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$PrePrint = If[MatrixQ@#, MatrixForm@#, #] &;
MΓ@Γ[ω_, λ_, L_] := Prepend[Prepend[λT, t# & /@ L]T, Prepend[h# & /@ L, ω]];
Format@Γ@i__ := MatrixForm@MΓ@Γ@i;
Γ /: Γ[ω1_, λ1_, L1_] Γ[ω2_, λ2_, L2_] := Module[
  {S = Ordering@Join[L1, L2]}, Γ[ω1 ω2, Join[Join[#, Table[0, {Length@λ2}]] & /@ λ1,
    Join[Table[0, {Length@λ1}], #] & /@ λ2][[S]]T[[S]]T, Union[L1, L2]];
P /: P[i_, j_] P[j_, k_] := P[i, k];
P /: P[i_, j_] P[i_, k_] := P[j, k];
P /: P[i_, j_] P[k_, j_] := P[i, k];
P /: P[i_, i_] := -t1/2 -  $\frac{1}{t^{1/2}}$ ;
P /: P[i__]2 := -t1/2 -  $\frac{1}{t^{1/2}}$ ;
Sa,b→c@K_ := S{a,b}→c@K;
S{a__}→c@K_ := If[Length@List@a == 1, K, MS{a}→c@M@K];
Ra,b→c@Γ[ω_, λ_, L_] :=
  Module[{i = FirstPosition[L, a][[1]], j = FirstPosition[L, b][[1]]},
    Module[{S = Join[{c}, Delete[L, {{i}, {j}}]}, α = λ[[i]][[i]], β = 1 - λ[[i]][[j]], γ = λ[[j]][[i]],
      δ = λ[[j]][[j]], θ = Delete[λ[[i]], {{i}, {j}}], ε = Delete[λ[[j]], {{i}, {j}}],
      φ = Delete[λT[[i]], {{i}, {j}}], ψ = Delete[λT[[j]], {{i}, {j}}],
      Ξ = If[Length@L == 2, {}, Delete[Delete[λ, {{i}, {j}}]T, {{i}, {j}}]T],
      Γ[Apart[β ω], Apart@Join[{Join[{γ +  $\frac{\alpha \delta}{\beta}$ ], ε +  $\frac{\delta \theta}{\beta}$ ]}], Join[{φ +  $\frac{\alpha \psi}{\beta}$ ], If[Ξ == {},
        {}, (Ξ +  $\frac{\{\psi\}^T \cdot \{\theta\}}{\beta}$ )T]}]T][[Ordering@S]]T[[Ordering@S]]T, Union@S]];
MS{a__}→c@Γ@i__ := Module[{x = (Γ@i /. Table[Tj → Tc, {j, {a}}])}, j],
  For[j = 1, j < Length@{a}, j++, x = R{a}[[j]], {a}[[j+1]] => If[j+1 == Length@{a}, c, {a}[[j+1]]]@x];
  x];
MRra,b := Γ[1, ( $\begin{matrix} 1 & 1 - T_a \\ 0 & T_a \end{matrix}$ ), {a, b}];
MRla,b := MRra,b /. Ta →  $\frac{1}{T_a}$ ;
M@K_ := ToR@K /. {Rri → MRri, Rli → MRli};
ToX@K_ := Module[{x = If[Count[ToR@K, (Rr | Rl)_] == 0, 2, 2 Length@K]},
  ToR@K /. {Rra,b → Xb, Mod[a,x]+1, Mod[b,x]+1, a, Rla,b → Xb, a, Mod[b,x]+1, Mod[a,x]+1}}];
ToR@K_ := K /. {Rr@i__ → Rri, Rl@i__ → Rli, X@i__ → Xi,
  Xi,j,k,l → If[(j == l + 1 || j == 1 && l ≠ 2 || k == l) && j ≠ k, Rrl,i, Rlj,i]}];
MA@K_ := Module[{q = Apart@Module[
  {p = Module[{x = If[MatrixQ@K, K, MΓ@K]}, If[Length@x == 2 && Length@x[[1]] == 2,
    x[[1]][[1]] /. T_ → t, 0]}], p t $\frac{\text{Exponent}[p, t] - \text{Exponent}[p, t]}{2}$ ]}],
  If[IntegerQ[q /. t → 1] && PolynomialQ[q /. ti_Integer → t, t],
    q If[Sign@Coefficient[q, t, 0] ≥ 0, 1, -1], 0]];

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B@K_ := SModule[{V={}},ToR@K/.(Rr|Rl)_a_>{(V=Union[V,{a}]);V}>1@K;
B@Gamma[i_,L_] := S_{L-1}@Gamma[i,L];
A@K_ := MA@B@ToR@K;
A@X_ := 1;
A@X[_] := 1;
A@Gamma@i_ := MA@B@Gamma@i;
A@0 := 0;

J@K_ := Module[{p = Apart[

$$\frac{t^{\frac{3}{4}(\text{Count}[\text{ToR@K},\text{Rr}_-]-\text{Count}[\text{ToR@K},\text{Rl}_-])}}{t^{\frac{1}{2} + \frac{1}{t^2}}}$$

Module[{V={}},Module[{k=ToX@K,r=X_{i,j,k,l}>{(V=Union[V,{i,j,k,l}];

$$\frac{P[i,j]P[k,l]}{t^{\frac{1}{4}}} + t^{\frac{1}{4}}P[i,l]P[j,k]}$$

Module[{x=(k[[1]]/.r)  $\frac{k}{k[[1]]}$ },
Do[x=Module[{v=x[[1]]x[[1+Ordering[Length[Complement[#,V]]]&/@
Module[{S={}},AppendTo[S,List@@#[[2];]];&/@x[[2];]];
S]][[1]]}],Expand[v/.r]  $\frac{x}{v}$ ],{Length@x-2}];
Expand[x/.r]]]]],If[IntegerQ[p/.{t->1,P@->Infinity}]&&
PolynomialQ[p/.t^{i_Integer->t,t}],If[Sign@Coefficient[p,t,0]>=0,1,-1]p/.
t->t^{If[Sign@Differences[Module[{i=0},While[!PolynomialQ[Apart[#t^i],t],i++];i]&/@{p,p/.t->1/t}][[1]]>0,1,-1]
0]];
J@X_ := 1;
J@X[_] := 1;
J@0 := 0;
K@_ := 0;
V :=
Prepend[Module[{R={61,88,89,820,927,941,946,103,1022,1035,1042,1048,1075,1087,
1099,10123,10129,10137,10140,10153,10155}},
{#,KnotData[List@@#, "AlexanderPolynomial"]@t===A@K@#,
MemberQ[Table[KnotData[List@@#, "JonesPolynomial"]@i,{i,{t,1/t}}]},
J@K@#}&/@R],{"", "Alexander", "Jones"}]^T;

(*K@61=X_{1,8,2,9}X_{4,16,5,15}X_{5,2,6,3}X_{6,12,7,11}X_{9,16,10,1}X_{12,8,13,7}X_{13,10,14,11}X_{14,4,15,3};
K@88=X_{1,14,2,15}X_{3,26,4,27}X_{6,16,7,15}X_{8,30,9,29}X_{9,20,10,21}X_{10,6,11,5}X_{11,2,12,3}X_{12,24,13,23}
X_{17,30,18,31}X_{19,16,20,17}X_{22,26,23,25}X_{24,14,25,13}X_{27,4,28,5}X_{28,22,29,21}X_{31,18,32,19}X_{32,8,1,7};
K@89=X_{1,27,2,26}X_{2,12,3,11}X_{4,27,5,28}X_{7,16,8,17}X_{8,31,9,32}X_{12,4,13,3}X_{13,24,14,25}X_{14,22,15,21}X_{15,6,16,7}
X_{19,33,20,32}X_{20,18,21,17}X_{23,29,24,28}X_{25,10,26,11}X_{29,23,30,22}X_{30,5,31,6}X_{33,19,34,18}X_{34,9,1,10};
K@820=X_{2,15,3,16}X_{3,10,4,11}X_{5,18,6,19}X_{7,4,8,5}X_{8,14,9,13}X_{12,18,13,17}
X_{14,10,15,9}X_{16,1,17,2}X_{19,6,20,7}X_{20,12,1,11};
K@927=X_{5,21,6,20}X_{7,4,8,5}X_{10,29,11,30}X_{12,48,13,47}X_{13,27,14,26}X_{16,2,17,1}X_{17,31,18,30}X_{18,41,19,42}

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$X_{19,7,20,6} X_{22,9,23,10} X_{23,39,24,38} X_{24,33,25,34} X_{25,15,26,14} X_{31,2,32,3} X_{34,27,35,28} X_{35,48,36,49} X_{37,29,38,28}$   
 $X_{40,4,41,3} X_{42,21,43,22} X_{43,8,44,9} X_{44,40,45,39} X_{45,32,46,33} X_{46,16,47,15} X_{49,36,50,37} X_{50,12,1,11}$  ;  
 $K@9_{41} = X_2, 18, 3, 17 X_3, 42, 4, 43 X_6, 14, 7, 13 X_8, 40, 9, 39 X_9, 20, 10, 21 X_{11}, 38, 12, 39 X_{15}, 32, 16, 33 X_{16}, 6, 17, 5$   
 $X_{21,10,22,11} X_{22,28,23,27} X_{23,36,24,37} X_{24,2,25,1} X_{26,38,27,37} X_{28,20,29,19} X_{29,40,30,41} X_{31,14,32,15}$   
 $X_{34,42,35,41} X_{35,18,36,19} X_{43,4,44,5} X_{44,34,45,33} X_{45,30,46,31} X_{46,8,47,7} X_{47,12,48,13} X_{48,26,1,25}$  ;  
 $K@9_{46} = X_3, 18, 4, 19 X_4, 8, 5, 7 X_5, 12, 6, 13 X_8, 2, 9, 1 X_{10}, 15, 11, 16 X_{13}, 6, 14, 7$   
 $X_{14,20,15,19} X_{16,9,17,10} X_{17,2,18,3} X_{20,12,1,11}$  ;  
 $K@10_3 = X_2, 31, 3, 32 X_4, 29, 5, 30 X_5, 20, 6, 21 X_8, 36, 9, 35 X_9, 16, 10, 17 X_{12}, 40, 13, 39 X_{13}, 10, 14, 11$   
 $X_{14,24,15,23} X_{17,6,18,7} X_{18,28,19,27} X_{21,40,22,1} X_{24,16,25,15} X_{25,36,26,37}$   
 $X_{28,20,29,19} X_{30,3,31,4} X_{32,1,33,2} X_{33,26,34,27} X_{34,8,35,7} X_{37,22,38,23} X_{38,12,39,11}$  ;  
 $K@10_{22} = X_1, 24, 2, 25 X_2, 46, 3, 45 X_9, 20, 10, 21 X_{10}, 50, 11, 49 X_{11}, 28, 12, 29 X_{12}, 42, 13, 41 X_{16}, 6, 17, 5 X_{18}, 32, 19, 31 X_{19}, 8, 20, 9$   
 $X_{21,30,22,31} X_{23,4,24,5} X_{26,40,27,39} X_{27,14,28,15} X_{33,52,34,53} X_{34,18,35,17} X_{35,22,36,23} X_{36,48,37,47} X_{37,44,38,45}$   
 $X_{38,26,39,25} X_{42,14,43,13} X_{43,40,44,41} X_{46,4,47,3} X_{48,30,49,29} X_{50,8,51,7} X_{51,32,52,33} X_{53,6,54,7} X_{54,16,1,15}$  ;  
 $K@10_{35} = X_3, 24, 4, 25 X_4, 38, 5, 37 X_7, 42, 8, 43 X_8, 20, 9, 19 X_9, 16, 10, 17 X_{10}, 46, 11, 45 X_{14}, 30, 15, 29 X_{15}, 12, 16, 13$   
 $X_{17,32,18,33} X_{20,2,21,1} X_{22,36,23,35} X_{23,6,24,7} X_{25,40,26,41} X_{26,22,27,21} X_{27,48,28,1} X_{28,14,29,13}$   
 $X_{33,18,34,19} X_{34,44,35,43} X_{38,6,39,5} X_{39,36,40,37} X_{41,2,42,3} X_{44,32,45,31} X_{46,12,47,11} X_{47,30,48,31}$  ;  
 $K@10_{42} = X_1, 16, 2, 17 X_2, 50, 3, 49 X_3, 63, 4, 62 X_5, 61, 6, 60 X_7, 59, 8, 58 X_9, 36, 10, 37 X_{12}, 66, 13, 65 X_{14}, 30, 15, 29$   
 $X_{15,68,16,69} X_{17,38,18,39} X_{19,70,20,71} X_{22,40,23,39} X_{24,74,25,73} X_{25,44,26,45} X_{26,22,27,21}$   
 $X_{27,18,28,19} X_{28,48,29,47} X_{31,52,32,53} X_{32,14,33,13} X_{33,10,34,11} X_{34,56,35,55} X_{41,74,42,75}$   
 $X_{43,40,44,41} X_{46,70,47,69} X_{48,38,49,37} X_{50,68,51,67} X_{51,30,52,31} X_{53,66,54,67} X_{56,36,57,35} X_{57,9,58,8}$   
 $X_{59,7,60,6} X_{61,5,62,4} X_{63,54,64,55} X_{64,12,65,11} X_{71,20,72,21} X_{72,46,73,45} X_{75,42,76,43} X_{76,24,1,23}$  ;  
 $K@10_{48} = X_2, 22, 3, 21 X_5, 1, 6, 50 X_7, 16, 8, 17 X_8, 47, 9, 48 X_{11}, 14, 12, 15 X_{12}, 45, 13, 46 X_{18}, 34, 19, 33 X_{19}, 6, 20, 7 X_{22}, 4, 23, 3$   
 $X_{23,36,24,37} X_{24,30,25,29} X_{25,10,26,11} X_{27,47,28,46} X_{28,16,29,15} X_{31,49,32,48} X_{32,18,33,17} X_{34,49,35,50}$   
 $X_{37,20,38,21} X_{38,1,39,2} X_{39,5,40,4} X_{40,35,41,36} X_{41,31,42,30} X_{42,9,43,10} X_{43,27,44,26} X_{44,13,45,14}$  ;  
 $K@10_{75} = X_2, 30, 3, 29 X_4, 52, 5, 51 X_5, 28, 6, 29 X_8, 56, 9, 55 X_{10}, 22, 11, 21 X_{11}, 58, 12, 59 X_{13}, 20, 14, 21 X_{16}, 64, 17, 63$   
 $X_{17,14,18,15} X_{18,36,19,35} X_{23,40,24,41} X_{24,10,25,9} X_{25,6,26,7} X_{26,44,27,43} X_{31,48,32,49} X_{32,2,33,1}$   
 $X_{33,64,34,1} X_{36,20,37,19} X_{38,58,39,57} X_{39,22,40,23} X_{41,56,42,57} X_{44,28,45,27} X_{45,52,46,53} X_{47,30,48,31}$   
 $X_{49,46,50,47} X_{50,4,51,3} X_{53,42,54,43} X_{54,8,55,7} X_{59,12,60,13} X_{60,38,61,37} X_{61,34,62,35} X_{62,16,63,15}$  ;  
 $K@10_{87} = X_1, 55, 2, 54 X_2, 25, 3, 26 X_4, 59, 5, 60 X_6, 35, 7, 36 X_9, 59, 10, 58 X_{11}, 25, 12, 24 X_{12}, 55, 13, 56 X_{15}, 31, 16, 30 X_{17}, 1, 18, 70$   
 $X_{18,27,19,28} X_{19,53,20,52} X_{20,3,21,4} X_{21,11,22,10} X_{22,45,23,46} X_{31,15,32,14} X_{32,41,33,42} X_{33,49,34,48} X_{34,7,35,8}$   
 $X_{37,29,38,28} X_{38,69,39,70} X_{40,29,41,30} X_{43,57,44,56} X_{44,23,45,24} X_{46,57,47,58} X_{49,37,50,36} X_{51,61,52,60}$   
 $X_{53,27,54,26} X_{61,51,62,50} X_{62,5,63,6} X_{63,9,64,8} X_{64,47,65,48} X_{65,43,66,42} X_{66,13,67,14} X_{67,17,68,16} X_{68,39,69,40}$  ;  
 $K@10_{99} = X_1, 26, 2, 27 X_3, 30, 4, 31 X_4, 24, 5, 23 X_5, 58, 6, 59 X_7, 22, 8, 23 X_{10}, 72, 11, 71 X_{12}, 38, 13, 37 X_{13}, 66, 14, 67 X_{15}, 36, 16, 37$   
 $X_{17,70,18,71} X_{19,8,20,9} X_{20,50,21,49} X_{27,2,28,3} X_{28,56,29,55} X_{31,46,32,47} X_{32,12,33,11} X_{33,16,34,17} X_{34,42,35,41}$   
 $X_{40,70,41,69} X_{42,36,43,35} X_{44,66,45,65} X_{45,38,46,39} X_{47,72,48,71} X_{50,22,51,21} X_{52,58,53,57} X_{53,24,54,25} X_{54,30,55,29}$   
 $X_{56,26,57,25} X_{59,6,60,7} X_{60,52,61,51} X_{61,48,62,49} X_{62,10,63,9} X_{63,18,64,19} X_{64,40,65,39} X_{67,14,68,15} X_{68,44,69,43}$  ;  
 $K@10_{123} = X_2, 71, 3, 72 X_3, 28, 4, 29 X_8, 80, 9, 79 X_{10}, 5, 11, 6 X_{11}, 69, 12, 68 X_{12}, 46, 13, 45 X_{14}, 82, 15, 81 X_{15}, 40, 16, 41$   
 $X_{17,88,18,89} X_{20,30,21,29} X_{22,86,23,85} X_{24,38,25,37} X_{25,84,26,85} X_{31,54,32,55} X_{32,20,33,19}$   
 $X_{33,16,34,17} X_{34,58,35,57} X_{35,50,36,51} X_{36,24,37,23} X_{41,64,42,65} X_{42,10,43,9} X_{43,6,44,7} X_{44,68,45,67}$   
 $X_{48,84,49,83} X_{49,38,50,39} X_{51,86,52,87} X_{53,30,54,31} X_{56,88,57,87} X_{58,40,59,39} X_{59,82,60,83}$   
 $X_{61,46,62,47} X_{62,69,63,70} X_{63,5,64,4} X_{65,80,66,81} X_{70,28,71,27} X_{72,1,73,2} X_{73,26,74,27} X_{74,48,75,47}$   
 $X_{75,60,76,61} X_{76,14,77,13} X_{77,66,78,67} X_{78,8,79,7} X_{89,18,90,19} X_{90,56,91,55} X_{91,52,92,53} X_{92,22,1,21}$  ;  
 $K@10_{129} = X_2, 27, 3, 28 X_3, 18, 4, 19 X_6, 32, 7, 31 X_7, 14, 8, 15 X_9, 34, 10, 35 X_{11}, 8, 12, 9 X_{12}, 22, 13, 21 X_{15}, 4, 16, 5 X_{16}, 26, 17, 25$

$X_{20,34,21,33} X_{22,14,23,13} X_{23,32,24,33} X_{26,18,27,17} X_{28,1,29,2} X_{29,24,30,25} X_{30,6,31,5} X_{35,10,36,11} X_{36,20,1,19}$  ;  
 $K@10_{137} = X_{2,27,3,28} X_{3,18,4,19} X_{6,32,7,31} X_{8,12,9,11} X_{9,34,10,35} X_{13,22,14,23} X_{14,8,15,7} X_{15,4,16,5} X_{16,26,17,25}$   
 $X_{20,34,21,33} X_{21,12,22,13} X_{23,32,24,33} X_{26,18,27,17} X_{28,1,29,2} X_{29,24,30,25} X_{30,6,31,5} X_{35,10,36,11} X_{36,20,1,19}$  ;  
 $K@10_{140} = X_{1,19,2,18} X_{3,17,4,16} X_{4,10,5,9} X_{7,1,8,22} X_{10,6,11,5} X_{11,14,12,15}$   
 $X_{12,21,13,22} X_{15,8,16,9} X_{17,3,18,2} X_{19,7,20,6} X_{20,13,21,14}$  ;  
 $K@10_{153} = X_{1,14,2,15} X_{3,10,4,11} X_{5,22,6,23} X_{7,4,8,5} X_{8,18,9,17} X_{11,2,12,3}$   
 $X_{12,20,13,19} X_{16,22,17,21} X_{18,10,19,9} X_{20,14,21,13} X_{23,6,24,7} X_{24,16,1,15}$  ;  
 $K@10_{155} = X_{1,29,2,28} X_{3,16,4,17} X_{6,32,7,31} X_{8,18,9,17} X_{10,34,11,33} X_{11,22,12,23} X_{12,8,13,7} X_{13,4,14,5} X_{14,26,15,25}$   
 $X_{19,34,20,35} X_{21,18,22,19} X_{23,32,24,33} X_{26,16,27,15} X_{27,3,28,2} X_{29,24,30,25} X_{30,6,31,5} X_{35,20,36,21} X_{36,10,1,9} ; *$  )

$K@6_1 = X_{1,7,2,6} X_{4,11,5,12} X_{7,1,8,14} X_{9,3,10,2} X_{10,5,11,6} X_{12,3,13,4} X_{13,9,14,8}$  ;  
 $K@8_8 = X_{1,9,2,8} X_{3,1,4,18} X_{5,11,6,10} X_{6,13,7,14} X_{9,3,10,2} X_{12,15,13,16} X_{14,7,15,8} X_{16,11,17,12} X_{17,5,18,4}$  ;  
 $K@8_9 = X_{1,8,2,9} X_{3,11,4,10} X_{6,19,7,20} X_{9,16,10,17}$   
 $X_{11,19,12,18} X_{12,6,13,5} X_{14,7,15,8} X_{15,3,16,2} X_{17,4,18,5} X_{20,14,1,13}$  ;  
 $K@8_{20} = X_{1,6,2,7} X_{3,11,4,10} X_{5,16,6,1} X_{8,14,9,13} X_{11,3,12,2} X_{12,8,13,7} X_{14,10,15,9} X_{15,4,16,5}$  ;  
 $K@9_{27} = X_{2,24,3,23} X_{5,20,6,21} X_{7,15,8,14} X_{8,1,9,2} X_{10,20,11,19}$   
 $X_{11,5,12,4} X_{13,16,14,17} X_{15,7,16,6} X_{18,3,19,4} X_{21,13,22,12} X_{22,17,23,18} X_{24,9,1,10}$  ;  
 $K@9_{41} = X_{2,17,3,18} X_{3,21,4,20} X_{6,13,7,14} X_{7,24,8,25} X_{9,19,10,18} X_{10,1,11,2} X_{12,24,13,23}$   
 $X_{14,5,15,6} X_{16,27,17,28} X_{19,9,20,8} X_{21,27,22,26} X_{22,16,23,15} X_{25,4,26,5} X_{28,11,1,12}$  ;  
 $K@9_{46} = X_{1,9,2,8} X_{3,13,4,12} X_{6,15,7,16} X_{9,1,10,18} X_{11,5,12,4} X_{13,3,14,2} X_{14,7,15,8} X_{16,5,17,6} X_{17,11,18,10}$  ;  
 $K@10_3 = X_{2,11,3,12} X_{3,16,4,17} X_{5,14,6,15} X_{8,22,9,21}$   
 $X_{10,20,11,19} X_{13,6,14,7} X_{15,4,16,5} X_{17,13,18,12} X_{18,1,19,2} X_{20,10,21,9} X_{22,8,1,7}$  ;  
 $K@10_{22} = X_{2,12,3,11} X_{5,18,6,19} X_{7,16,8,17} X_{9,5,10,4} X_{10,19,11,20} X_{12,22,13,21}$   
 $X_{14,2,15,1} X_{15,6,16,7} X_{17,8,18,9} X_{20,3,21,4} X_{22,14,1,13}$  ;  
 $K@10_{35} = X_{1,6,2,7} X_{3,11,4,10} X_{4,19,5,20} X_{7,14,8,15} X_{9,12,10,13} X_{11,3,12,2}$   
 $X_{13,8,14,9} X_{16,22,17,21} X_{18,5,19,6} X_{20,18,21,17} X_{22,16,1,15}$  ;  
 $K@10_{42} = X_{2,28,3,27} X_{4,9,5,10} X_{5,24,6,25} X_{8,18,9,17} X_{11,14,12,15} X_{13,22,14,23} X_{15,27,16,26}$   
 $X_{16,3,17,4} X_{18,8,19,7} X_{20,2,21,1} X_{21,12,22,13} X_{23,6,24,7} X_{25,11,26,10} X_{28,20,1,19}$  ;  
 $K@10_{48} = X_{1,6,2,7} X_{3,11,4,10} X_{4,21,5,22} X_{7,17,8,16} X_{9,19,10,18} X_{12,6,13,5}$   
 $X_{14,23,15,24} X_{17,9,18,8} X_{19,2,20,3} X_{20,12,21,11} X_{22,13,23,14} X_{24,15,1,16}$  ;  
 $K@10_{75} = X_{2,30,3,29} X_{4,9,5,10} X_{5,26,6,27} X_{8,18,9,17} X_{11,14,12,15} X_{13,21,14,20} X_{15,29,16,28}$   
 $X_{16,3,17,4} X_{19,7,20,6} X_{21,13,22,12} X_{22,1,23,2} X_{24,7,25,8} X_{25,19,26,18} X_{27,11,28,10} X_{30,23,1,24}$  ;  
 $K@10_{87} = X_{2,13,3,14} X_{3,17,4,16} X_{6,19,7,20} X_{9,27,10,26} X_{10,5,11,6} X_{12,29,13,30} X_{15,24,16,25}$   
 $X_{17,29,18,28} X_{18,12,19,11} X_{20,7,21,8} X_{22,2,23,1} X_{23,14,24,15} X_{25,9,26,8} X_{27,4,28,5} X_{30,22,1,21}$  ;