, 4, -8, 7, 1, -3, 9, -5, 10, 6}, Reidemeister 3}} → True
- » {1327, 10, 1508, {{3, -5, -9, 6, -2, 8, -10, -4, 1, -7}, {3, 5, 6, 10, -9, 8, -4, 1, 2, -7}, Reidemeister 3}} → True

- » {1328, 10, 1510,  
  {{3, -5, -9, 6, -2, 8, 10, 4, -1, 7}, {2, 4, -6, 9, 1, -8, 10, -3, -5, 7}, 2-Pass}} → True
- » {1329, 10, 1511,  
  {{3, -5, -9, 6, -2, 8, 10, 4, -1, 7}, {2, 4, -8, -7, 1, -3, -9, -5, -10, -6}, Reidemeister 3}} → True
- » {1330, 10, 1512,  
  {{3, -5, -9, 6, -2, 8, 10, 4, -1, 7}, {3, -5, 6, 10, 9, -8, 4, -1, 2, 7}, Reidemeister 3}} → True
- » {1331, 10, 1513, {{3, -5, -9, 6, -2, 8, 10, 4, -1, 7}, {3, -5, 8, 7, -1, 9, 4, 10, 2, 6}, 2-Pass}} → True
- » {1332, 10, 1515,  
  {{3, -5, 9, -6, -2, -8, -10, -4, 1, -7}, {3, -5, 6, 10, -9, 8, 4, -1, 2, -7}, Reidemeister 3}} → True
- » {1333, 10, 1516,  
  {{3, -5, 9, -6, -2, -8, -10, -4, 1, -7}, {3, 5, -8, 7, 1, -9, 4, -10, -2, -6}, 2-Pass}} → True
- » {1334, 10, 1518,  
  {{3, -5, 9, 6, -2, 8, 10, 4, 1, 7}, {3, -5, 6, 10, 9, -8, 4, 1, -2, 7}, Reidemeister 3}} → True
- » {1335, 10, 1524,  
  {{3, -5, -9, 7, 8, -2, -10, 4, 1, -6}, {2, 5, 7, 8, 1, -9, -10, 3, 4, -6}, 2-Pass}} → True
- » {1336, 10, 1525,  
  {{3, -5, -9, 7, 8, -2, -10, 4, 1, -6}, {2, 5, -8, -7, 1, 9, -3, -4, 10, 6}, Reidemeister 3}} → True
- » {1337, 10, 1526,  
  {{3, -5, -9, 7, 8, -2, -10, 4, 1, -6}, {3, -4, -9, 7, -8, -2, -10, 1, -5, -6}, 2-Pass}} → True
- » {1338, 10, 1527,  
  {{3, -5, -9, 7, 8, -2, -10, 4, 1, -6}, {3, -5, -7, 1, -8, -9, -10, -4, -2, -6}, 2-Pass}} → True
- » {1339, 10, 1529,  
  {{3, -5, -9, 7, 8, -2, 10, 4, -1, 6}, {2, 5, -7, -8, 1, 9, 10, -3, -4, 6}, 2-Pass}} → True
- » {1340, 10, 1530,  
  {{3, -5, -9, 7, 8, -2, 10, 4, -1, 6}, {2, 5, -8, -7, 1, -9, -3, -4, -10, -6}, Reidemeister 3}} → True
- » {1341, 10, 1531,  
  {{3, -5, -9, 7, 8, -2, 10, 4, -1, 6}, {3, -4, -5, 7, -8, -9, -10, 1, -2, -6}, Reidemeister 3}} → True
- » {1342, 10, 1532, {{3, -5, -9, 7, 8, -2, 10, 4, -1, 6}, {3, -5, 9, 7, -1, 8, 10, 4, 2, 6}, 2-Pass}} → True
- » {1343, 10, 1534, {{3, -5, 9, -7, -8, -2, -10, -4, 1, -6},  
  {3, -4, 5, -7, 8, -9, -10, 1, -2, -6}, Reidemeister 3}} → True
- » {1344, 10, 1535,  
  {{3, -5, 9, -7, -8, -2, -10, -4, 1, -6}, {3, -4, 9, -7, 8, -2, -10, 1, 5, -6}, 2-Pass}} → True
- » {1345, 10, 1536,  
  {{3, -5, 9, -7, -8, -2, -10, -4, 1, -6}, {3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, 2-Pass}} → True
- » {1346, 10, 1537,  
  {{3, -5, 9, -7, -8, -2, -10, -4, 1, -6}, {3, 5, 9, -7, 1, -8, -10, -4, 2, -6}, 2-Pass}} → True
- » {1347, 10, 1539,  
  {{3, -5, 9, 7, 8, -2, 10, 4, 1, 6}, {3, -4, 5, -7, 8, 9, 10, -1, 2, 6}, Reidemeister 3}} → True
- » {1348, 10, 1540,  
  {{3, -5, 9, 7, 8, -2, 10, 4, 1, 6}, {3, -4, 9, -7, -8, -2, 10, -1, -5, 6}, 2-Pass}} → True
- » {1349, 10, 1541,  
  {{3, -5, 9, 7, 8, -2, 10, 4, 1, 6}, {3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, 2-Pass}} → True



- » {1350, 10, 1543,
  - {3, 5, 9, -7, -8, 2, 10, -4, 1, 6}, {3, -5, 9, -7, -1, -8, 10, -4, 2, 6}, 2-Pass}} → True
- » {1351, 10, 1545,
  - {3, -5, -9, 8, 7, -2, -10, 4, 1, -6}, {2, 5, -8, -7, 1, 9, -4, -3, 10, 6}, Reidemeister 3}} → True
- » {1352, 10, 1546,
  - {3, -5, -9, 8, 7, -2, -10, 4, 1, -6}, {2, 5, 8, 7, 1, -9, -10, 3, 4, -6}, 2-Pass}} → True
- » {1353, 10, 1547,
  - {3, -5, -9, 8, 7, -2, -10, 4, 1, -6}, {3, -5, -7, 1, -8, -10, -9, -4, -2, -6}, 2-Pass}} → True
- » {1354, 10, 1549,
  - {3, -5, -9, 8, 7, -2, 10, 4, -1, 6}, {2, 5, -8, -7, 1, -9, -4, -3, -10, -6}, Reidemeister 3}} → True
- » {1355, 10, 1550,
  - {3, -5, -9, 8, 7, -2, 10, 4, -1, 6}, {2, 5, -8, -7, 1, 9, 10, -3, -4, 6}, 2-Pass}} → True
- » {1356, 10, 1551,
  - {3, -5, -9, 8, 7, -2, 10, 4, -1, 6}, {3, -4, -5, 7, -8, -10, -9, 1, -2, -6}, Reidemeister 3}} → True
- » {1357, 10, 1552,
  - {3, -5, -9, 8, 7, -2, 10, 4, -1, 6}, {3, 5, -8, 7, 1, -9, 4, -10, -2, -6}, Reidemeister 3}} → True
- » {1358, 10, 1553, {{3, -5, -9, 8, 7, -2, 10, 4, -1, 6}, {3, 5, 8, 10, 7, 2, -9, 1, -6, 4}, 2-Pass}} → True
- » {1359, 10, 1555, {{3, -5, 9, -8, -7, -2, -10, -4, 1, -6},
  - {3, -4, 5, -7, 8, -10, -9, 1, -2, -6}, Reidemeister 3}} → True
- » {1360, 10, 1556,
  - {3, -5, 9, -8, -7, -2, -10, -4, 1, -6}, {3, 5, -7, 1, -8, 10, 9, -4, -2, 6}, 2-Pass}} → True
- » {1361, 10, 1557,
  - {3, -5, 9, -8, -7, -2, -10, -4, 1, -6}, {3, 5, -8, 7, 1, 9, 4, 10, -2, 6}, Reidemeister 3}} → True
- » {1362, 10, 1558,
  - {3, -5, 9, -8, -7, -2, -10, -4, 1, -6}, {3, -5, 8, 10, -7, -2, -9, 1, -6, 4}, 2-Pass}} → True
- » {1363, 10, 1560,
  - {3, -5, 9, 8, 7, -2, 10, 4, 1, 6}, {3, -4, 5, -7, 8, 10, 9, -1, 2, 6}, Reidemeister 3}} → True
- » {1364, 10, 1561,
  - {3, -5, 9, 8, 7, -2, 10, 4, 1, 6}, {3, 5, -7, 1, 8, -10, -9, 4, -2, -6}, 2-Pass}} → True
- » {1365, 10, 1562, {{3, -5, 9, 8, 7, -2, 10, 4, 1, 6}, {3, -5, -8, 10, 7, -2, 9, -1, 6, 4}, 2-Pass}} → True
- » {1366, 10, 1564,
  - {3, 5, 9, -8, -7, 2, 10, -4, 1, 6}, {3, -5, -8, 7, -1, -9, 4, 10, -2, -6}, Reidemeister 3}} → True
- » {1367, 10, 1566, {{3, -5, 10, -7, -8, -9, -2, -4, -1, -6},
  - {3, -4, -5, 7, -8, -9, -10, 1, -2, -6}, Reidemeister 3}} → True
- » {1368, 10, 1567,
  - {3, -5, 10, -7, -8, -9, -2, -4, -1, -6}, {3, -5, -7, 8, 9, -2, -10, 1, 4, -6}, 2-Pass}} → True
- » {1369, 10, 1568,
  - {3, -5, 10, -7, -8, -9, -2, -4, -1, -6}, {3, -5, -9, 7, 8, -2, 10, 4, -1, 6}, 2-Pass}} → True
- » {1370, 10, 1570,
  - {3, -5, 10, -7, -8, 9, -2, -4, 1, 6}, {2, 4, -7, 1, -8, -9, -10, -3, -5, -6}, 2-Pass}} → True
- » {1371, 10, 1571,
  - {3, -5, 10, -7, -8, 9, -2, -4, 1, 6}, {3, -4, 5, -7, 8, -9, -10, 1, -2, -6}, Reidemeister 3}} → True

- » {1372, 10, 1572, {{3, -5, 10, -7, -8, 9, -2, -4, 1, 6}, {3, 4, -7, 1, 8, 9, 10, -2, 5, 6}, 2-Pass}} → True
- » {1373, 10, 1573, {{3, -5, 10, -7, -8, 9, -2, -4, 1, 6}, {3, -4, -7, 8, -2, 9, 10, -1, 5, 6}, Reidemeister 3}} → True
- » {1374, 10, 1574, {{3, -5, 10, -7, -8, 9, -2, -4, 1, 6}, {3, -4, 8, -7, -2, -9, -10, 1, -5, -6}, 2-Pass}} → True
- » {1375, 10, 1575, {{3, -5, 10, -7, -8, 9, -2, -4, 1, 6}, {3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, Reidemeister 3}} → True
- » {1376, 10, 1576, {{3, -5, 10, -7, -8, 9, -2, -4, 1, 6}, {3, -5, 9, -7, -8, -2, -10, -4, 1, -6}, 2-Pass}} → True
- » {1377, 10, 1578, {{3, -5, 10, -7, -8, 9, 2, -4, -1, 6}, {2, 4, -6, 1, 8, -3, 9, 10, 5, 7}, 2-Pass}} → True
- » {1378, 10, 1579, {{3, -5, 10, -7, -8, 9, 2, -4, -1, 6}, {3, 4, -6, 1, -8, -2, -9, -10, -5, -7}, 2-Pass}} → True
- » {1379, 10, 1580, {{3, -5, 10, -7, -8, 9, 2, -4, -1, 6}, {3, 4, 7, 8, 2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1380, 10, 1581, {{3, -5, 10, -7, -8, 9, 2, -4, -1, 6}, {3, -5, 7, 8, 9, -2, 10, 1, 4, 6}, 2-Pass}} → True
- » {1381, 10, 1583, {{3, -5, 10, 7, 8, -9, -2, 4, 1, -6}, {2, 4, -7, 1, 8, 9, 10, -3, 5, 6}, 2-Pass}} → True
- » {1382, 10, 1584, {{3, -5, 10, 7, 8, -9, -2, 4, 1, -6}, {3, -4, 5, -7, 8, 9, 10, -1, 2, 6}, Reidemeister 3}} → True
- » {1383, 10, 1585, {{3, -5, 10, 7, 8, -9, -2, 4, 1, -6}, {3, 4, -7, 1, -8, -9, -10, -2, -5, -6}, 2-Pass}} → True
- » {1384, 10, 1586, {{3, -5, 10, 7, 8, -9, -2, 4, 1, -6}, {3, -4, -7, 8, -2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1385, 10, 1587, {{3, -5, 10, 7, 8, -9, -2, 4, 1, -6}, {3, -4, 8, -7, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {1386, 10, 1588, {{3, -5, 10, 7, 8, -9, -2, 4, 1, -6}, {3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, Reidemeister 3}} → True
- » {1387, 10, 1589, {{3, -5, 10, 7, 8, -9, -2, 4, 1, -6}, {3, -5, 9, 7, 8, -2, 10, 4, 1, 6}, 2-Pass}} → True
- » {1388, 10, 1592, {{3, -5, 10, 7, 8, -9, 2, 4, -1, -6}, {2, 4, -6, 1, -8, -3, -9, -10, -5, -7}, 2-Pass}} → True
- » {1389, 10, 1593, {{3, -5, 10, 7, 8, -9, 2, 4, -1, -6}, {3, -4, -5, 7, -8, 9, 10, -1, -2, 6}, Reidemeister 3}} → True
- » {1390, 10, 1594, {{3, -5, 10, 7, 8, -9, 2, 4, -1, -6}, {3, 4, -6, 1, 8, -2, 9, 10, 5, 7}, 2-Pass}} → True
- » {1391, 10, 1595, {{3, -5, 10, 7, 8, -9, 2, 4, -1, -6}, {3, 4, 8, 7, 2, -9, -10, 1, -5, -6}, 2-Pass}} → True
- » {1392, 10, 1596, {{3, -5, 10, 7, 8, -9, 2, 4, -1, -6}, {3, 5, 7, 1, 8, -9, -10, 4, 2, -6}, Reidemeister 3}} → True
- » {1393, 10, 1597, {{3, -5, 10, 7, 8, -9, 2, 4, -1, -6}, {3, -5, 7, -8, -9, -2, -10, 1, -4, -6}, 2-Pass}} → True
- » {1394, 10, 1599, {{3, 5, 10, -7, -8, 9, 2, -4, 1, 6}, {3, -5, 7, 1, -8, 9, 10, -4, -2, 6}, Reidemeister 3}} → True

- » {1395, 10, 1600,  
  {{3, 5, 10, -7, -8, 9, 2, -4, 1, 6}, {3, -5, 10, -7, -8, 9, 2, -4, -1, 6}, 2-Pass}} → True
- » {1396, 10, 1602,  
  {{3, 5, 10, 7, 8, -9, 2, 4, 1, -6}, {3, -4, 5, 7, -8, 9, 10, -1, 2, 6}, Reidemeister 3}} → True
- » {1397, 10, 1603,  
  {{3, 5, 10, 7, 8, -9, 2, 4, 1, -6}, {3, -4, 7, -8, -2, -9, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1398, 10, 1604, {{3, 5, 10, 7, 8, -9, 2, 4, 1, -6}, {3, -4, -8, 7, -2, 9, 10, -1, 5, 6}, 2-Pass}} → True
- » {1399, 10, 1606,  
  {{3, -8, -6, 7, -9, -2, 10, -1, -4, -5}, {3, 5, 7, 8, 9, 2, -10, 1, 4, -6}, Reidemeister 3}} → True
- » {1400, 10, 1607,  
  {{3, -8, -6, 7, -9, -2, 10, -1, -4, -5}, {3, -5, 9, -7, -1, -8, 10, -4, 2, 6}, 2-Pass}} → True
- » {1401, 10, 1609,  
  {{3, -8, -6, 7, 9, -2, 10, -1, 4, 5}, {3, 5, 7, -8, -9, 2, -10, 1, -4, -6}, Reidemeister 3}} → True
- » {1402, 10, 1611,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -4, -5}, {2, 5, -7, -8, 1, -9, -4, -3, -10, -6}, 2-Pass}} → True
- » {1403, 10, 1612,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -4, -5}, {2, 5, -7, -8, 1, 9, 10, -3, -4, 6}, 2-Pass}} → True
- » {1404, 10, 1613,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -4, -5}, {3, -4, -5, 7, -8, -9, -10, 1, -2, -6}, 2-Pass}} → True
- » {1405, 10, 1614,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -4, -5}, {3, -5, -7, 8, 9, -2, -10, 1, 4, -6}, Reidemeister 3}} → True
- » {1406, 10, 1615,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -4, -5}, {3, -5, 9, 7, -1, 8, 10, 4, 2, 6}, 2-Pass}} → True
- » {1407, 10, 1617,  
  {{3, -8, 6, 7, 9, 2, 10, -1, 4, 5}, {3, -4, -5, 7, -8, 9, 10, -1, -2, 6}, 2-Pass}} → True
- » {1408, 10, 1618,  
  {{3, -8, 6, 7, 9, 2, 10, -1, 4, 5}, {3, -5, 7, -8, -9, -2, -10, 1, -4, -6}, Reidemeister 3}} → True
- » {1409, 10, 1620,  
  {{3, 8, 6, -7, -9, 2, -10, 1, -4, -5}, {2, 5, -7, -8, 1, -9, -10, -3, -4, -6}, 2-Pass}} → True
- » {1410, 10, 1621,  
  {{3, 8, 6, -7, -9, 2, -10, 1, -4, -5}, {3, -5, -7, 8, 9, -2, 10, -1, 4, 6}, Reidemeister 3}} → True
- » {1411, 10, 1623,  
  {{3, 8, 6, 7, -9, 2, 10, 1, -4, -5}, {3, -5, -9, 7, -1, -8, 10, 4, -2, 6}, 2-Pass}} → True
- » {1412, 10, 1625,  
  {{3, -8, -6, 7, -9, -2, 10, -1, -5, -4}, {3, 5, 7, 9, 8, 2, -10, 1, 4, -6}, Reidemeister 3}} → True
- » {1413, 10, 1626,  
  {{3, -8, -6, 7, -9, -2, 10, -1, -5, -4}, {3, 5, 8, -7, 1, 9, -4, 10, 2, 6}, Reidemeister 3}} → True
- » {1414, 10, 1628,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {2, 5, -7, -8, 1, 9, 10, -4, -3, 6}, 2-Pass}} → True
- » {1415, 10, 1629,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {2, 5, -8, -7, 1, -9, -4, -3, -10, -6}, 2-Pass}} → True
- » {1416, 10, 1630,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {3, -4, -5, 7, -8, -10, -9, 1, -2, -6}, 2-Pass}} → True

- » {1417, 10, 1631,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {3, -5, 6, -7, -9, 8, 10, -1, 2, -4}, Reidemeister 3}} → True
- » {1418, 10, 1632,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {3, -5, 6, 10, -9, 8, 4, -1, 2, -7}, 2-Pass}} → True
- » {1419, 10, 1633,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {3, -5, -7, 9, 8, -2, -10, 1, 4, -6}, Reidemeister 3}} → True
- » {1420, 10, 1634,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {3, 5, -8, 7, 1, -9, 4, -10, -2, -6}, Reidemeister 3}} → True
- » {1421, 10, 1635,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {3, 5, 8, 7, -9, 2, -10, 1, -6, -4}, 2-Pass}} → True
- » {1422, 10, 1636,  
  {{3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, {3, -5, -9, 8, 7, -2, 10, 4, -1, 6}, 2-Pass}} → True
- » {1423, 10, 1638,  
  {{3, -8, 6, 7, 9, 2, 10, -1, 5, 4}, {3, -4, -5, 7, -8, 10, 9, -1, -2, 6}, 2-Pass}} → True
- » {1424, 10, 1639,  
  {{3, -8, 6, 7, 9, 2, 10, -1, 5, 4}, {3, -5, -6, 7, -9, -8, -10, 1, -2, -4}, Reidemeister 3}} → True
- » {1425, 10, 1640,  
  {{3, -8, 6, 7, 9, 2, 10, -1, 5, 4}, {3, -5, -6, 10, -9, -8, -4, 1, -2, 7}, 2-Pass}} → True
- » {1426, 10, 1641,  
  {{3, -8, 6, 7, 9, 2, 10, -1, 5, 4}, {3, -5, 7, -9, -8, -2, -10, 1, -4, -6}, Reidemeister 3}} → True
- » {1427, 10, 1642, {{3, -8, 6, 7, 9, 2, 10, -1, 5, 4}, {3, -5, -8, 7, 9, -2, 10, -1, 6, 4}, 2-Pass}} → True
- » {1428, 10, 1644,  
  {{3, 8, 6, -7, -9, 2, -10, 1, -5, -4}, {2, 5, -7, -8, 1, -9, -10, -4, -3, -6}, 2-Pass}} → True
- » {1429, 10, 1645,  
  {{3, 8, 6, -7, -9, 2, -10, 1, -5, -4}, {3, -5, 6, -7, -9, 8, -10, 1, -2, -4}, Reidemeister 3}} → True
- » {1430, 10, 1646,  
  {{3, 8, 6, -7, -9, 2, -10, 1, -5, -4}, {3, -5, -7, 9, 8, -2, 10, -1, 4, 6}, Reidemeister 3}} → True
- » {1431, 10, 1647,  
  {{3, 8, 6, -7, -9, 2, -10, 1, -5, -4}, {3, -5, 8, -7, -9, -2, -10, 1, -6, -4}, 2-Pass}} → True
- » {1432, 10, 1649,  
  {{3, 8, 6, 7, -9, 2, 10, 1, -5, -4}, {3, -5, 6, 7, -9, 8, 10, 1, -2, -4}, Reidemeister 3}} → True
- » {1433, 10, 1650,  
  {{3, 8, 6, 7, -9, 2, 10, 1, -5, -4}, {3, -5, 8, -7, -1, -9, -4, 10, 2, -6}, Reidemeister 3}} → True
- » {1434, 10, 1651,  
  {{3, 8, 6, 7, -9, 2, 10, 1, -5, -4}, {3, -5, 8, 7, -9, -2, 10, 1, -6, -4}, 2-Pass}} → True
- » {1435, 10, 1653,  
  {{3, -8, -9, 7, -1, -2, 10, 4, -5, 6}, {3, 4, -9, 7, -8, -2, 10, 1, -5, 6}, Reidemeister 3}} → True
- » {1436, 10, 1654,  
  {{3, -8, -9, 7, -1, -2, 10, 4, -5, 6}, {3, 5, 7, -8, -9, 2, 10, 1, -4, 6}, 2-Pass}} → True
- » {1437, 10, 1656, {{3, -8, -9, 7, 1, -2, -10, 4, -5, -6},  
  {3, -4, -9, 7, -8, -2, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1438, 10, 1657,  
  {{3, -8, -9, 7, 1, -2, -10, 4, -5, -6}, {3, -5, -7, 1, -8, -9, -10, -4, -2, -6}, 2-Pass}} → True

- » {1439, 10, 1658,
  - {3, -8, -9, 7, 1, -2, -10, 4, -5, -6}, {3, -5, 7, -8, -9, -2, 10, -1, -4, 6}, 2-Pass}} → True
- » {1440, 10, 1659,
  - {3, -8, -9, 7, 1, -2, -10, 4, -5, -6}, {3, -5, -9, 7, 8, -2, -10, 4, 1, -6}, Reidemeister 3}} → True
- » {1441, 10, 1661, {{3, -8, 9, -7, -1, 2, 10, -4, 5, 6}, {3, 5, 7, 8, 9, 2, -10, 1, 4, -6}, 2-Pass}} → True
- » {1442, 10, 1662,
  - {3, -8, 9, -7, -1, 2, 10, -4, 5, 6}, {3, -5, 9, -7, -1, -8, 10, -4, 2, 6}, Reidemeister 3}} → True
- » {1443, 10, 1663,
  - {3, -8, 9, -7, -1, 2, 10, -4, 5, 6}, {3, 5, 9, -7, -8, 2, 10, -4, 1, 6}, Reidemeister 3}} → True
- » {1444, 10, 1666,
  - {3, -8, 9, -7, 1, -2, -10, -4, 5, -6}, {3, -4, 9, -7, 8, -2, -10, 1, 5, -6}, Reidemeister 3}} → True
- » {1445, 10, 1667,
  - {3, -8, 9, -7, 1, -2, -10, -4, 5, -6}, {3, 5, -7, 1, -8, 9, 10, -4, -2, 6}, 2-Pass}} → True
- » {1446, 10, 1668,
  - {3, -8, 9, -7, 1, -2, -10, -4, 5, -6}, {3, 5, 9, -7, 1, -8, -10, -4, 2, -6}, Reidemeister 3}} → True
- » {1447, 10, 1669, {{3, -8, 9, -7, 1, -2, -10, -4, 5, -6},
  - {3, -5, 9, -7, -8, -2, -10, -4, 1, -6}, Reidemeister 3}} → True
- » {1448, 10, 1672,
  - {3, -8, 9, 7, -1, 2, 10, 4, -5, 6}, {3, 4, 9, 7, -8, 2, 10, 1, -5, 6}, Reidemeister 3}} → True
- » {1449, 10, 1673,
  - {3, -8, 9, 7, -1, 2, 10, 4, -5, 6}, {3, -5, -7, 8, 9, -2, -10, 1, 4, -6}, 2-Pass}} → True
- » {1450, 10, 1674,
  - {3, -8, 9, 7, -1, 2, 10, 4, -5, 6}, {3, -5, 9, 7, -1, 8, 10, 4, 2, 6}, Reidemeister 3}} → True
- » {1451, 10, 1675,
  - {3, -8, 9, 7, -1, 2, 10, 4, -5, 6}, {3, -5, -9, 7, 8, -2, 10, 4, -1, 6}, Reidemeister 3}} → True
- » {1452, 10, 1677,
  - {3, -8, 9, 7, 1, -2, 10, 4, -5, 6}, {3, -4, 9, -7, -8, -2, 10, -1, -5, 6}, Reidemeister 3}} → True
- » {1453, 10, 1678,
  - {3, -8, 9, 7, 1, -2, 10, 4, -5, 6}, {3, 5, -7, 1, 8, -9, -10, 4, -2, -6}, 2-Pass}} → True
- » {1454, 10, 1679,
  - {3, -8, 9, 7, 1, -2, 10, 4, -5, 6}, {3, -5, 9, 7, 8, -2, 10, 4, 1, 6}, Reidemeister 3}} → True
- » {1455, 10, 1681,
  - {3, 8, 9, -7, 1, 2, 10, -4, 5, 6}, {3, -4, -9, 7, -8, -2, -10, 1, -5, -6}, Reidemeister 3}} → True
- » {1456, 10, 1682,
  - {3, 8, 9, -7, 1, 2, 10, -4, 5, 6}, {3, -8, -9, 7, 1, -2, -10, 4, -5, -6}, 2-Pass}} → True
- » {1457, 10, 1684, {{4, -5, -6, -7, 8, -9, -10, 1, -2, -3},
  - {3, -8, -9, 7, 1, -2, -10, 4, -5, -6}, Reidemeister 3}} → True
- » {1458, 10, 1685,
  - {4, -5, -6, -7, 8, -9, -10, 1, -2, -3}, {3, 8, 9, -7, 1, 2, 10, -4, 5, 6}, Reidemeister 3}} → True
- » {1459, 10, 1687,
  - {4, -5, -6, 7, -8, -9, 10, 1, -2, 3}, {3, -8, 9, -7, -1, 2, 10, -4, 5, 6}, Reidemeister 3}} → True
- » {1460, 10, 1689,
  - {4, -5, 6, -7, 8, -9, 10, -1, 2, -3}, {3, -8, 9, -7, 1, -2, -10, -4, 5, -6}, Reidemeister 3}} → True

- » {1461, 10, 1691, {{4, 5, -7, -8, 1, -9, -10, -3, -2, -6}, {2, 5, -7, -8, 1, -9, -4, -3, -10, -6}, 2-Pass}} → True
- » {1462, 10, 1692, {{4, 5, -7, -8, 1, -9, -10, -3, -2, -6}, {2, 5, -7, -8, 1, 9, 10, -3, -4, 6}, 2-Pass}} → True
- » {1463, 10, 1693, {{4, 5, -7, -8, 1, -9, -10, -3, -2, -6}, {2, 5, -8, -7, 1, -9, -3, -4, -10, -6}, 2-Pass}} → True
- » {1464, 10, 1694, {{4, 5, -7, -8, 1, -9, -10, -3, -2, -6}, {3, -5, -7, 8, 9, -2, -10, 1, 4, -6}, 2-Pass}} → True
- » {1465, 10, 1695, {{4, 5, -7, -8, 1, -9, -10, -3, -2, -6}, {3, -5, -9, 7, 8, -2, 10, 4, -1, 6}, 2-Pass}} → True
- » {1466, 10, 1696, {{4, 5, -7, -8, 1, -9, -10, -3, -2, -6}, {3, -8, 6, -7, -9, 2, 10, -1, -4, -5}, Reidemeister 3}} → True
- » {1467, 10, 1698, {{4, 5, -7, -8, 1, 9, 10, -3, -2, 6}, {2, 5, -7, -8, 1, -9, -10, -3, -4, -6}, 2-Pass}} → True
- » {1468, 10, 1699, {{4, 5, -7, -8, 1, 9, 10, -3, -2, 6}, {3, -5, -7, 8, 9, -2, 10, -1, 4, 6}, 2-Pass}} → True
- » {1469, 10, 1700, {{4, 5, -7, -8, 1, 9, 10, -3, -2, 6}, {3, 8, 6, -7, -9, 2, -10, 1, -4, -5}, Reidemeister 3}} → True
- » {1470, 10, 1702, {{4, 5, -8, -7, 1, -9, -10, -3, -2, -6}, {2, 5, -7, -8, 1, 9, 10, -4, -3, 6}, 2-Pass}} → True
- » {1471, 10, 1703, {{4, 5, -8, -7, 1, -9, -10, -3, -2, -6}, {2, 5, -8, -7, 1, -9, -4, -3, -10, -6}, 2-Pass}} → True
- » {1472, 10, 1704, {{4, 5, -8, -7, 1, -9, -10, -3, -2, -6}, {3, -5, -7, 9, 8, -2, -10, 1, 4, -6}, 2-Pass}} → True
- » {1473, 10, 1705, {{4, 5, -8, -7, 1, -9, -10, -3, -2, -6}, {3, 5, -8, 7, 1, -9, 4, -10, -2, -6}, 2-Pass}} → True
- » {1474, 10, 1706, {{4, 5, -8, -7, 1, -9, -10, -3, -2, -6}, {3, -5, -9, 8, 7, -2, 10, 4, -1, 6}, 2-Pass}} → True
- » {1475, 10, 1707, {{4, 5, -8, -7, 1, -9, -10, -3, -2, -6}, {3, -8, 6, -7, -9, 2, 10, -1, -5, -4}, Reidemeister 3}} → True
- » {1476, 10, 1709, {{4, 5, -8, -7, 1, 9, 10, -3, -2, 6}, {2, 5, -7, -8, 1, -9, -10, -4, -3, -6}, 2-Pass}} → True
- » {1477, 10, 1710, {{4, 5, -8, -7, 1, 9, 10, -3, -2, 6}, {3, -5, -7, 9, 8, -2, 10, -1, 4, 6}, 2-Pass}} → True
- » {1478, 10, 1711, {{4, 5, -8, -7, 1, 9, 10, -3, -2, 6}, {3, 8, 6, -7, -9, 2, -10, 1, -5, -4}, Reidemeister 3}} → True

(Alt) Out[]=



(Alt) In[]:=

**Count[tab, False, ∞]**

(Alt) Out[]=

0

```
(Alt) In[ ]:=  
    Count[tab, True, ∞]
```

```
(Alt) Out[ ]=  
    1478
```

```
(Alt) In[ ]:=  
    Count[tab, Null, ∞]
```

```
(Alt) Out[ ]=  
    639
```

```
(Alt) In[ ]:=  
    Total[Length /@ tab]
```

```
(Alt) Out[ ]=  
    2117
```

```
(Alt) In[ ]:=  
    1478 + 639
```

```
(Alt) Out[ ]=  
    2117
```