

Supplementary Material for “Symmetry Principles in Quantum Systems Theory”

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Abstract

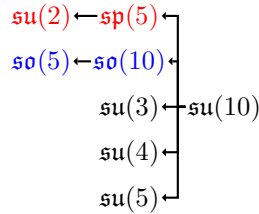
This is the supplementary material to our work “Symmetry Principles in Quantum Systems Theory”. We tabulate the irreducible simple subalgebras of $\mathfrak{su}(N)$ for $2 \leq N \leq 2^{15}$ excluding certain trivial cases.

1 Introduction

This is the supplementary material to our work “Symmetry Principles in Quantum Systems Theory”. We tabulate the irreducible simple subalgebras of $\mathfrak{su}(N)$ for $2 \leq N \leq 2^{15}$ excluding certain trivial cases. In addition, we present sufficient information in order to determine the (equivalence classes of) representations corresponding to the subalgebras.

1.1 Notation

Later, we list two pieces of information for certain non-trivial cases of $\mathfrak{su}(N)$, where $2 \leq N \leq 2^{15}$. First, we present a tree of all irreducible simple subalgebras of $\mathfrak{su}(N)$, e.g.:

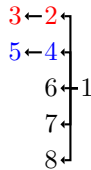


The symplectic subalgebras [i.e. subalgebras of $\mathfrak{sp}(N/2)$] are given in red, the orthogonal subalgebras [i.e. subalgebras of $\mathfrak{so}(N)$] are given in blue, and the unitary subalgebras [i.e. the rest] are given in black. The algebra $\mathfrak{su}(N)$ is the root of the tree. A directed edge of the tree connects [in the set of irreducible simple subalgebras of $\mathfrak{su}(N)$] an algebra with one of its maximal subalgebras.

Next, a comma-separated sequence of comma-separated lists of highest weights is given, e.g.:

$$[\{\langle 1, 1 \rangle\}, \{\langle 9, 1 \rangle\}], [(1, 0, 0, 0, 0)], [(9)], [(1, 0, 0, 0, 0)], [(0, 2)], [(3, 0), (0, 3)], [(2, 0, 0), (0, 0, 2)], [(0, 1, 0, 0), (0, 0, 1, 0)]$$

Each list of highest weights is enclosed in square brackets and identifies representations corresponding to the same irreducible simple subalgebra, where the representations are equivalent under outer automorphisms of the subalgebra. Each highest weight is given as a vector (with round brackets) if the rank $\ell \leq 5$.¹ Otherwise, the highest weight is given as a set of pairs corresponding to non-zero entries of the vector, where a pair determines the position and the value (in that order) of a non-zero element. We remark that the comma-separated sequence is ordered depth-first, e.g.:



¹Recall that the rank ℓ is determined by the Lie algebra: $\mathfrak{su}(\ell + 1)$, $\mathfrak{so}(2\ell + 1)$, $\mathfrak{sp}(2\ell)$, $\mathfrak{so}(2\ell)$, \mathfrak{e}_ℓ , \mathfrak{f}_ℓ , and \mathfrak{g}_ℓ .

1.2 Trivial cases

In order to save space, we will not list two types of trivial cases, even more so as the presented information can be readily determined as discussed now:

First, if $N \geq 5$ is *even* and if $\mathfrak{sp}(N/2)$, $\mathfrak{so}(N)$, as well as $\mathfrak{su}(2) \subset \mathfrak{sp}(N/2)$ are the only proper irreducible simple subalgebras, then we say the case is trivial. An example is given by $\mathfrak{su}(12)$:

$$\begin{array}{c} \mathfrak{su}(2) \leftarrow \mathfrak{sp}(6) \\ \mathfrak{so}(12) \leftarrow \mathfrak{su}(12) \end{array}$$

We remark that also the corresponding highest weights can be easily determined: For $\mathfrak{su}(N)$ [$N > 2$], we get two vectors: the only non-zero entry is, respectively, the first one and the last one, and its value is equal to one. For $\mathfrak{so}(2\ell)$ [$\ell \neq 4$] and $\mathfrak{sp}(\ell)$, we get the vector whose only non-zero entry is the first one, which in both cases is equal to one. For $\mathfrak{su}(2)$, we get the vector $(N - 1)$ of length one. In the example of $\mathfrak{su}(12)$, we have the following highest weights:

$$[\langle 1, 1 \rangle], \langle 11, 1 \rangle, [\langle 1, 1 \rangle], [(11)], [\langle 1, 1 \rangle]$$

Second, if $N \geq 5$ is *odd* and if $\mathfrak{so}(N)$ as well as $\mathfrak{su}(2) \subset \mathfrak{so}(N)$ are the only proper irreducible simple subalgebras, then we also say the case is trivial. An example is given by $\mathfrak{su}(5)$:

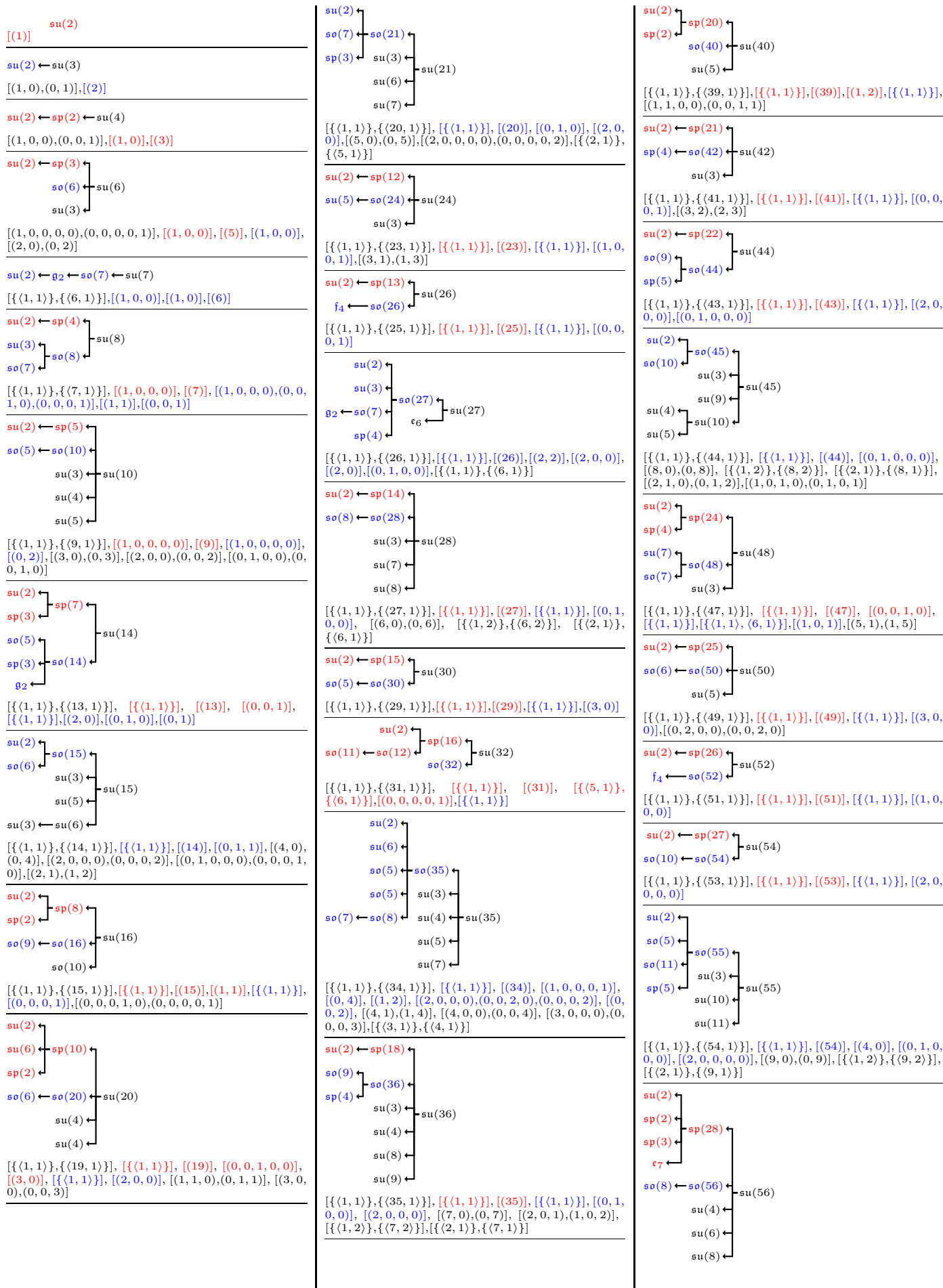
$$\mathfrak{su}(2) \leftarrow \mathfrak{so}(5) \leftarrow \mathfrak{su}(5)$$

We remark that the corresponding highest weights can be determined along the same lines as for even N . In the example of $\mathfrak{su}(5)$, we have the following highest weights:

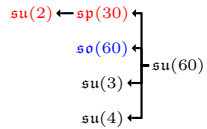
$$[(1, 0, 0, 0), (0, 0, 0, 1)], [(1, 0)], [(4)]$$

2 Table

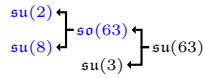
The complete table listing all the irreducible simple subalgebras of $\mathfrak{su}(N)$ for $2 \leq N \leq 2^{15}$ (only excluding the trivial cases) starts on the next page.



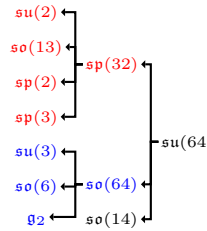
$\{ \{ (1, 1) \}, \{ (55, 1) \} \}, \{ \{ (1, 1) \}, [(55)], [(5, 0)], [(3, 0, 0)], [(7, 1)], [(1, 1)], [(1, 0, 1, 0)], (1, 0, 0, 1), (0, 0, 1, 1) \}, [(5, 0, 0), (0, 0, 5)], [(3, 0, 0, 0, 0), (0, 0, 0, 0, 3)], [(3, 1)], [(5, 1)] \}$



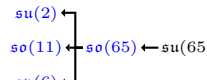
$\{ \{ (1, 1) \}, \{ (59, 1) \}, \{ \{ (1, 1) \}, [(59)], [(1, 1)], [(4, 2), (2, 4)], [(1, 2, 0), (0, 2, 1)] \}$



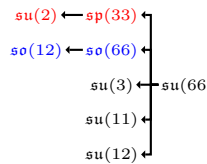
$\{ \{ (1, 1) \}, \{ (62, 1) \}, \{ \{ (1, 1) \}, [(62)], [(1, 1), (7, 1)], [(6, 1), (1, 6)] \}$



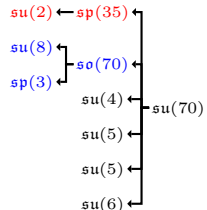
$\{ \{ (1, 1) \}, \{ (63, 1) \}, \{ \{ (1, 1) \}, [(63)], [(6, 1)], [(3, 1), (1, 1, 0)], [(1, 1)], [(3, 3)], [(1, 1, 1)], [(1, 1)], [(6, 1)], [(7, 1)] \}$



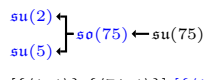
$\{ \{ (1, 1) \}, \{ (64, 1) \}, \{ \{ (1, 1) \}, [(64)], [(2, 0, 0, 0, 0)], [(2, 1)] \}$



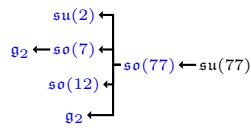
$\{ \{ (1, 1) \}, \{ (65, 1) \}, \{ \{ (1, 1) \}, [(65)], [(1, 1)], [(2, 1)], [(10, 0), (0, 10)], [(1, 2)], [(10, 2)], [(2, 1)], [(10, 1)] \}$



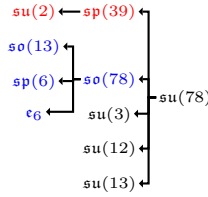
$\{ \{ (1, 1) \}, \{ (69, 1) \}, \{ \{ (1, 1) \}, [(69)], [(1, 1)], [(4, 1)], [(1, 0, 1)], [(3, 0, 1), (1, 0, 3)], [(2, 0, 0, 1), (1, 0, 0, 2)], [(4, 0, 0, 0), (0, 0, 0, 4)], [(1, 1, 0, 0, 0), (0, 0, 0, 1, 1)] \}$



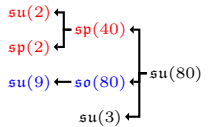
$\{ \{ (1, 1) \}, \{ (74, 1) \}, \{ \{ (1, 1) \}, [(74)], [(0, 1, 1, 0)] \}$



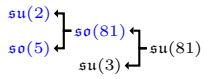
$\{ \{ (1, 1) \}, \{ (76, 1) \}, \{ \{ (1, 1) \}, [(76)], [(3, 0, 0)], [(3, 0)], [(1, 2)], [(0, 2)] \}$



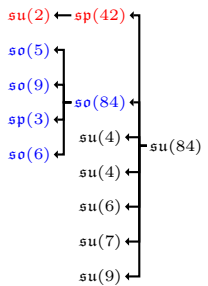
$\{ \{ (1, 1) \}, \{ (77, 1) \}, \{ \{ (1, 1) \}, [(77)], [(1, 1)], [(2, 1)], [(1, 2)], [(2, 1)], [(11, 0), (0, 11)], [(1, 2)], [(11, 2)], [(2, 1)], [(11, 1)] \}$



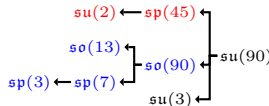
$\{ \{ (1, 1) \}, \{ (79, 1) \}, \{ \{ (1, 1) \}, [(79)], [(1, 3)], [(1, 1)], [(1, 1), (8, 1)], [(7, 1), (1, 7)] \}$



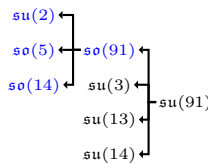
$\{ \{ (1, 1) \}, \{ (80, 1) \}, \{ \{ (1, 1) \}, [(80)], [(2, 2)], [(5, 2), (2, 5)] \}$



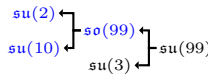
$\{ \{ (1, 1) \}, \{ (83, 1) \}, \{ \{ (1, 1) \}, [(83)], [(1, 1)], [(0, 6), (0, 0, 1, 0)], [(0, 0, 2)], [(0, 2, 2)], [(3, 1, 0), (0, 1, 3)], [(6, 0, 0), (0, 0, 6)], [(1, 0, 0, 1, 0), (0, 1, 0, 0, 1)], [(1, 3)], [(6, 3)], [(3, 1)], [(6, 1)] \}$



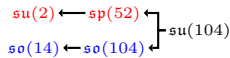
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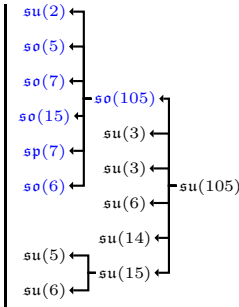
$\{ \{ (1, 1) \}, \{ (90, 1) \}, \{ \{ (1, 1) \}, [(90)], [(5, 0)], [(2, 1)], [(12, 0), (0, 12)], [(1, 2)], [(12, 2)], [(2, 1)], [(12, 1)] \}$



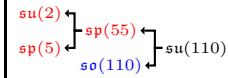
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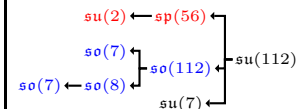
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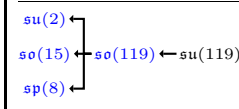
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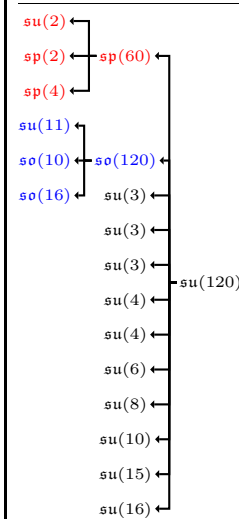
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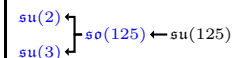
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$\{ \{ (1, 1) \}, \{ (118, 1) \}, \{ \{ (1, 1) \}, [(118)], [(1, 2)], [(2, 1)] \}$

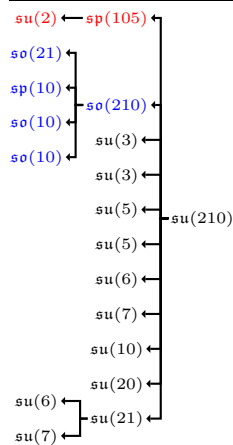


$\{ \{ (1, 1) \}, \{ (119, 1) \}, \{ \{ (1, 1) \}, [(119)], [(7, 0)], [(3, 0, 0, 0)], [(1, 1)], [(1, 1), (10, 1)], [(0, 0, 1, 0, 0)], [(2, 1)], [(5, 3), (3, 5)], [(9, 1), (1, 9)], [(14, 0), (0, 14)], [(4, 0, 1), (1, 0, 4)], [(7, 0, 0), (0, 0, 7)], [(2, 0, 0, 0, 1), (1, 0, 0, 0, 2)], [(1, 3)], [(7, 3)], [(3, 1)], [(7, 1)], [(1, 2)], [(14, 2)], [(2, 1)], [(14, 1)] \}$

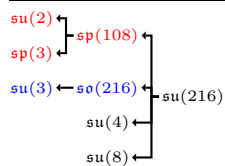


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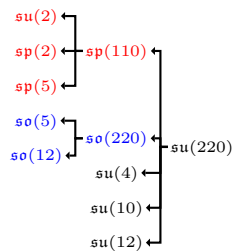
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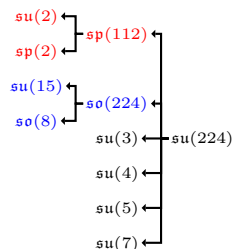
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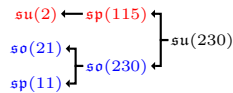
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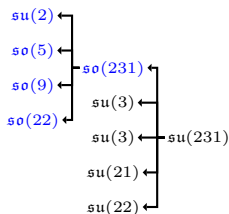
$\{ \{ (1, 1) \}, \{ (219, 1) \} \}, \{ \{ (1, 1) \}, [(219)] \}, [(9, 0)], [(3, 0, 0, 0, 0)], \{ \{ (1, 1) \}, [(2, 4)], [(3, 1)] \}, [(9, 0, 0), (0, 0, 9)], \{ \{ (1, 3) \}, \{ (9, 3) \} \}, \{ \{ (3, 1) \}, \{ (9, 1) \} \}$



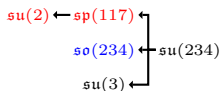
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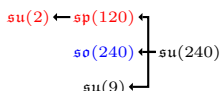
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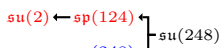
$\{ \{ (1, 1) \}, \{ (230, 1) \} \}, \{ \{ (1, 1) \}, [(230)] \}, [(1, 6)], [(1, 1, 0, 0)], \{ \{ (2, 1) \}, [(10, 2), (2, 10)], [(20, 0), (0, 20)], \{ \{ (1, 2) \}, \{ (20, 2) \} \}, \{ \{ (2, 1) \}, \{ (20, 1) \} \}$



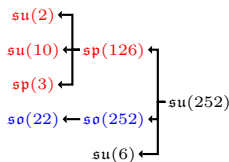
$\{ \{ (1, 1) \}, \{ (233, 1) \} \}, \{ \{ (1, 1) \}, [(233)] \}, \{ \{ (1, 1) \}, [(8, 3), (3, 8)] \}$



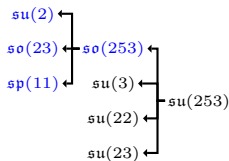
$\{ \{ (1, 1) \}, \{ (239, 1) \} \}, \{ \{ (1, 1) \}, [(239)] \}, \{ \{ (1, 1) \}, \{ (1, 1), (2, 1) \} \}, \{ (7, 1), (8, 1) \}$



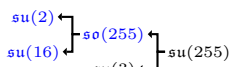
$\{ \{ (1, 1) \}, \{ (247, 1) \} \}, \{ \{ (1, 1) \}, [(247)] \}, \{ \{ (1, 1) \}, [(8, 1)] \}$



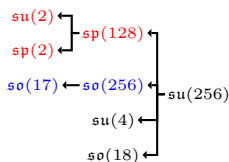
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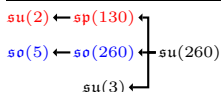
$\{ \{ (1, 1) \}, \{ (252, 1) \} \}, \{ \{ (1, 1) \}, [(252)] \}, \{ \{ (2, 1) \}, \{ (1, 2) \} \}, [(21, 0), (0, 21)], \{ \{ (1, 2) \}, \{ (21, 2) \} \}, \{ \{ (2, 1) \}, \{ (21, 1) \} \}$



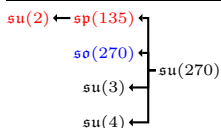
$\{ \{ (1, 1) \}, \{ (254, 1) \} \}, \{ \{ (1, 1) \}, [(254)] \}, \{ \{ (1, 1) \}, (15, 1) \}, [(14, 1), (1, 14)]$



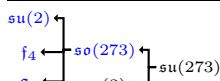
$\{ \{ (1, 1) \}, \{ (255, 1) \} \}, \{ \{ (1, 1) \}, [(255)] \}, [(3, 3)], \{ \{ (1, 1) \}, [(8, 1)] \}, [(3, 1, 1), (1, 1, 3)], \{ \{ (8, 1) \}, \{ (9, 1) \} \}$



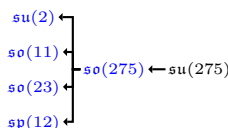
$\{ \{ (1, 1) \}, \{ (259, 1) \} \}, \{ \{ (1, 1) \}, [(259)] \}, \{ \{ (1, 1) \}, [(4, 2)], [(7, 4), (4, 7)] \}$



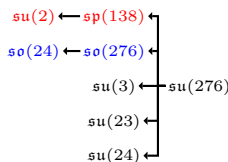
$\{ \{ (1, 1) \}, \{ (269, 1) \} \}, \{ \{ (1, 1) \}, [(269)] \}, \{ \{ (1, 1) \}, [(11, 2), (2, 11)], [(4, 0, 2), (2, 0, 4)] \}$



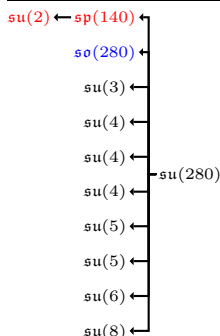
$\{ \{ (1, 1) \}, \{ (272, 1) \} \}, \{ \{ (1, 1) \}, [(272)] \}, [(0, 0, 1, 0)], [(0, 3)], [(6, 5), (5, 6)]$



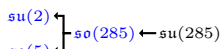
$\{ \{ (1, 1) \}, \{ (274, 1) \} \}, \{ \{ (1, 1) \}, [(274)] \}, [(3, 0, 0, 0, 0)], \{ \{ (1, 2) \}, \{ (2, 1) \} \}$



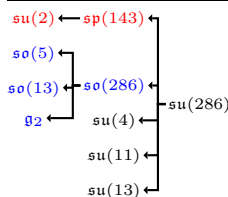
$\{ \{ (1, 1) \}, \{ (275, 1) \} \}, \{ \{ (1, 1) \}, [(275)] \}, \{ \{ (1, 1) \}, \{ (2, 1) \} \}, [(22, 0), (0, 22)], \{ \{ (1, 2) \}, \{ (22, 2) \} \}, \{ \{ (2, 1) \}, \{ (22, 1) \} \}$



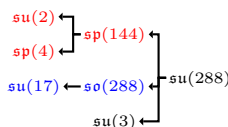
$\{ \{ (1, 1) \}, \{ (279, 1) \} \}, \{ \{ (1, 1) \}, [(279)] \}, \{ \{ (1, 1) \}, [(9, 3), (3, 9)], [(1, 4, 0), (0, 4, 1)], [(2, 3, 0), (0, 3, 2)], [(6, 0, 1), (1, 0, 6)], [(1, 1, 1, 0), (0, 1, 1, 1)], [(3, 0, 1, 0), (0, 1, 0, 3)], [(2, 0, 0, 1, 0), (0, 1, 0, 0, 2)], \{ \{ (1, 2) \}, (7, 1) \}, \{ \{ (1, 1) \}, (7, 2) \}$



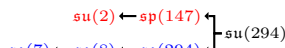
$\{ \{ (1, 1) \}, \{ (284, 1) \} \}, \{ \{ (1, 1) \}, [(284)] \}, [(8, 0)]$



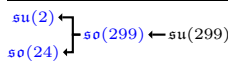
$\{ \{ (1, 1) \}, \{ (285, 1) \} \}, \{ \{ (1, 1) \}, [(285)] \}, \{ \{ (1, 1) \}, [(0, 10)], \{ \{ (3, 1) \}, [(1, 2)], [(10, 0, 0), (0, 0, 10)], \{ \{ (1, 3) \}, \{ (10, 3) \} \}, \{ \{ (3, 1) \}, \{ (10, 1) \} \}$

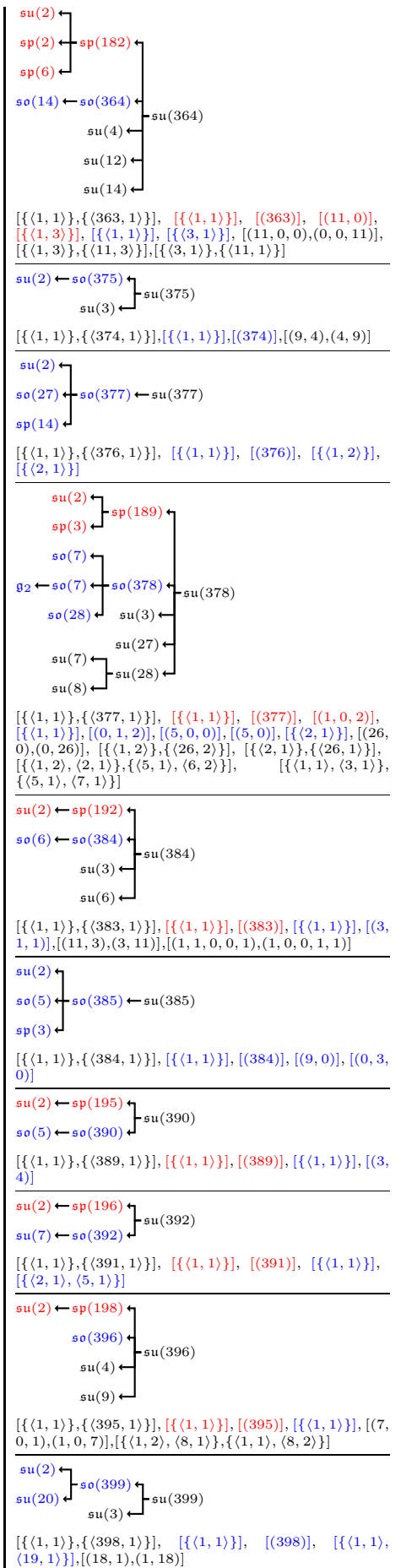
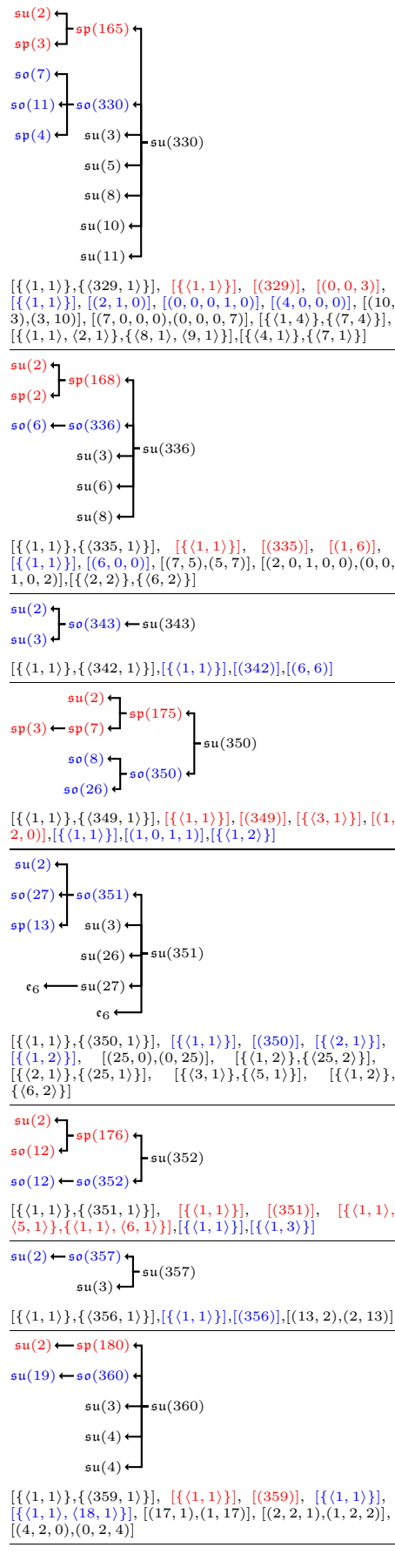
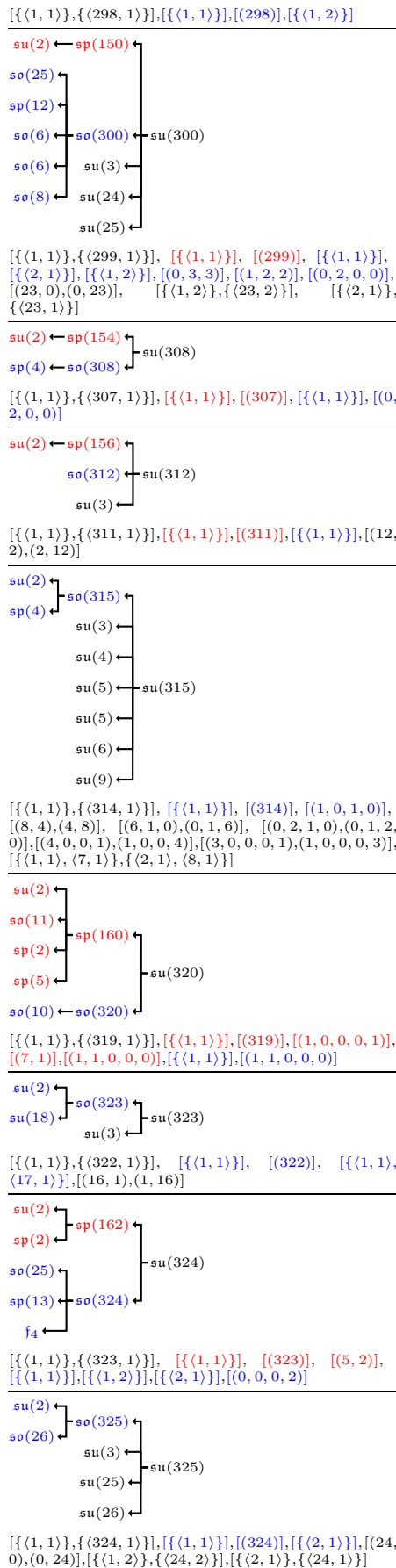


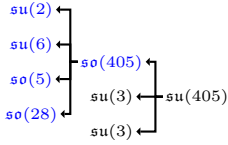
$\{ \{ (1, 1) \}, \{ (287, 1) \} \}, \{ \{ (1, 1) \}, [(287)] \}, [(1, 0, 0, 1)], \{ \{ (1, 4) \}, \{ (1, 1), (16, 1) \} \}, [(15, 1), (1, 15)]$



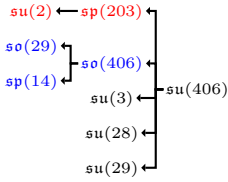
$\{ \{ (1, 1) \}, \{ (293, 1) \} \}, \{ \{ (1, 1) \}, [(293)] \}, \{ \{ (1, 1) \}, [(4, 0, 0, 0), (0, 0, 4, 0), (0, 0, 0, 4)], [(0, 0, 4)] \}$



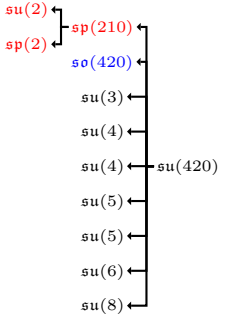




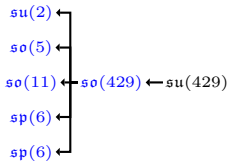
$\{ \{ (1, 1), \{ (404, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (404) \}, \{ (2, 0, 0, 0, 2) \}, \{ (5, 2) \}, \{ (1, 2) \}, \{ (8, 5), (5, 8) \}, \{ (14, 2), (2, 14) \}$



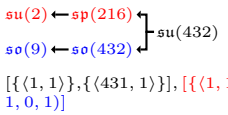
$\{ \{ (1, 1), \{ (405, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (405) \}, \{ \{ (1, 1) \} \}, \{ \{ (2, 1) \} \}, \{ \{ (1, 2) \} \}, \{ (27, 0), (0, 27) \}, \{ \{ (1, 2) \} \}, \{ (27, 2) \}, \{ (2, 1) \}, \{ (27, 1) \}$



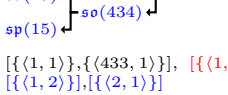
$\{ \{ (1, 1), \{ (419, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (419) \}, \{ (3, 4) \}, \{ \{ (1, 1) \} \}, \{ (7, 6), (6, 7) \}, \{ (4, 1, 1), (1, 1, 4) \}, \{ (5, 0, 2), (2, 0, 5) \}, \{ (2, 2, 0, 0), (0, 0, 2, 2) \}, \{ (4, 1, 0, 0), (0, 0, 1, 4) \}, \{ (1, 2, 0, 0, 0), (0, 0, 0, 2, 1) \}, \{ \{ (1, 1), \{ (5, 1) \} \}, \{ (3, 1), \{ (7, 1) \} \}$



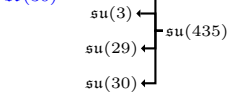
$\{ \{ (1, 1), \{ (428, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (428) \}, \{ (1, 8) \}, \{ (1, 1, 0, 0, 0) \}, \{ (6, 1) \}, \{ (4, 1) \}$



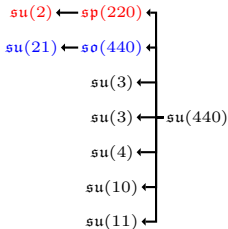
$\{ \{ (1, 1), \{ (431, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (431) \}, \{ \{ (1, 1) \} \}, \{ (0, 1, 0, 1) \}$



$\{ \{ (1, 1), \{ (433, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (433) \}, \{ \{ (1, 1) \} \}, \{ \{ (1, 2) \} \}, \{ (2, 1) \}$

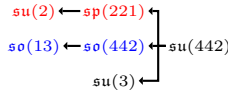


$\{ \{ (1, 1), \{ (434, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (434) \}, \{ \{ (2, 1) \} \}, \{ (28, 0), (0, 28) \}, \{ (1, 2) \}, \{ (28, 2) \}, \{ (2, 1) \}, \{ (28, 1) \}$



$\{ \{ (1, 1), \{ (439, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (439) \}, \{ \{ (1, 1) \} \},$

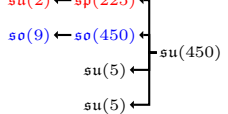
$\{ \{ (1, 1), \{ (20, 1) \} \}, \{ (10, 4), (4, 10) \}, \{ (19, 1), (1, 19) \}, \{ (7, 1, 0), (0, 1, 7) \}, \{ \{ (1, 1), \{ (8, 1) \} \}, \{ (2, 1), \{ (9, 1) \} \}, \{ \{ (1, 1), \{ (2, 1) \} \}, \{ (9, 1), \{ (10, 1) \} \}$



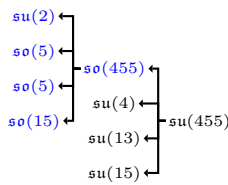
$\{ \{ (1, 1), \{ (441, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (441) \}, \{ \{ (1, 1) \} \}, \{ \{ (1, 3) \} \}, \{ (12, 3), \{ (3, 12) \}$



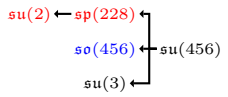
$\{ \{ (1, 1), \{ (447, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (447) \}, \{ (3, 1, 0) \}, \{ \{ (1, 1) \} \}, \{ (3, 0, 1) \}, \{ (3, 1) \}$



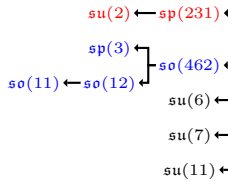
$\{ \{ (1, 1), \{ (449, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (449) \}, \{ \{ (1, 1) \} \}, \{ (4, 0, 0, 0) \}, \{ (2, 1, 0, 1), (1, 0, 1, 2) \}, \{ (3, 0, 0, 2), (2, 0, 0, 3) \}$



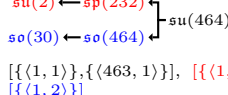
$\{ \{ (1, 1), \{ (454, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (454) \}, \{ (0, 12) \}, \{ (2, 6) \}, \{ \{ (3, 1) \} \}, \{ (12, 0, 0), (0, 0, 12) \}, \{ \{ (1, 3) \} \}, \{ (12, 3) \}, \{ \{ (3, 1) \} \}, \{ (12, 1) \}$



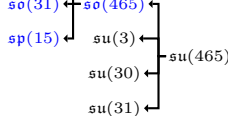
$\{ \{ (1, 1), \{ (455, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (455) \}, \{ \{ (1, 1) \} \}, \{ (15, 2), (2, 15) \}$



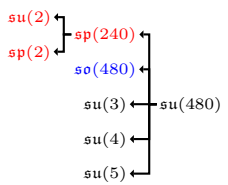
$\{ \{ (1, 1), \{ (461, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (461) \}, \{ \{ (1, 1) \} \}, \{ (6, 0, 0) \}, \{ \{ (5, 2) \} \}, \{ (6, 2) \}, \{ (0, 0, 0, 0, 2) \}, \{ (6, 0, 0, 0, 0), (0, 0, 0, 0, 6) \}, \{ \{ (1, 5) \} \}, \{ (6, 5) \}, \{ \{ (5, 1) \} \}, \{ (6, 1) \}$



$\{ \{ (1, 1), \{ (463, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (463) \}, \{ \{ (1, 1) \} \}, \{ \{ (1, 2) \} \}$

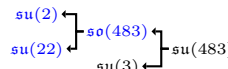


$\{ \{ (1, 1), \{ (464, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (464) \}, \{ \{ (2, 1) \} \}, \{ \{ (1, 2) \} \}, \{ (29, 0), (0, 29) \}, \{ \{ (1, 2) \} \}, \{ (29, 2) \}, \{ \{ (2, 1) \} \}, \{ (29, 1) \}$

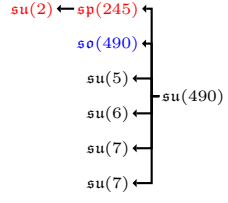


$\{ \{ (1, 1), \{ (479, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (479) \}, \{ (1, 7) \},$

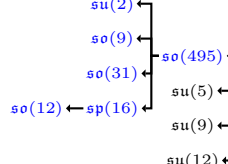
$\{ \{ (1, 1) \} \}, \{ (9, 5), (5, 9) \}, \{ (3, 3, 0), (0, 3, 3) \}, \{ (2, 0, 1, 1), (1, 1, 0, 2) \}$



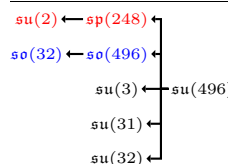
$\{ \{ (1, 1), \{ (482, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (482) \}, \{ \{ (1, 1), \{ (21, 1) \} \}, \{ (20, 1), (1, 20) \}$



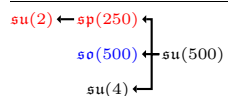
$\{ \{ (1, 1), \{ (489, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (489) \}, \{ \{ (1, 1) \} \}, \{ (0, 4, 0, 0), (0, 0, 4, 0) \}, \{ (0, 3, 0, 0, 0), (0, 0, 0, 3, 0) \}, \{ \{ (3, 2) \} \}, \{ (4, 2) \}, \{ (2, 1), \{ (3, 1) \} \}, \{ (4, 1), \{ (5, 1) \} \}$



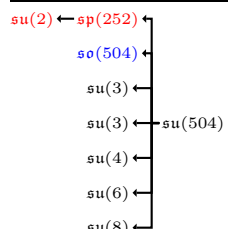
$\{ \{ (1, 1), \{ (494, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (494) \}, \{ (0, 2, 0, 0) \}, \{ \{ (1, 2) \} \}, \{ (2, 1) \}, \{ \{ (4, 1) \} \}, \{ (8, 0, 0, 0), (0, 0, 0, 8) \}, \{ \{ (1, 4) \} \}, \{ (8, 4) \}, \{ (4, 1) \}, \{ (8, 1) \}$



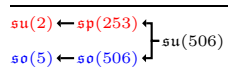
$\{ \{ (1, 1), \{ (495, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (495) \}, \{ \{ (1, 1) \} \}, \{ \{ (2, 1) \} \}, \{ (30, 0), (0, 30) \}, \{ \{ (1, 2) \} \}, \{ (30, 2) \}, \{ \{ (2, 1) \} \}, \{ (30, 1) \}$



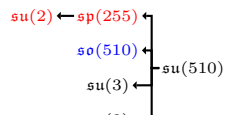
$\{ \{ (1, 1), \{ (499, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (499) \}, \{ \{ (1, 1) \} \}, \{ (4, 0, 3), (3, 0, 4) \}$



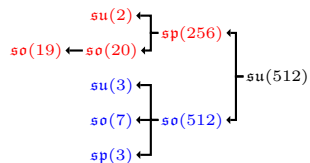
$\{ \{ (1, 1), \{ (503, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (503) \}, \{ \{ (1, 1) \} \}, \{ (8, 6), (6, 8) \}, \{ (13, 3), (3, 13) \}, \{ (1, 5, 0), (0, 5, 1) \}, \{ (3, 1, 0, 0, 0), (0, 0, 0, 1, 3) \}, \{ (1, 1), \{ (4, 1) \} \}, \{ (4, 1), \{ (7, 1) \} \}$



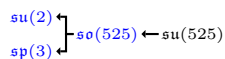
$\{ \{ (1, 1), \{ (505, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (505) \}, \{ \{ (1, 1) \} \}, \{ (10, 0) \}$



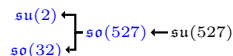
$\{ \{ (1, 1), \{ (509, 1) \} \}, \{ \{ (1, 1) \} \}, \{ (509) \}, \{ \{ (1, 1) \} \}, \{ (11, 4), (4, 11) \}, \{ (16, 2), (2, 16) \}$



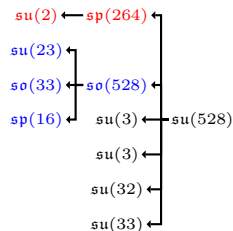
[[{(1, 1)}, {(511, 1)}], [(1, 1)], [(511)], [(9, 1)], [(10, 1)], [(9, 1)], [(1, 1)], [(7, 7)], [(1, 1, 1)], [(1, 1, 1)]]



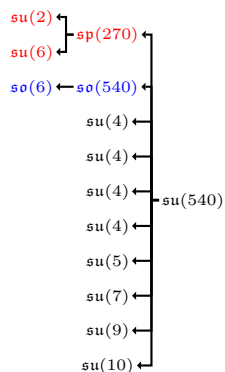
[[{(1, 1)}, {(524, 1)}], [(1, 1)], [(524)], [(3, 0, 1)]]



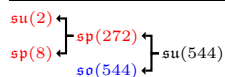
[[{(1, 1)}, {(526, 1)}], [(1, 1)], [(526)], [(1, 2)]]



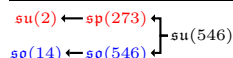
[[{(1, 1)}, {(527, 1)}], [(1, 1)], [(527)], [(1, 1)], [(1, 1), (22, 1)], [(2, 1)], [(1, 2)], [(21, 1), (1, 21)], [(31, 0), (0, 31)], [(1, 2)], [(31, 2)], [(2, 1)], [(31, 1)]]



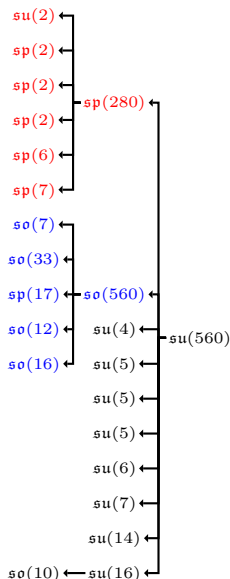
[[{(1, 1)}, {(539, 1)}], [(1, 1)], [(539)], [(1, 0, 1, 0, 1)], [(1, 1)], [(7, 0, 0)], [(2, 4, 0), (0, 4, 2)], [(3, 1, 2), (2, 1, 3)], [(5, 2, 0), (0, 2, 5)], [(8, 0, 1), (1, 0, 8)], [(4, 0, 1, 0), (0, 1, 0, 4)], [(1, 2), (5, 1)], [(2, 1), (6, 2)], [(2, 2)], [(7, 2)], [(1, 2), (9, 1)], [(1, 1), (9, 2)]]



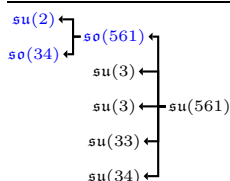
[[{(1, 1)}, {(543, 1)}], [(1, 1)], [(543)], [(3, 1)], [(1, 1)]]



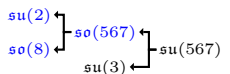
[[{(1, 1)}, {(545, 1)}], [(1, 1)], [(545)], [(1, 1)], [(1, 3)]]



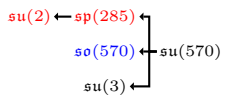
[[{(1, 1)}, {(559, 1)}], [(1, 1)], [(559)], [(5, 3)], [(9, 1)], [(13, 0)], [(1, 1), (2, 1)], [(1, 3)], [(1, 1)], [(1, 0, 3)], [(1, 2)], [(2, 1)], [(1, 1), (2, 1)], [(3, 1)], [(13, 0, 0), (0, 0, 13)], [(1, 3, 0, 0), (0, 0, 3, 1)], [(2, 0, 2, 0), (0, 2, 0, 2)], [(5, 0, 0, 1), (1, 0, 0, 5)], [(1, 0, 0, 2, 0), (0, 2, 0, 0, 1)], [(1, 3), (6, 1)], [(1, 1), (6, 3)], [(1, 3)], [(13, 3)], [(3, 1)], [(13, 1)], [(0, 1, 0, 1, 0), (0, 1, 0, 0, 1)]]



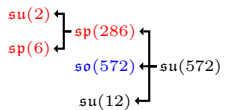
[[{(1, 1)}, {(560, 1)}], [(1, 1)], [(560)], [(2, 1)], [(10, 5), (5, 10)], [(32, 0), (0, 32)], [(1, 2)], [(32, 2)], [(2, 1)], [(32, 1)]]



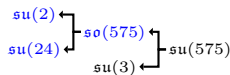
[[{(1, 1)}, {(566, 1)}], [(1, 1)], [(566)], [(2, 1, 0, 0), (0, 1, 2, 0), (0, 1, 0, 2)], [(17, 2), (2, 17)]]



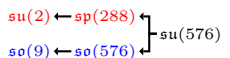
[[{(1, 1)}, {(569, 1)}], [(1, 1)], [(569)], [(1, 1)], [(14, 3), (3, 14)]]



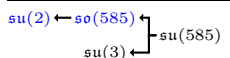
[[{(1, 1)}, {(571, 1)}], [(1, 1)], [(571)], [(5, 1)], [(1, 1)], [(1, 1), (2, 1)], [(10, 1), (11, 1)]]



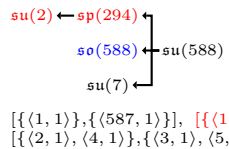
[[{(1, 1)}, {(574, 1)}], [(1, 1)], [(574)], [(1, 1), (23, 1)], [(22, 1), (1, 22)]]



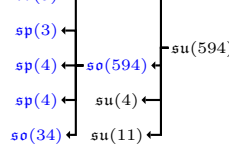
[[{(1, 1)}, {(575, 1)}], [(1, 1)], [(575)], [(1, 1)], [(2, 0, 0, 1)]]



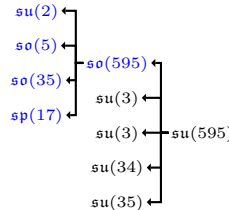
[[{(1, 1)}, {(584, 1)}], [(1, 1)], [(584)], [(12, 4), (4, 12)]]



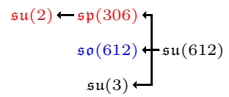
[[{(1, 1)}, {(587, 1)}], [(1, 1)], [(587)], [(1, 1)], [(2, 1), (4, 1)], [(3, 1), (5, 1)]]



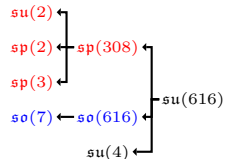
[[{(1, 1)}, {(593, 1)}], [(1, 1)], [(593)], [(1, 1)], [(1, 0, 1, 0)], [(0, 1, 2)], [(0, 0, 0, 2)], [(2, 1, 0, 0)], [(1, 2)], [(8, 1, 0), (0, 1, 8)], [(1, 1), (9, 1)], [(2, 1), (10, 1)]]



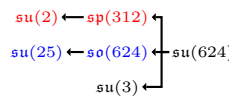
[[{(1, 1)}, {(594, 1)}], [(1, 1)], [(594)], [(6, 2)], [(2, 1)], [(1, 2)], [(9, 6), (6, 9)], [(33, 0), (0, 33)], [(1, 2)], [(33, 2)], [(2, 1)], [(33, 1)]]



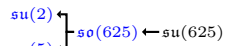
[[{(1, 1)}, {(611, 1)}], [(1, 1)], [(611)], [(1, 1)], [(8, 7), (7, 8)]]



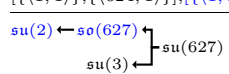
[[{(1, 1)}, {(615, 1)}], [(1, 1)], [(615)], [(7, 2)], [(0, 2, 1)], [(1, 1)], [(2, 0, 2)], [(6, 0, 2), (2, 0, 6)]]



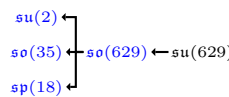
[[{(1, 1)}, {(623, 1)}], [(1, 1)], [(623)], [(1, 1)], [(1, 1), (24, 1)], [(23, 1), (1, 23)]]



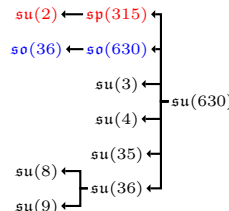
[[{(1, 1)}, {(624, 1)}], [(1, 1)], [(624)], [(4, 4)]]



[[{(1, 1)}, {(626, 1)}], [(1, 1)], [(626)], [(18, 2), (2, 18)]]

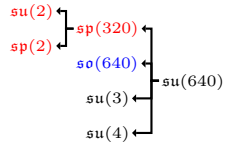


[[{(1, 1)}, {(628, 1)}], [(1, 1)], [(628)], [(1, 2)], [(2, 1)]]

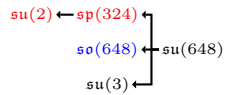


[[{(1, 1)}, {(629, 1)}], [(1, 1)], [(629)], [(1, 1)], [(1, 1)]]

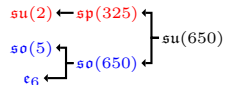
$[[\langle 2, 1 \rangle], [(34, 0), (0, 34)], [(3, 2, 1), (1, 2, 3)], [\langle 1, 2 \rangle], \{\langle 34, 2 \rangle\}, \{\langle 2, 1 \rangle\}, \{\langle 34, 1 \rangle\}, \{\langle 1, 2 \rangle, \langle 2, 1 \rangle\}, \{\langle 6, 1 \rangle, \langle 7, 2 \rangle\}, \{\langle 1, 1 \rangle, \langle 3, 1 \rangle\}, \{\langle 6, 1 \rangle, \langle 8, 1 \rangle\}]$



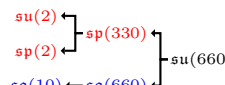
$[[\langle 1, 1 \rangle], \{\langle 639, 1 \rangle\}], [\langle 1, 1 \rangle], [(639)], [(3, 5)], [\langle 1, 1 \rangle], [(15, 3), (3, 15)], [(5, 1, 1), (1, 1, 5)]]$



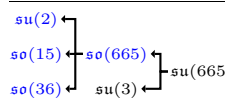
$[[\langle 1, 1 \rangle], \{\langle 647, 1 \rangle\}], [\langle 1, 1 \rangle], [(647)], [\langle 1, 1 \rangle], [(11, 5), (5, 11)]]$



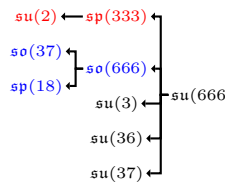
$[[\langle 1, 1 \rangle], \{\langle 649, 1 \rangle\}], [\langle 1, 1 \rangle], [(649)], [\langle 1, 1 \rangle], [(11, 0)], [\langle 1, 1 \rangle], \langle 6, 1 \rangle]]$



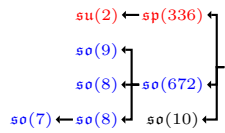
$[[\langle 1, 1 \rangle], \{\langle 659, 1 \rangle\}], [\langle 1, 1 \rangle], [(659)], [(1, 8)], [\langle 1, 1 \rangle], [(4, 0, 0, 0, 0)]]$



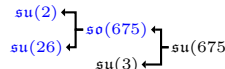
$[[\langle 1, 1 \rangle], \{\langle 664, 1 \rangle\}], [\langle 1, 1 \rangle], [(664)], [\langle 1, 3 \rangle], [\langle 1, 2 \rangle], [(13, 4), (4, 13)]]$



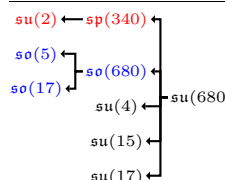
$[[\langle 1, 1 \rangle], \{\langle 665, 1 \rangle\}], [\langle 1, 1 \rangle], [(665)], [\langle 1, 1 \rangle], [\langle 2, 1 \rangle], [\langle 1, 2 \rangle], [(35, 0), (0, 35)], [\langle 1, 2 \rangle], \{\langle 35, 2 \rangle\}, [\langle 2, 1 \rangle], \{\langle 35, 1 \rangle\}]]$



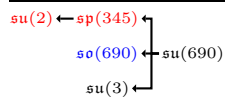
$[[\langle 1, 1 \rangle], \{\langle 671, 1 \rangle\}], [\langle 1, 1 \rangle], [(671)], [\langle 1, 1 \rangle], [(0, 0, 0, 3)], [(3, 0, 1, 0), (3, 0, 0, 1), (1, 0, 3, 0), (1, 0, 0, 3), (0, 0, 3, 1), (0, 0, 1, 3)], [(5, 0, 0, 0), (0, 0, 5, 0), (0, 0, 0, 5)], [(0, 0, 5)], [(0, 0, 0, 3, 0), (0, 0, 0, 0, 3)]]$



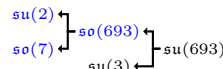
$[[\langle 1, 1 \rangle], \{\langle 674, 1 \rangle\}], [\langle 1, 1 \rangle], [(674)], [\langle 1, 1 \rangle], \langle 25, 1 \rangle], [(24, 1), (1, 24)]]$



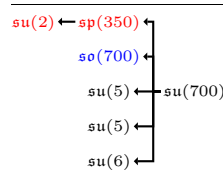
$[[\langle 1, 1 \rangle], \{\langle 679, 1 \rangle\}], [\langle 1, 1 \rangle], [(679)], [\langle 1, 1 \rangle], [(0, 14)], [\langle 3, 1 \rangle], [(14, 0, 0), (0, 0, 14)], [\langle 1, 3 \rangle], \{\langle 14, 3 \rangle\}, [\langle 3, 1 \rangle], \{\langle 14, 1 \rangle\}]]$



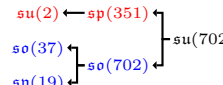
$[[\langle 1, 1 \rangle], \{\langle 689, 1 \rangle\}], [\langle 1, 1 \rangle], [(689)], [\langle 1, 1 \rangle], [(19, 2), (2, 19)]]$



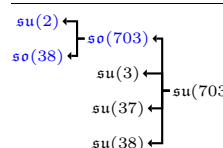
$[[\langle 1, 1 \rangle], \{\langle 692, 1 \rangle\}], [\langle 1, 1 \rangle], [(692)], [(1, 2, 0)], [(10, 6), (6, 10)]]$



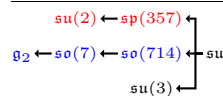
$[[\langle 1, 1 \rangle], \{\langle 699, 1 \rangle\}], [\langle 1, 1 \rangle], [(699)], [\langle 1, 1 \rangle], [(1, 0, 3, 0), (0, 3, 0, 1)], [(2, 1, 1, 0), (0, 1, 1, 2)], [(4, 0, 0, 0, 1), (1, 0, 0, 0, 4)]]$



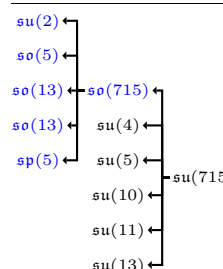
$[[\langle 1, 1 \rangle], \{\langle 701, 1 \rangle\}], [\langle 1, 1 \rangle], [(701)], [\langle 1, 1 \rangle], [\langle 1, 2 \rangle], [\langle 2, 1 \rangle]]$



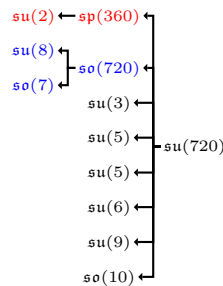
$[[\langle 1, 1 \rangle], \{\langle 702, 1 \rangle\}], [\langle 1, 1 \rangle], [(702)], [\langle 2, 1 \rangle], [(36, 0), (0, 36)], [\langle 1, 2 \rangle], \{\langle 36, 2 \rangle\}, [\langle 2, 1 \rangle], \{\langle 36, 1 \rangle\}]]$



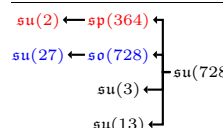
$[[\langle 1, 1 \rangle], \{\langle 713, 1 \rangle\}], [\langle 1, 1 \rangle], [(713)], [\langle 1, 1 \rangle], [(6, 0, 0)], [(6, 0)], [(16, 3), (3, 16)]]$



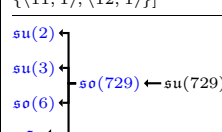
$[[\langle 1, 1 \rangle], \{\langle 714, 1 \rangle\}], [\langle 1, 1 \rangle], [(714)], [(1, 10)], [\langle 4, 1 \rangle], [\langle 1, 1 \rangle, \langle 2, 1 \rangle], [(4, 0, 0, 0, 0)], [(9, 0, 1), (1, 0, 9)], [(9, 0, 0, 0), (0, 0, 0, 9)], [\langle 1, 4 \rangle], \{\langle 9, 4 \rangle\}, [\langle 1, 2 \rangle], [(10, 1), \langle 1, 1 \rangle, \langle 10, 2 \rangle], [\langle 4, 1 \rangle], \{\langle 9, 1 \rangle\}]]$



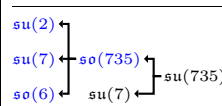
$[[\langle 1, 1 \rangle], \{\langle 719, 1 \rangle\}], [\langle 1, 1 \rangle], [(719)], [\langle 1, 1 \rangle], [\langle 2, 1 \rangle], \langle 6, 1 \rangle], [(0, 2, 1)], [(9, 7), (7, 9)], [(1, 2, 0, 1), (1, 0, 2, 1)], [(5, 1, 0, 0), (0, 0, 1, 5)], [(3, 0, 0, 1, 0), (0, 1, 0, 0, 3)], [\langle 1, 1 \rangle], \langle 6, 1 \rangle], \{\langle 3, 1 \rangle, \langle 8, 1 \rangle\}, [(2, 0, 0, 1, 0), (2, 0, 0, 0, 1)]]$



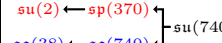
$[[\langle 1, 1 \rangle], \{\langle 727, 1 \rangle\}], [\langle 1, 1 \rangle], [(727)], [\langle 1, 1 \rangle], [\langle 1, 1 \rangle], \langle 26, 1 \rangle], [(25, 1), (1, 25)], [\langle 1, 1 \rangle, \langle 2, 1 \rangle], \{\langle 11, 1 \rangle, \langle 12, 1 \rangle\}]]$



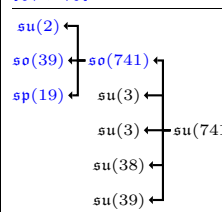
$[[\langle 1, 1 \rangle], \{\langle 728, 1 \rangle\}], [\langle 1, 1 \rangle], [(728)], [(8, 8)], [(2, 2, 2)], [(2, 2)]]$



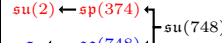
$[[\langle 1, 1 \rangle], \{\langle 734, 1 \rangle\}], [\langle 1, 1 \rangle], [(734)], [\langle 1, 2 \rangle], \langle 6, 2 \rangle], [\langle 4, 1, 1 \rangle], [\langle 1, 1 \rangle, \langle 2, 1 \rangle], \langle 6, 1 \rangle], \{\langle 1, 1 \rangle, \langle 5, 1 \rangle, \langle 6, 1 \rangle\}]]$



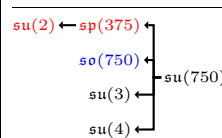
$[[\langle 1, 1 \rangle], \{\langle 739, 1 \rangle\}], [\langle 1, 1 \rangle], [(739)], [\langle 1, 1 \rangle], [\langle 1, 2 \rangle]]$



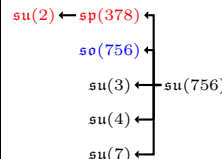
$[[\langle 1, 1 \rangle], \{\langle 740, 1 \rangle\}], [\langle 1, 1 \rangle], [(740)], [\langle 2, 1 \rangle], [\langle 1, 2 \rangle], [(12, 5), (5, 12)], [(37, 0), (0, 37)], [\langle 1, 2 \rangle], \{\langle 37, 2 \rangle\}, [\langle 2, 1 \rangle], \{\langle 37, 1 \rangle\}]]$



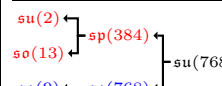
$[[\langle 1, 1 \rangle], \{\langle 747, 1 \rangle\}], [\langle 1, 1 \rangle], [(747)], [\langle 1, 1 \rangle], [(0, 4)]]$



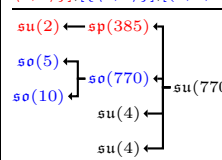
$[[\langle 1, 1 \rangle], \{\langle 749, 1 \rangle\}], [\langle 1, 1 \rangle], [(749)], [\langle 1, 1 \rangle], [(14, 4), (4, 14)], [(4, 3, 0), (0, 3, 4)]]$



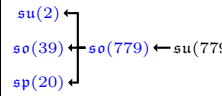
$[[\langle 1, 1 \rangle], \{\langle 755, 1 \rangle\}], [\langle 1, 1 \rangle], [(755)], [\langle 1, 1 \rangle], [(20, 2), (2, 20)], [(2, 3, 1), (1, 3, 2)], [\langle 1, 2 \rangle, \langle 3, 1 \rangle], \{\langle 4, 1 \rangle, \langle 6, 2 \rangle\}]]$

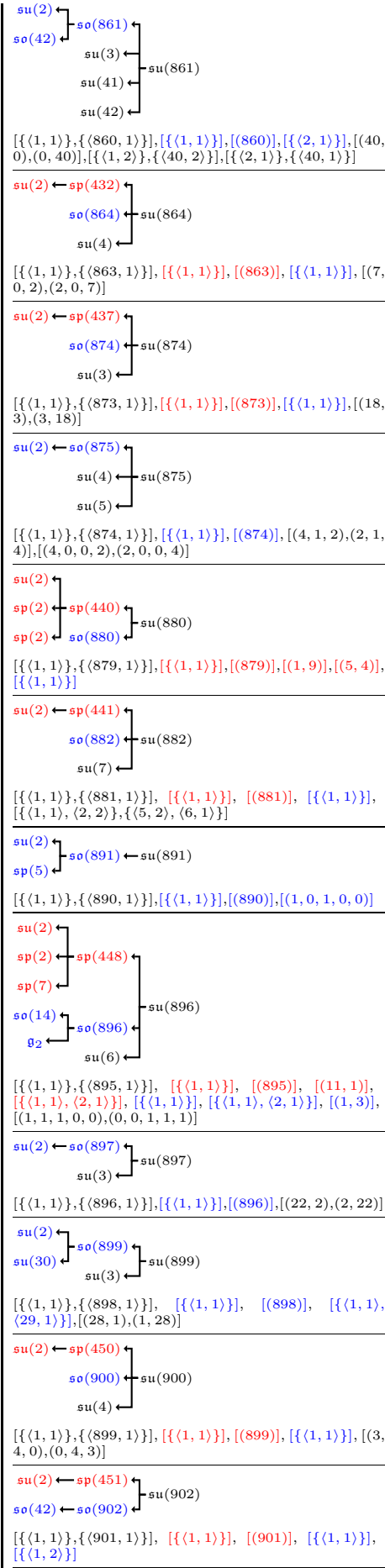
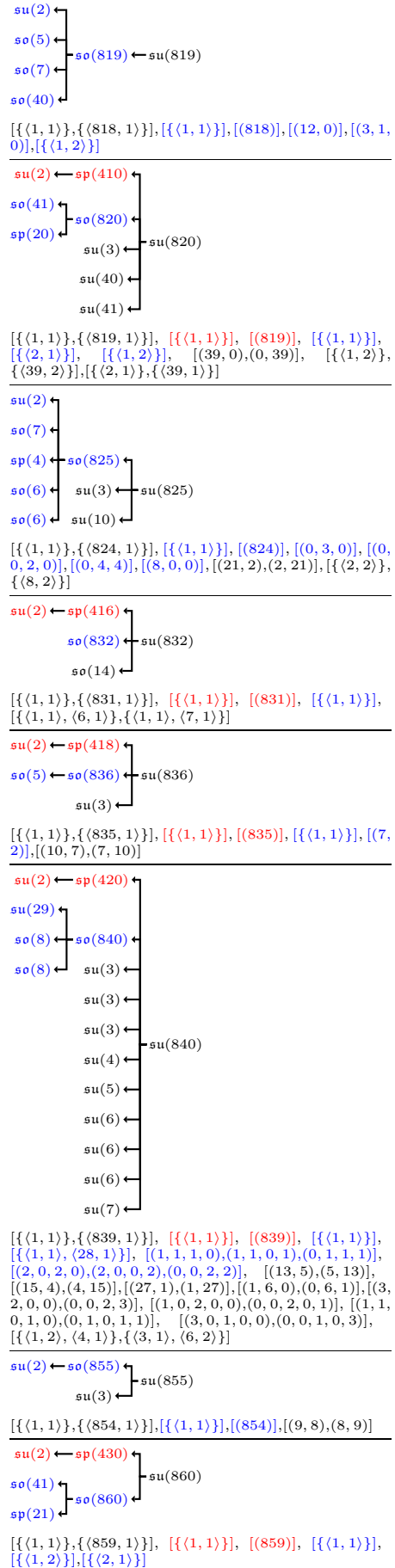
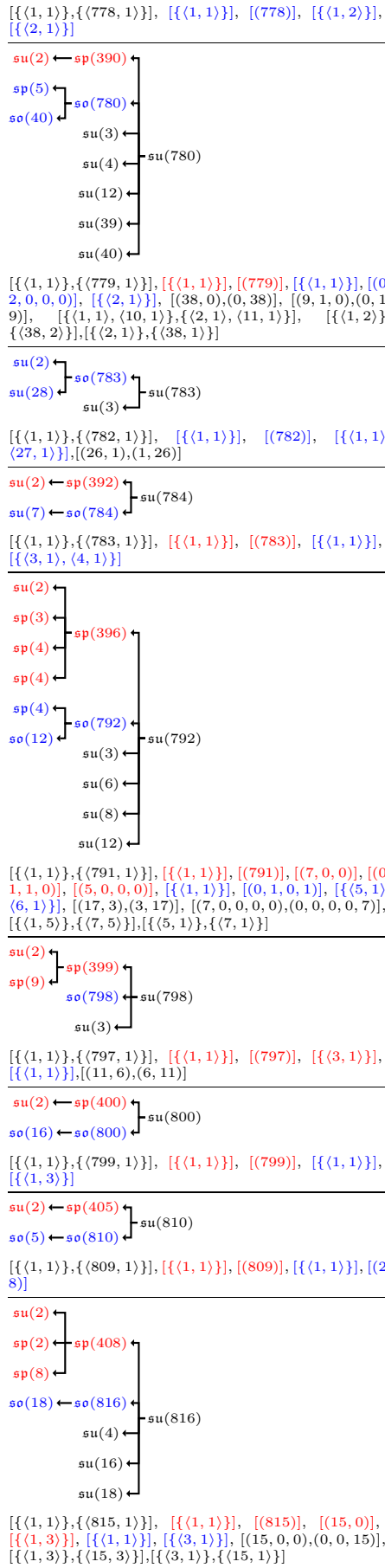


$[[\langle 1, 1 \rangle], \{\langle 767, 1 \rangle\}], [\langle 1, 1 \rangle], [(767)], [\langle 1, 1 \rangle], \langle 6, 1 \rangle], [\langle 1, 1 \rangle], [\langle 1, 1 \rangle], [(0, 0, 1, 1)]]$

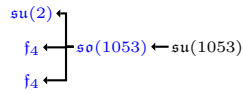


$[[\langle 1, 1 \rangle], \{\langle 769, 1 \rangle\}], [\langle 1, 1 \rangle], [(769)], [\langle 1, 1 \rangle], [(3, 6)], [(0, 2, 0, 0, 0)], [(5, 0, 3), (3, 0, 5)], [(6, 2, 0), (0, 2, 6)]]$

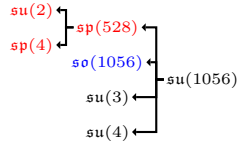




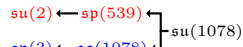
[(20, 3), (3, 20)], [(24, 2), (2, 24)], [(1, 2, 1, 0), (0, 1, 2, 1)], [(3, 0, 1, 1), (1, 1, 0, 3)], [(1, 0, 1, 1, 0), (0, 1, 1, 0, 1)], [(3, 0, 0, 2), (2, 0, 0, 3)], [(4, 1, 0, 0, 0), (0, 0, 0, 1, 4)], [(1, 1, 1), (5, 1)], [(4, 1), (8, 1)], [(1, 0, 0, 2, 0), (1, 0, 0, 0, 2)]



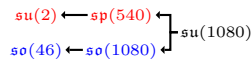
[[{1, 1}], {(1052, 1)}, [{1, 1}], [(1052)], [(1, 0, 0, 1)], [(2, 0, 0, 0)]]



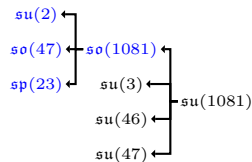
[[{1, 1}], {(1055, 1)}, [{1, 1}], [(1055)], [(0, 0, 1, 1)], [{1, 1}], [(15, 5), (5, 15)], [(7, 2, 0), (0, 2, 7)]]



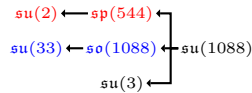
[[{1, 1}], {(1077, 1)}, [{1, 1}], [(1077)], [{1, 1}], [(2, 0, 2)]]



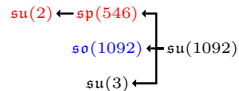
[[{1, 1}], {(1079, 1)}, [{1, 1}], [(1079)], [{1, 1}], [(1, 2)]]



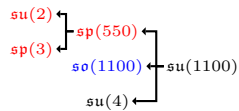
[[{1, 1}], {(1080, 1)}, [{1, 1}], [(1080)], [(2, 1)], [(1, 2)], [(45, 0), (0, 45)], [(1, 2)], {(45, 2)}, [(2, 1)], {(45, 1)]]



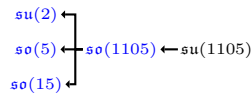
[[{1, 1}], {(1087, 1)}, [{1, 1}], [(1087)], [(1, 1)], [(1, 1), (32, 1)], [(31, 1), (1, 31)]]



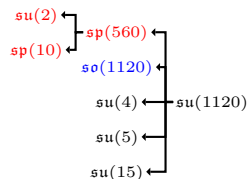
[[{1, 1}], {(1091, 1)}, [{1, 1}], [(1091)], [(1, 1)], [(12, 7), (7, 12)]]



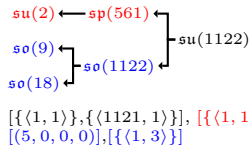
[[{1, 1}], {(1099, 1)}, [{1, 1}], [(1099)], [(4, 0, 1)], [(1, 1)], [(5, 3, 0), (0, 3, 5)]]



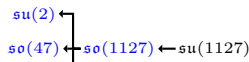
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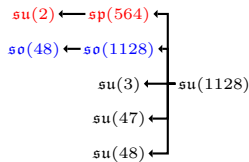
[[{1, 1}], {(1119, 1)}, [{1, 1}], [(1119)], [(3, 1)], [(1, 1)], [(6, 0, 3), (3, 0, 6)], [(1, 1, 2, 0), (0, 2, 1, 1)], [(1, 1), (2, 1)], [(13, 1), (14, 1)]]



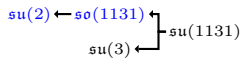
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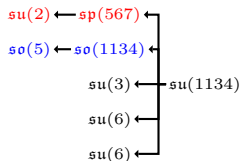
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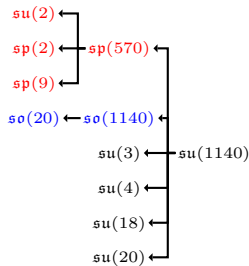
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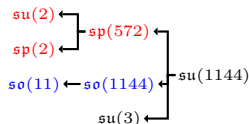
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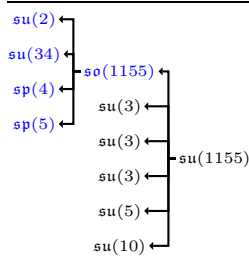
[[{1, 1}], {(1133, 1)}, [(1, 1)], [(1133)], [(1, 1)], [(8, 2)], [(11, 8), (8, 11)], [(2, 1, 0, 0, 1), (1, 0, 0, 1, 2)], [(2, 2, 0, 0, 0), (0, 0, 0, 2, 2)]]



[[{1, 1}], {(1139, 1)}, [(1, 1)], [(1139)], [(17, 0)], [(1, 3)], [(1, 1)], [(18, 4), (4, 18)], [(17, 0, 0), (0, 0, 17)], [(1, 3)], {(17, 3)}, {(3, 1)}, {(17, 1)]]

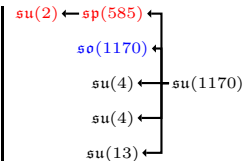


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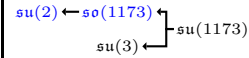


[[{1, 1}], {(1154, 1)}, [(1, 1)], [(1154)], [(1, 1), (33, 1)], [(2, 0, 0, 1)], [(1, 0, 0, 0, 1)], [(10, 9), (9, 10)], [(14, 6), (6, 14)], [(32, 1), (1, 32)], [(6, 1, 0, 0), (0, 0, 1, 6)], [(1, 1), (7, 1)], {(3, 1), (9, 1)]]

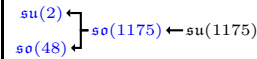
[[{1, 1}], {(1119, 1)}, [(1, 1)], [(1119)], [(3, 1)], [(1, 1)], [(6, 0, 3), (3, 0, 6)], [(1, 1, 2, 0), (0, 2, 1, 1)], [(1, 1), (2, 1)], [(13, 1), (14, 1)]]



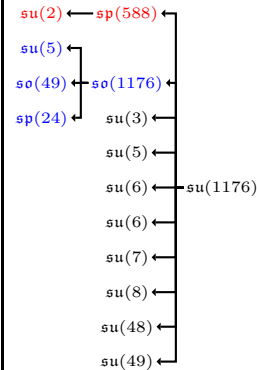
[[{1, 1}], {(1169, 1)}, [(1, 1)], [(1169)], [(1, 1)], [(8, 0, 2), (2, 0, 8)], [(11, 0, 1), (1, 0, 11)], [(1, 2), (12, 1)], {(1, 1), (12, 2)]]



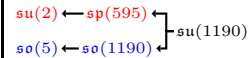
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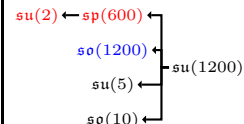
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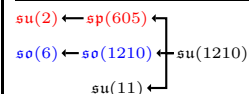
[[{1, 1}], {(1175, 1)}, [(1, 1)], [(1175)], [(1, 1)], [(0, 2, 2, 0)], [(2, 1)], [(47, 0), (0, 47)], [(0, 5, 0, 0), (0, 0, 5, 0)], [(0, 2, 0, 1, 0), (0, 1, 0, 2, 0)], [(0, 2, 1, 0, 0), (0, 0, 1, 2, 0)], [(2, 3)], {(5, 3)}, {(3, 2)}, {(5, 2)}, {(1, 2)}, {(47, 2)}, {(2, 1)}, {(47, 1)]]



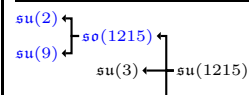
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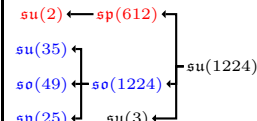
[[{1, 1}], {(1199, 1)}, [(1, 1)], [(1199)], [(1, 1)], [(3, 0, 2, 0), (0, 2, 0, 3)], [(0, 0, 1, 1, 0), (0, 0, 1, 0, 1)]]



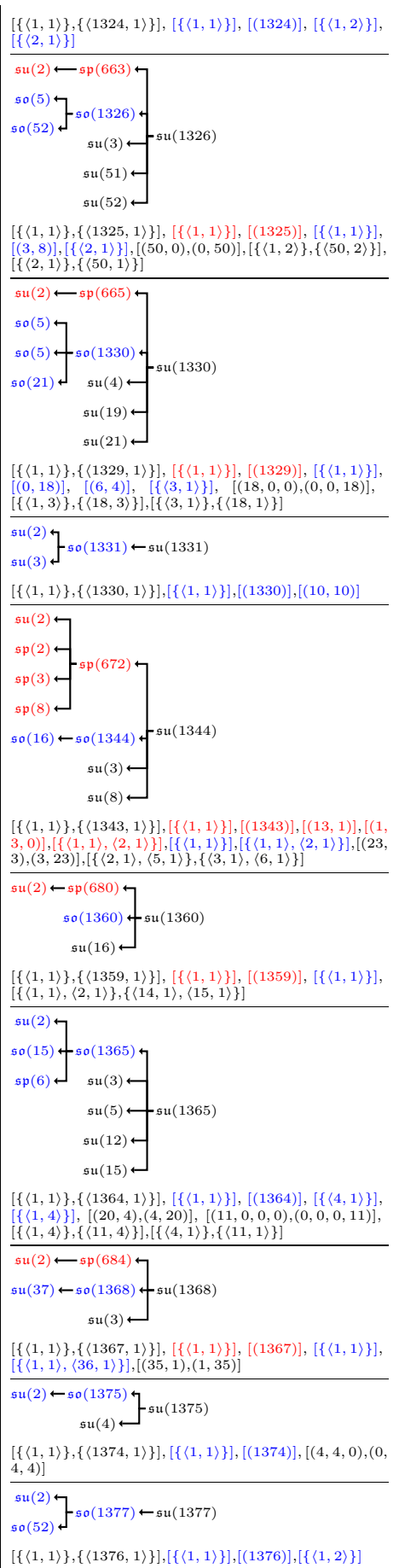
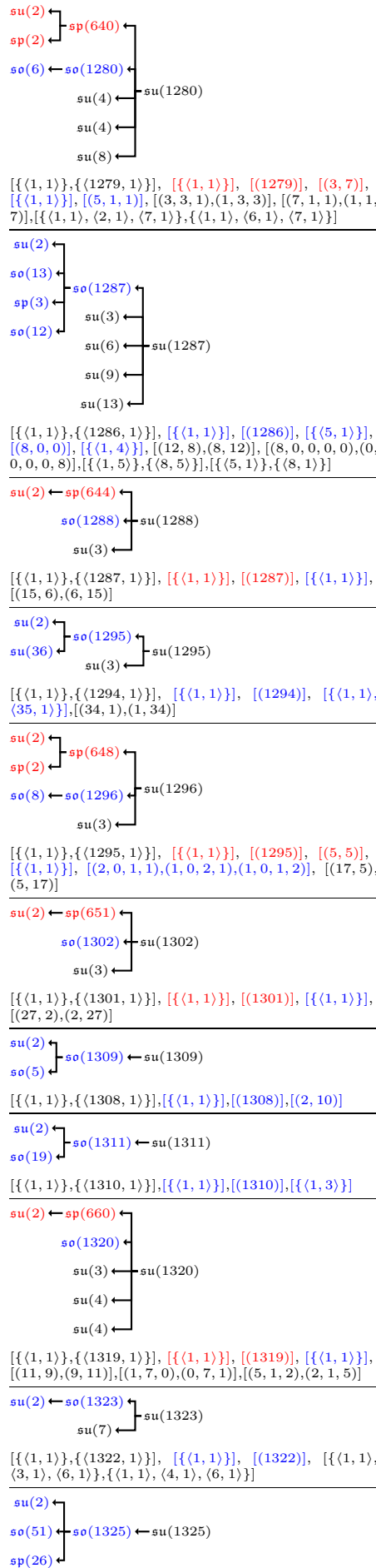
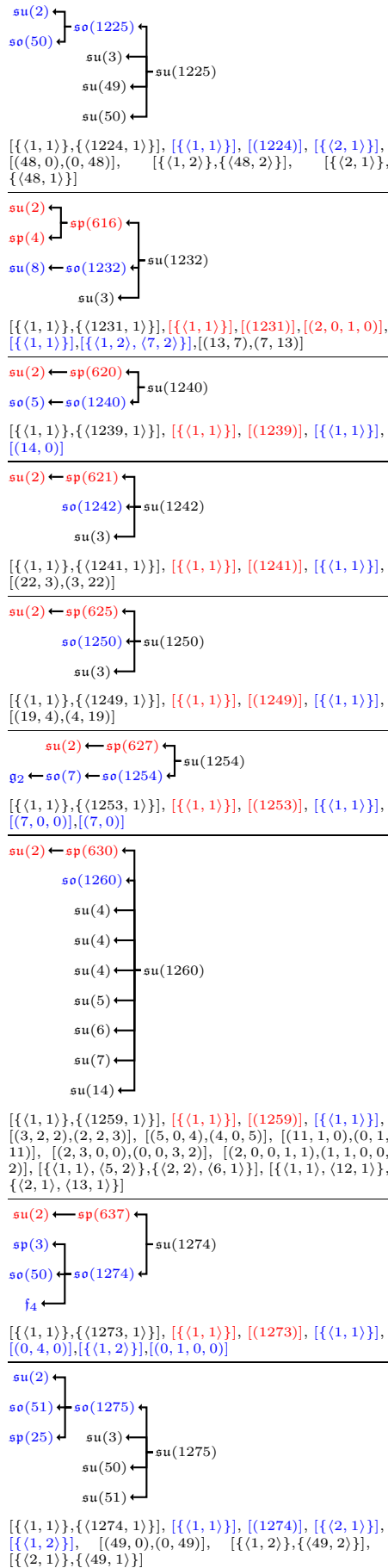
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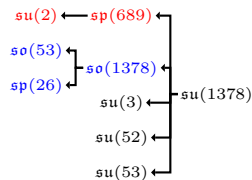


[[{1, 1}], {(1214, 1)}, [(1, 1)], [(1214)], [(2, 1), (7, 1)], [(26, 2), (2, 26)], [(2, 1, 0, 2), (2, 0, 1, 2)]]

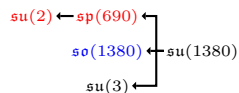


[[{1, 1}], {(1223, 1)}, [(1, 1)], [(1223)], [(1, 1)], [(1, 1), (34, 1)], [(1, 2)], [(2, 1)], [(33, 1), (1, 33)]]

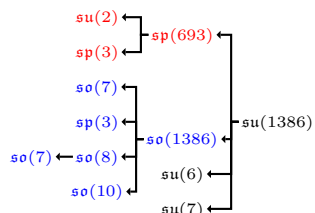




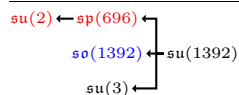
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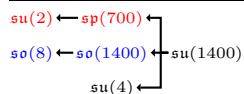
[[{1, 1}], {(1379, 1)}], [{"(1, 1)"}], [(1379)], [{"(1, 1)"}], [(14, 7), (7, 14)]



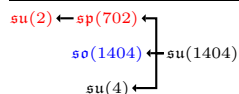
[[{1, 1}], {(1385, 1)}], [{"(1, 1)"}], [(1385)], [(2, 1, 1)], [{"(1, 1)"}], [(1, 0, 4)], [(1, 0, 3)], [(6, 0, 0, 0), (0, 0, 6, 0), (0, 0, 0, 6)], [(0, 0, 6)], [(2, 1, 0, 0, 0)], [(5, 0, 0, 0, 1), (1, 0, 0, 0, 5)], [(1, 4), (6, 1)], {(1, 1), (6, 4)}]



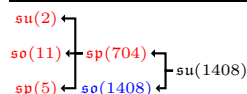
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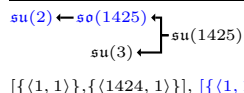
[[{1, 1}], {(1399, 1)}], [{"(1, 1)"}], [(1399)], [{"(1, 1)"}], [(1, 2, 0, 0), (0, 2, 1, 0), (0, 2, 0, 1)], [(2, 4, 1), (1, 4, 2)]



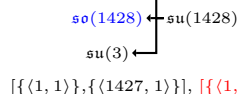
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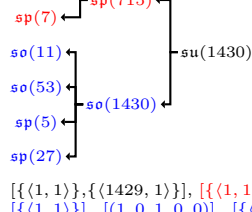
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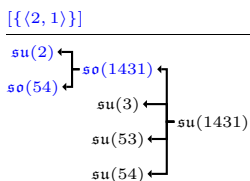
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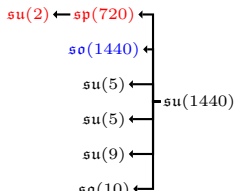
[[{1, 1}], {(1427, 1)}], [{"(1, 1)"}], [(1427)], [{"(1, 1)"}], [(16, 6), (6, 16)]



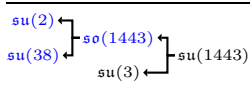
[[{1, 1}], {(1429, 1)}], [{"(1, 1)"}], [(1429)], [(7, 1)], [{"(1, 1)"}], [(1, 0, 1, 0, 0)], [{"(1, 2)"}], [(2, 1, 0, 0, 0)]



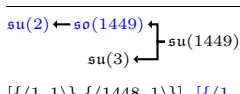
[[{1, 1}], {(1430, 1)}], [{"(1, 1)"}], [(1430)], [{"(2, 1)"}], [(52, 0), (0, 52)], [{"(1, 2)}, {(52, 2)}], [{"(2, 1)"}], {(52, 1)}]



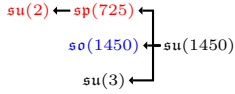
[[{1, 1}], {(1439, 1)}], [{"(1, 1)"}], [(1439)], [{"(1, 1)"}], [(3, 1, 1, 0), (0, 1, 1, 3)], [(7, 0, 0, 1), (1, 0, 0, 7)], [{"(1, 3)}, (8, 1)], [{"(1, 1)}, (8, 3)], [(0, 0, 0, 2, 1), (0, 0, 0, 1, 2)]



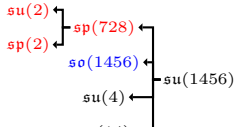
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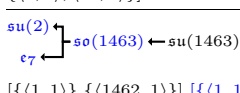
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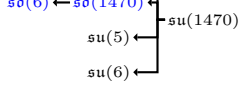
[[{1, 1}], {(1449, 1)}], [{"(1, 1)"}], [(1449)], [{"(1, 1)"}], [(24, 3), (3, 24)]



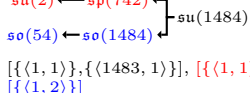
[[{1, 1}], {(1455, 1)}], [{"(1, 1)"}], [(1455)], [(1, 11)], [{"(1, 1)"}], [(12, 0, 1), (1, 0, 12)], [{"(1, 2)}, (13, 1)], [(1, 1), (13, 2)]



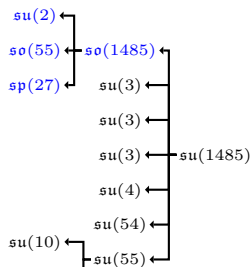
[[{1, 1}], {(1462, 1)}], [{"(1, 1)"}], [(1462)], [(7, 2)]



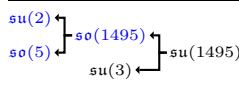
[[{1, 1}], {(1469, 1)}], [{"(1, 1)"}], [(1469)], [{"(1, 1)"}], [(3, 2, 2)], [(1, 4, 0, 0), (0, 0, 4, 1)], [(0, 1, 2, 0, 0), (0, 0, 2, 1, 0)]



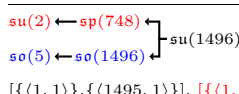
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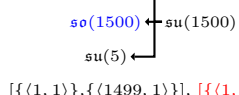
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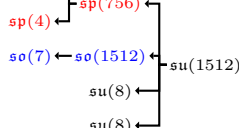
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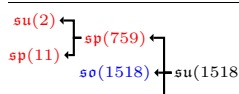
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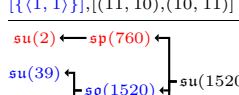
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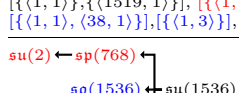
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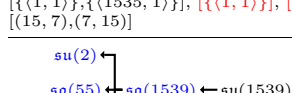
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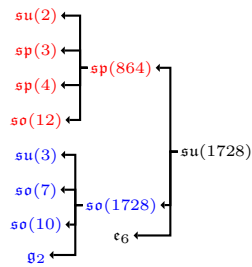
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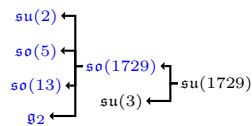
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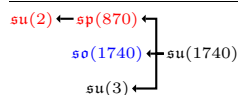
[[{1, 1}], {(1538, 1)}], [{"(1, 1)"}], [(1538)], [{"(1, 2)"}], [{"(2, 1)"}], {(6, 1)}]



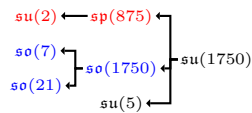
$\{ \langle (1, 1), \langle (1727, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1727)], [(5, 1, 0)],$
 $\{ (3, 1, 0, 0) \}, \{ (2, 1), (5, 1), (2, 1), (6, 1) \},$
 $\{ \langle (1, 1) \rangle \}, [(11, 11)], [(2, 0, 3)], [(1, 0, 0, 1, 1)], [(5, 1)],$
 $\{ \langle (1, 1), (2, 1) \rangle \}, \{ (2, 1), (6, 1) \}$



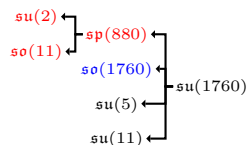
$\{ \langle (1, 1), \langle (1728, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1728)], [(5, 6)],$
 $\{ \langle (1, 4) \rangle \}, [(0, 5)], [(18, 6), (6, 18)]$



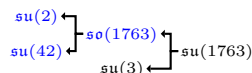
$\{ \langle (1, 1), \langle (1739, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1739)], \{ \langle (1, 1) \rangle \},$
 $\{ (23, 4), (4, 23) \}$



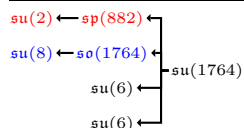
$\{ \langle (1, 1), \langle (1749, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1749)], \{ \langle (1, 1) \rangle \},$
 $\{ (4, 1, 0) \}, \{ \langle (1, 3) \rangle \}, \{ (4, 1, 0, 1), (1, 0, 1, 4) \}$



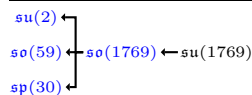
$\{ \langle (1, 1), \langle (1759, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1759)], [(2, 0, 0, 0, 1)],$
 $\{ \langle (1, 1) \rangle \}, \{ (7, 1, 0, 0), (0, 0, 1, 7) \}, \{ \langle (1, 1), (8, 1) \rangle \},$
 $\{ (3, 1), (10, 1) \}$



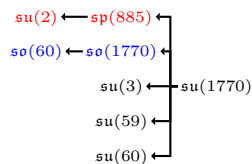
$\{ \langle (1, 1), \langle (1762, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1762)], \{ \langle (1, 1), (41, 1) \rangle \},$
 $\{ (40, 1), (1, 40) \}$



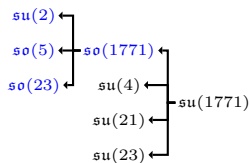
$\{ \langle (1, 1), \langle (1763, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1763)], \{ \langle (1, 1) \rangle \},$
 $\{ \langle (4, 2) \rangle \}, [(0, 4, 0, 0, 0), (0, 0, 0, 4, 0)], [(1, 3, 0, 0, 0), (0, 0, 0, 3, 1)]$



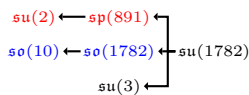
$\{ \langle (1, 1), \langle (1768, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1768)], \{ \langle (1, 2) \rangle \},$
 $\{ \langle (2, 1) \rangle \}$



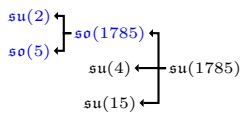
$\{ \langle (1, 1), \langle (1769, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1769)], \{ \langle (1, 1) \rangle \},$
 $\{ \langle (2, 1) \rangle \}, [(58, 0), (0, 58)], \{ \langle (1, 2) \rangle \}, \{ \langle (58, 2) \rangle \},$
 $\{ \langle (2, 1) \rangle \}, \{ \langle (58, 1) \rangle \}$



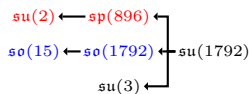
$\{ \langle (1, 1), \langle (1770, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1770)], [(0, 20)],$
 $\{ \langle (3, 1) \rangle \}, [(20, 0, 0), (0, 0, 20)], \{ \langle (1, 3) \rangle \}, \{ \langle (20, 3) \rangle \},$
 $\{ \langle (3, 1) \rangle \}, \{ \langle (20, 1) \rangle \}$



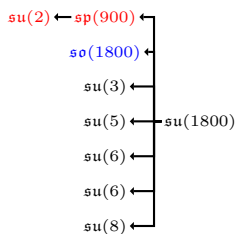
$\{ \langle (1, 1), \langle (1781, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1781)], \{ \langle (1, 1) \rangle \},$
 $\{ (5, 0, 0, 0, 0) \}, [(32, 2), (2, 32)]$



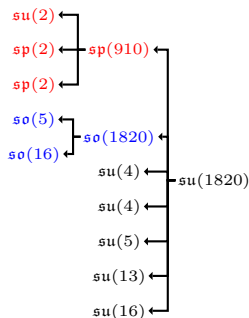
$\{ \langle (1, 1), \langle (1784, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1784)], [(16, 0)],$
 $\{ (13, 0, 1), (1, 0, 13) \}, \{ \langle (1, 2), \langle (14, 1) \rangle \}, \{ \langle (1, 1), (14, 2) \rangle \}$



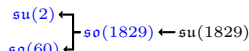
$\{ \langle (1, 1), \langle (1791, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1791)], \{ \langle (1, 1) \rangle \},$
 $\{ \langle (1, 1), (7, 1) \rangle \}, [(27, 3), (3, 27)]$



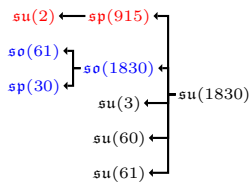
$\{ \langle (1, 1), \langle (1799, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1799)], \{ \langle (1, 1) \rangle \},$
 $\{ (15, 8), (8, 15) \}, [(2, 0, 3, 0), (0, 3, 0, 2)], [(2, 0, 0, 2, 0), (0, 2, 0, 0, 2)],$
 $\{ (4, 0, 1, 0, 0), (0, 0, 1, 0, 4) \}, \{ \langle (1, 2), (5, 1) \rangle \}, \{ (3, 1), (7, 2) \}$



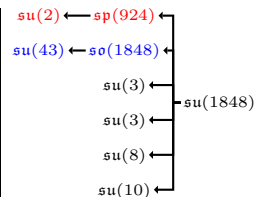
$\{ \langle (1, 1), \langle (1819, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1819)], [(1, 12)], [(5, 6)],$
 $\{ \langle (1, 1) \rangle \}, [(7, 4)], \{ \langle (4, 1) \rangle \}, [(6, 0, 4), (4, 0, 6)], [(9, 2, 0), (0, 2, 9)],$
 $[(12, 0, 0, 0), (0, 0, 0, 12)], \{ \langle (1, 4) \rangle \}, \{ \langle (12, 4) \rangle \}, \{ \langle (4, 1) \rangle \}, \{ \langle (12, 1) \rangle \}$



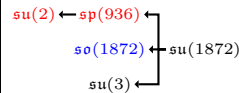
$\{ \langle (1, 1), \langle (1828, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1828)], \{ \langle (1, 2) \rangle \}$



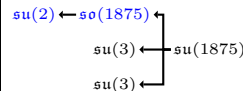
$\{ \langle (1, 1), \langle (1829, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1829)], \{ \langle (1, 1) \rangle \},$
 $\{ \langle (2, 1) \rangle \}, \{ \langle (1, 2) \rangle \}, [(59, 0), (0, 59)], \{ \langle (1, 2) \rangle \},$
 $\{ (59, 2) \}, \{ \langle (2, 1) \rangle \}, \{ \langle (59, 1) \rangle \}$



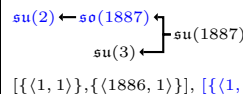
$\{ \langle (1, 1), \langle (1847, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1847)], \{ \langle (1, 1) \rangle \},$
 $\{ \langle (1, 1), (42, 1) \rangle \}, [(21, 5), (5, 21)], [(41, 1), (1, 41)],$
 $\{ \langle (1, 3), (2, 1) \rangle \}, \{ (6, 1), (7, 3) \}, \{ \langle (1, 1), (4, 1) \rangle \},$
 $\{ (6, 1), (9, 1) \}$



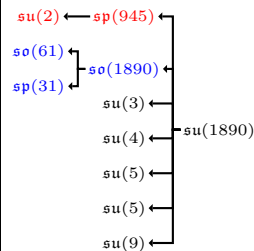
$\{ \langle (1, 1), \langle (1871, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1871)], \{ \langle (1, 1) \rangle \},$
 $\{ (17, 7), (7, 17) \}$



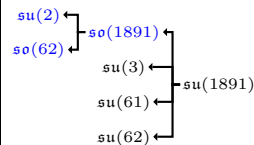
$\{ \langle (1, 1), \langle (1874, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1874)], [(14, 9), (9, 14)],$
 $\{ (24, 4), (4, 24) \}$



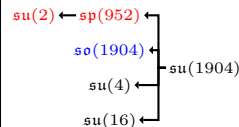
$\{ \langle (1, 1), \langle (1886, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1886)], [(33, 2), (2, 33)]$



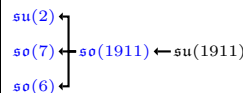
$\{ \langle (1, 1), \langle (1889, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1889)], \{ \langle (1, 1) \rangle \},$
 $\{ \langle (1, 2) \rangle \}, \{ \langle (2, 1) \rangle \}, [(19, 6), (6, 19)], [(6, 1, 2), (2, 1, 6)],$
 $\{ (1, 0, 4, 0), (0, 4, 0, 1) \}, [(2, 0, 2, 1), (1, 2, 0, 2)],$
 $\{ \langle (2, 1), (3, 1) \rangle \}, \{ (6, 1), (7, 1) \}$



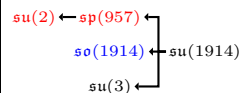
$\{ \langle (1, 1), \langle (1890, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1890)], \{ \langle (2, 1) \rangle \},$
 $\{ (60, 0), (0, 60) \}, \{ \langle (1, 2), \langle (60, 2) \rangle \}, \{ \langle (2, 1) \rangle \},$
 $\{ (60, 1) \}$



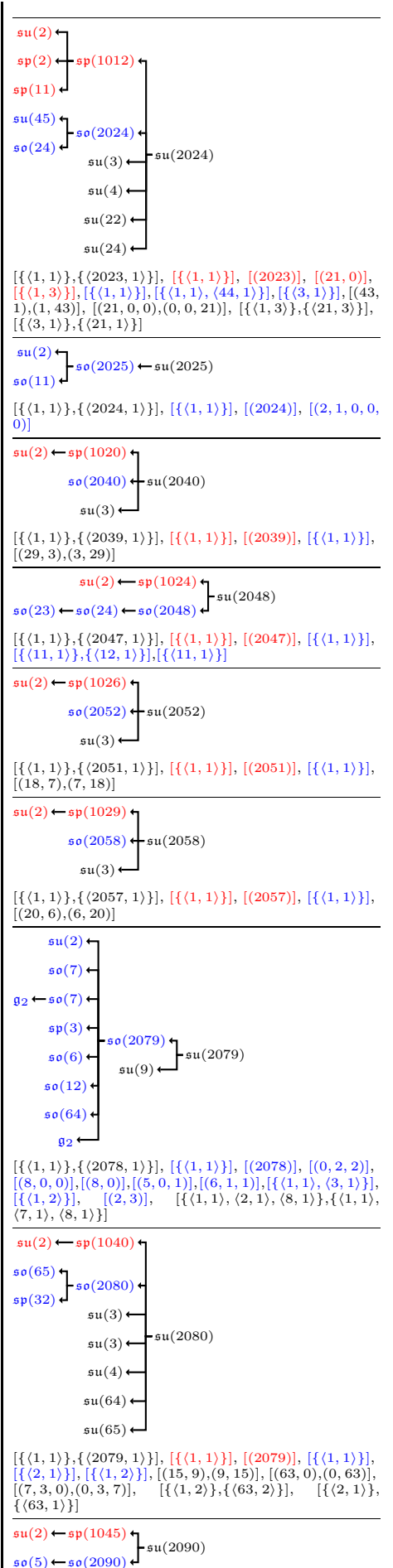
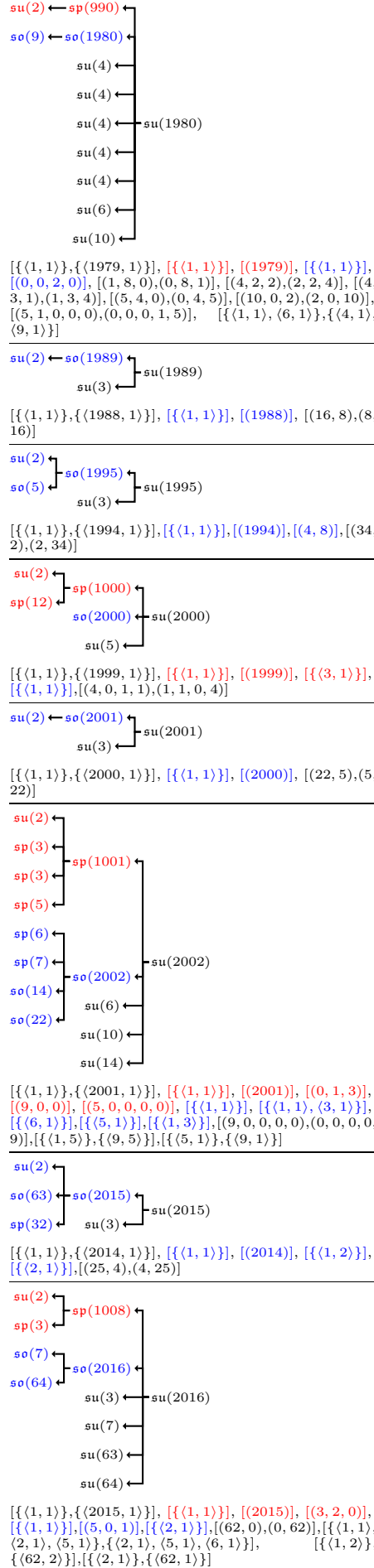
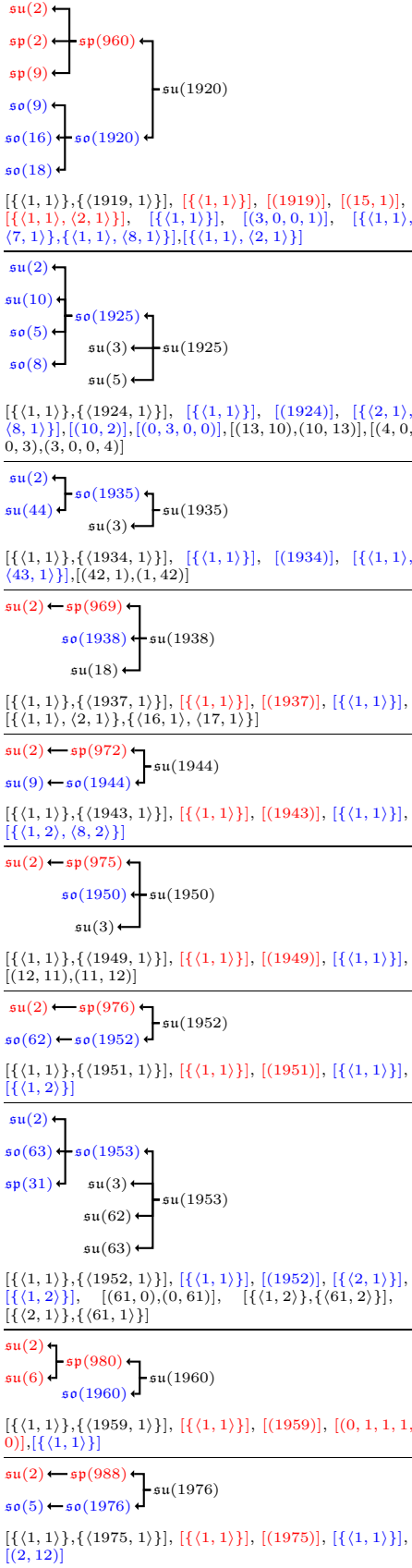
$\{ \langle (1, 1), \langle (1903, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1903)], \{ \langle (1, 1) \rangle \},$
 $\{ (13, 1, 0), (0, 1, 13) \}, \{ \langle (1, 1), (14, 1) \rangle \}, \{ \langle (2, 1), (15, 1) \rangle \}$

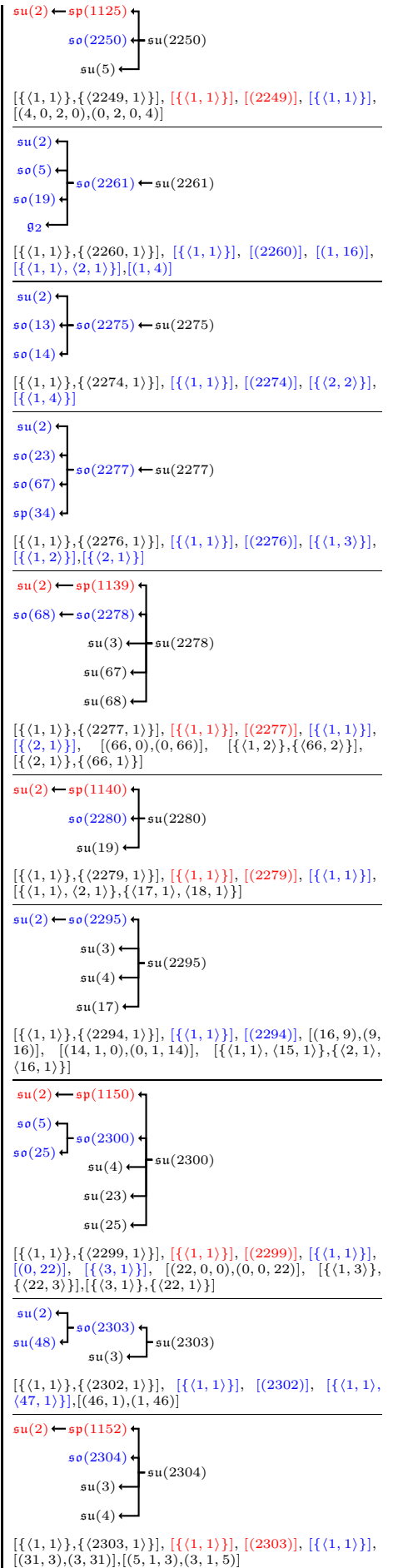
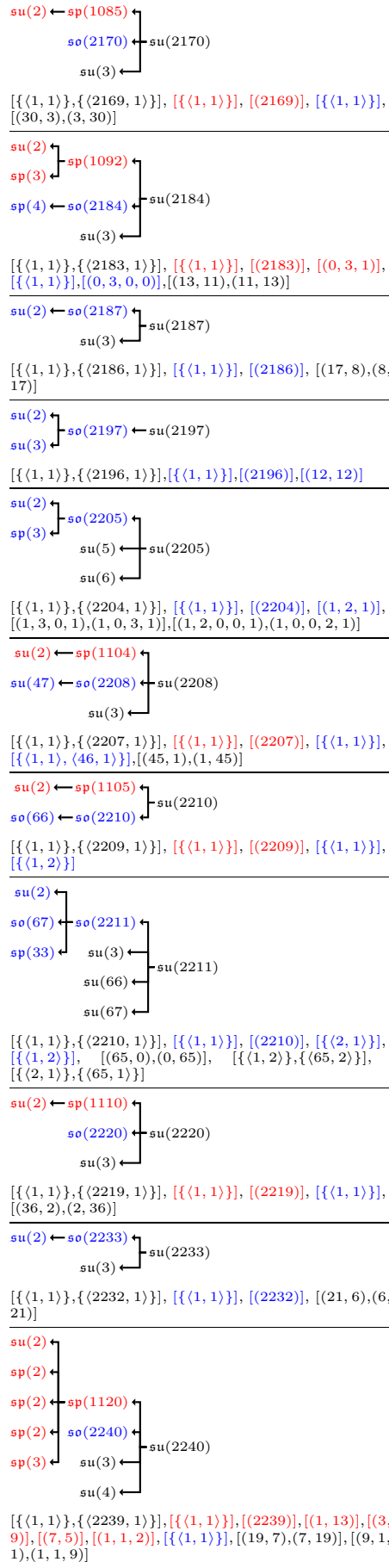
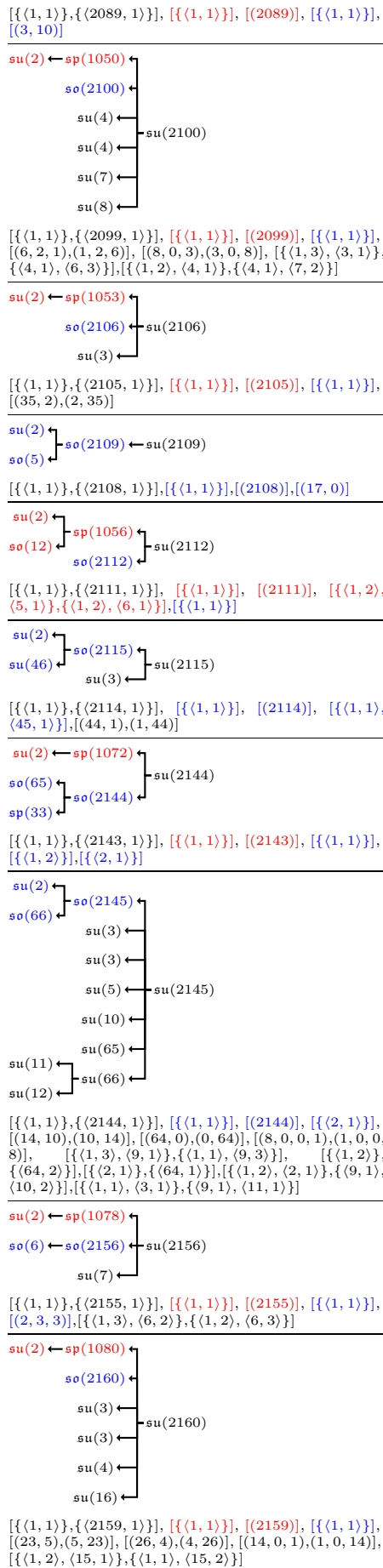


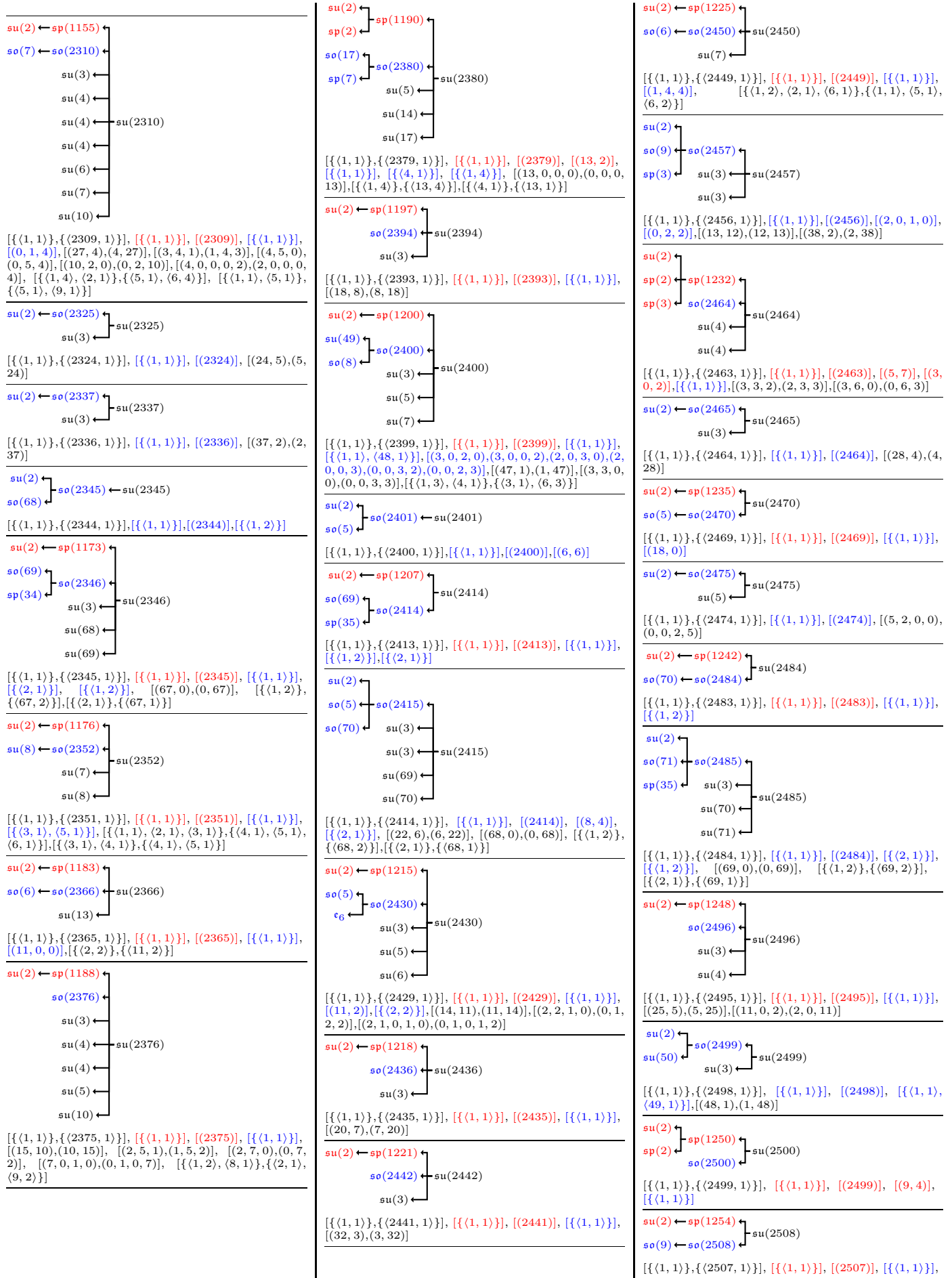
$\{ \langle (1, 1), \langle (1910, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1910)], [(2, 2, 0)],$
 $\{ (0, 5, 5) \}$



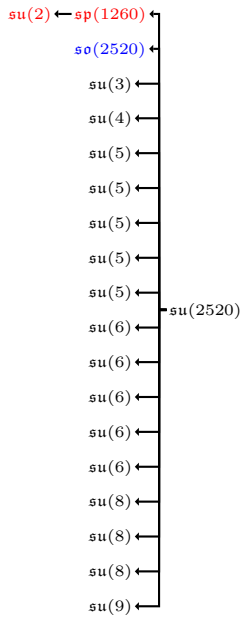
$\{ \langle (1, 1), \langle (1913, 1) \rangle \}, \{ \langle (1, 1) \rangle \}, [(1913)], \{ \langle (1, 1) \rangle \},$
 $\{ (28, 3), (3, 28) \}$



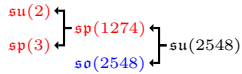




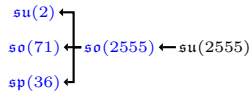
[(6, 0, 0, 0)]



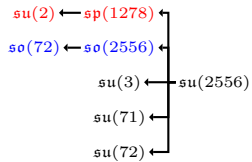
[[{(1, 1)}, {(2519, 1)}], [(1, 1)], [(2519)], [(1, 1)], [(17, 9), (9, 17)], [(7, 0, 4), (4, 0, 7)], [(0, 4, 1, 0), (0, 1, 4, 0)], [(0, 6, 0, 0), (0, 0, 6, 0)], [(2, 1, 1, 1), (1, 1, 1, 2)], [(3, 1, 0, 2), (2, 0, 1, 3)], [(6, 0, 0, 2), (2, 0, 0, 6)], [(1, 0, 0, 3, 0), (0, 3, 0, 0, 1)], [(2, 0, 2, 0, 0), (0, 0, 2, 0, 2)], [(2, 1, 1, 0, 0), (0, 0, 1, 1, 2)], [(3, 2, 0, 0, 0), (0, 0, 0, 2, 3)], [(6, 0, 0, 0, 1), (1, 0, 0, 0, 6)], [(2, 3), (6, 3)], [(1, 1, 6, 2), (2, 2), (7, 1)], [(1, 4), (7, 1)], [(1, 1, 7, 4)], [(3, 2), (6, 2)]]



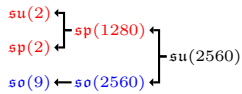
[[{(1, 1)}, {(2547, 1)}], [(1, 1)], [(2547)], [(0, 0, 5)], [(1, 1)]]



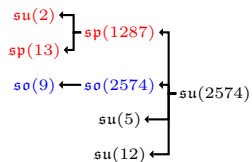
[[{(1, 1)}, {(2554, 1)}], [(1, 1)], [(2554)], [(1, 2)], [(2, 1)]]



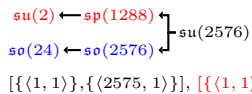
[[{(1, 1)}, {(2555, 1)}], [(1, 1)], [(2555)], [(1, 1)], [(2, 1)], [(70, 0), (0, 70)], [(1, 2), (70, 2)], [(2, 1), (70, 1)]]



[[{(1, 1)}, {(2559, 1)}], [(1, 1)], [(2559)], [(11, 3)], [(1, 1)], [(1, 0, 1)]]

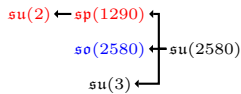


[[{(1, 1)}, {(2573, 1)}], [(1, 1)], [(2573)], [(3, 1)], [(1, 1)], [(1, 2, 0, 0)], [(8, 1, 0, 0), (0, 0, 1, 8)], [(1, 1, 9, 1)], [(3, 1), (11, 1)]]

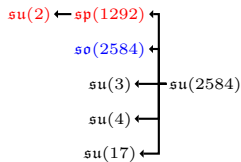


[[{(1, 1)}, {(2575, 1)}], [(1, 1)], [(2575)], [(1, 1)]]

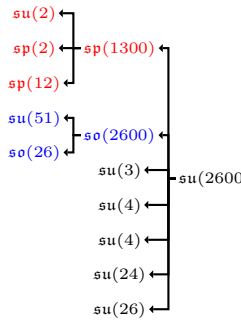
[(1, 3)]



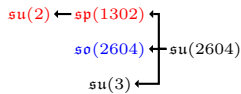
[[{(1, 1)}, {(2579, 1)}], [(1, 1)], [(2579)], [(1, 1)], [(39, 2), (2, 39)]]



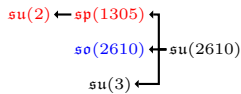
[[{(1, 1)}, {(2583, 1)}], [(1, 1)], [(2583)], [(1, 1)], [(33, 3), (3, 33)], [(15, 0, 1), (1, 0, 15)], [(1, 2), (16, 1)], [(1, 1), (16, 2)]]



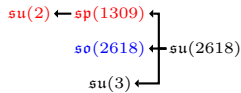
[[{(1, 1)}, {(2599, 1)}], [(1, 1)], [(2599)], [(23, 0)], [(1, 3)], [(1, 1)], [(1, 1), (50, 1)], [(3, 1)], [(49, 1), (1, 49)], [(7, 1, 2), (2, 1, 7)], [(23, 0, 0), (0, 0, 23)], [(1, 3), (23, 3)], [(3, 1), (23, 1)]]



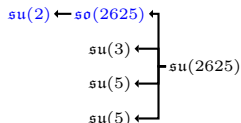
[[{(1, 1)}, {(2603, 1)}], [(1, 1)], [(2603)], [(1, 1)], [(23, 6), (6, 23)]]



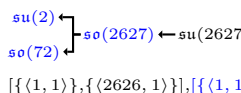
[[{(1, 1)}, {(2609, 1)}], [(1, 1)], [(2609)], [(1, 1)], [(19, 8), (8, 19)]]



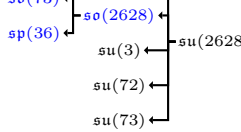
[[{(1, 1)}, {(2617, 1)}], [(1, 1)], [(2617)], [(1, 1)], [(16, 10), (10, 16)]]



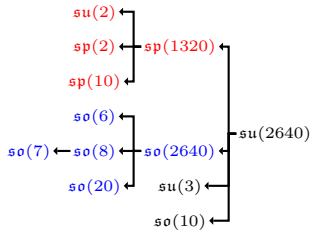
[[{(1, 1)}, {(2624, 1)}], [(1, 1)], [(2624)], [(29, 4), (4, 29)], [(3, 0, 1, 2), (2, 1, 0, 3)], [(4, 1, 1, 0), (0, 1, 1, 4)]]



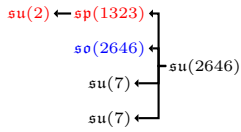
[[{(1, 1)}, {(2626, 1)}], [(1, 1)], [(2626)], [(1, 2)]]



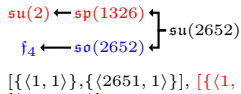
[[{(1, 1)}, {(2627, 1)}], [(1, 1)], [(2627)], [(1, 1)], [(2, 1)], [(1, 2)], [(71, 0), (0, 71)], [(1, 2), (71, 2)], [(2, 1), (71, 1)]]



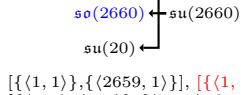
[[{(1, 1)}, {(2639, 1)}], [(1, 1)], [(2639)], [(17, 1)], [(1, 1), (2, 1)], [(1, 1)], [(4, 2, 2)], [(7, 0, 0, 0), (0, 0, 7, 0), (0, 0, 0, 7)], [(0, 0, 7), (1, 1), (2, 1)], [(21, 7), (7, 21)], [(3, 0, 0, 1, 0), (3, 0, 0, 0, 1)]]



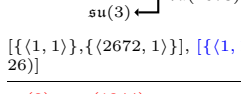
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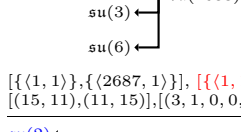
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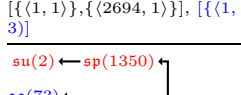
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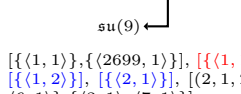
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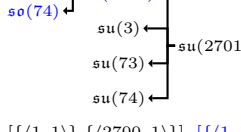
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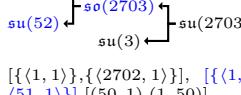
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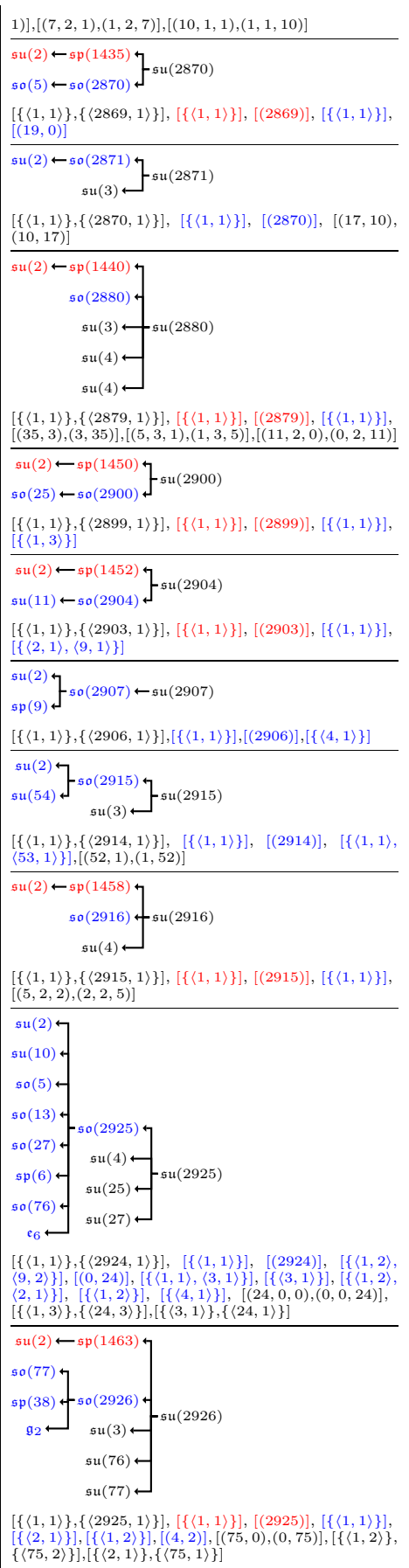
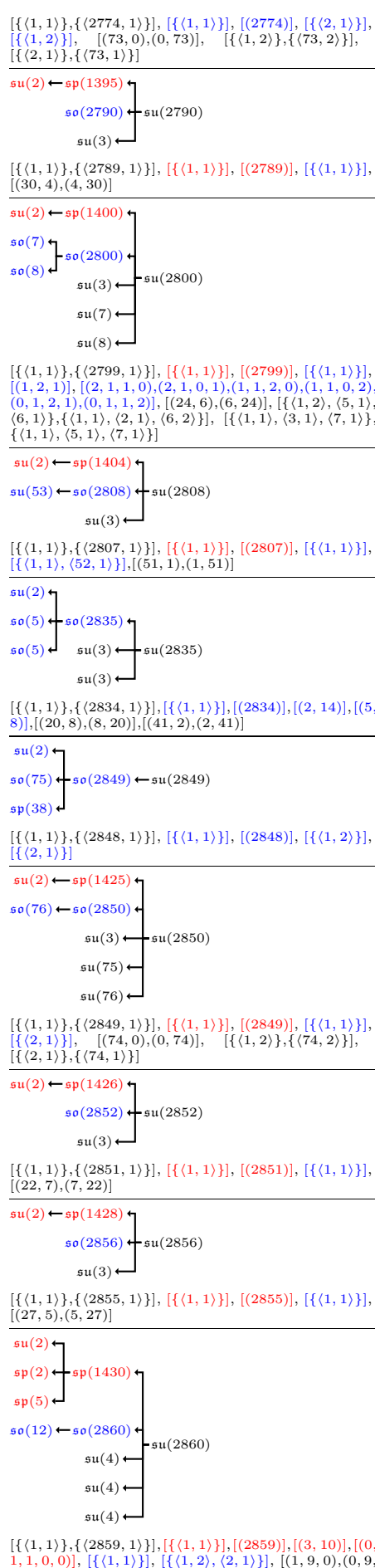
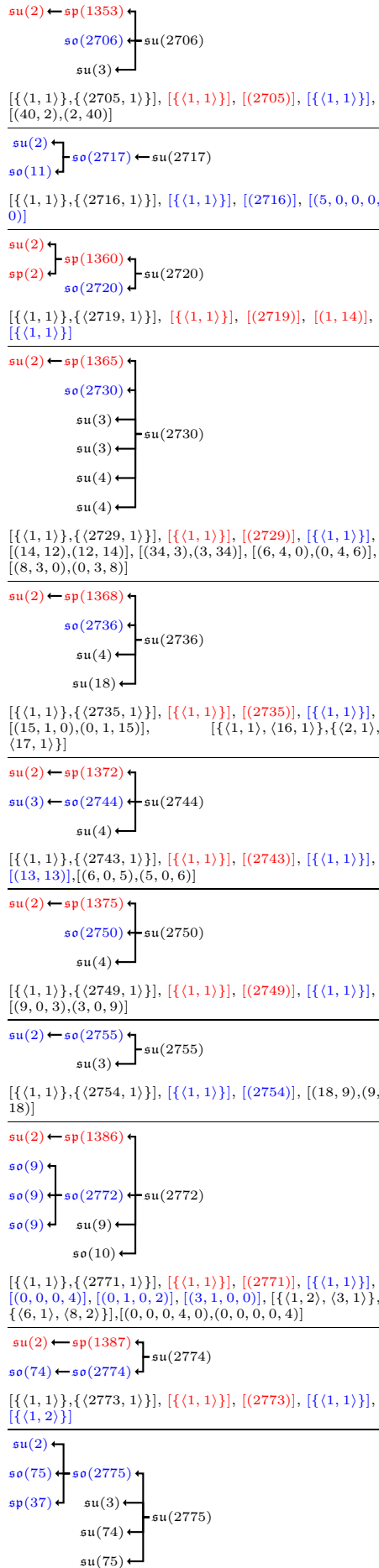
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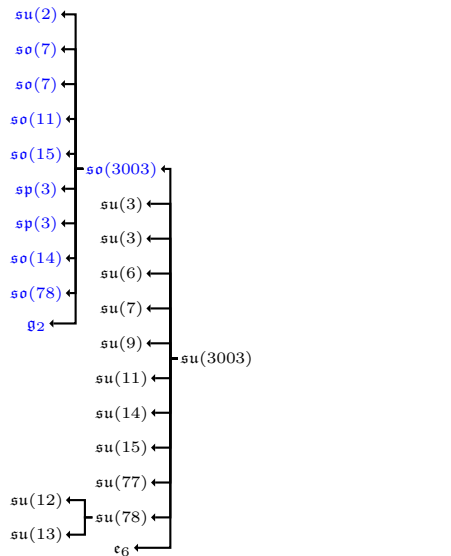
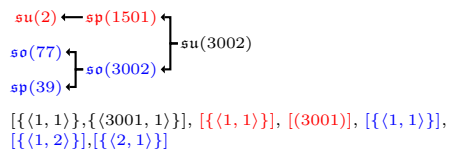
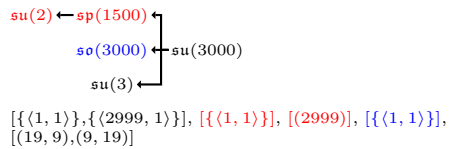
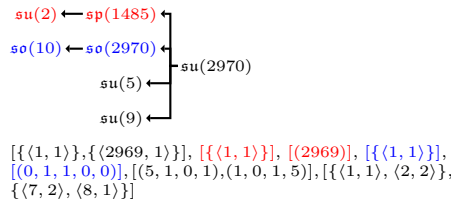
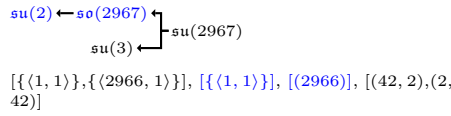
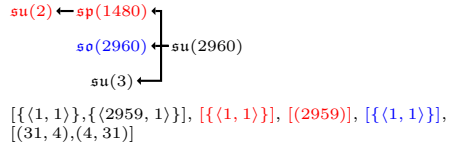
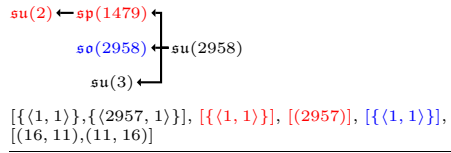
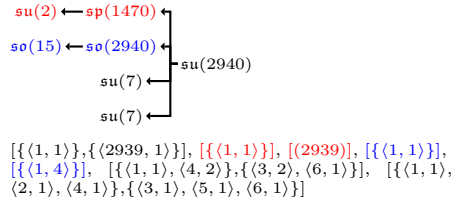


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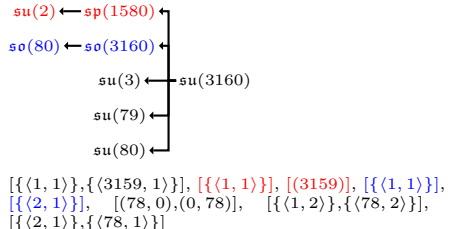
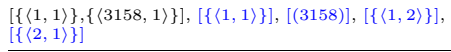
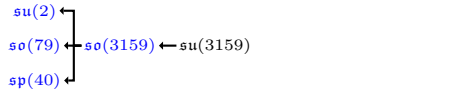
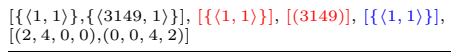
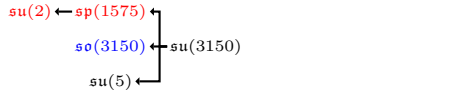
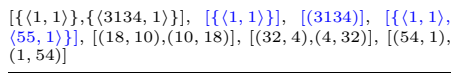
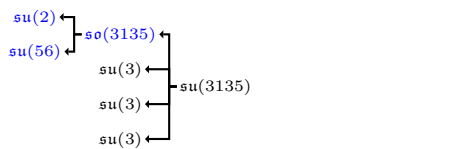
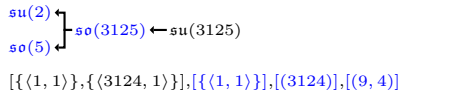
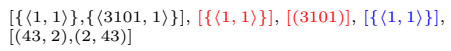
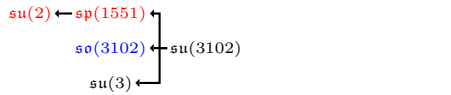
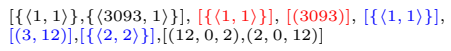
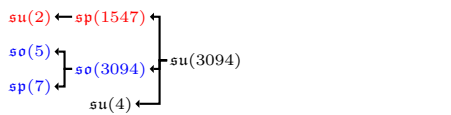
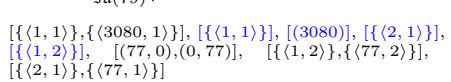
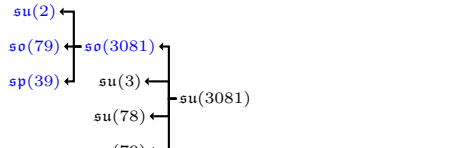
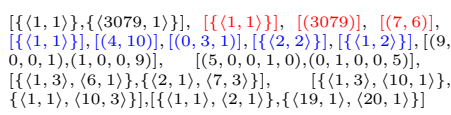
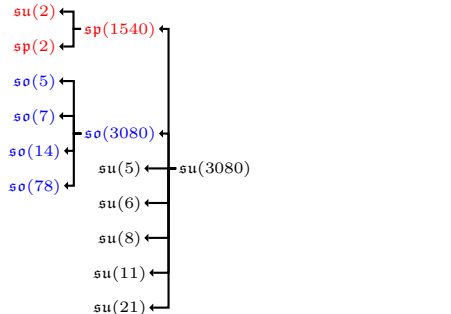
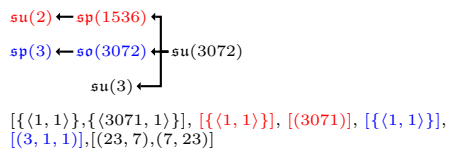
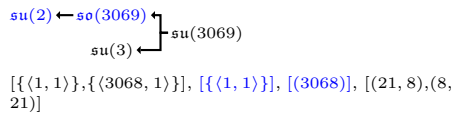
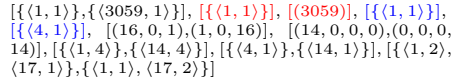
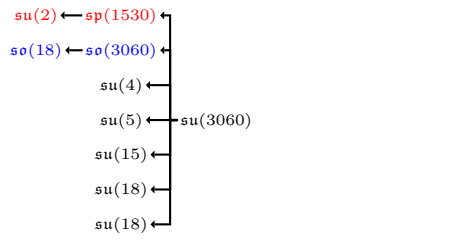
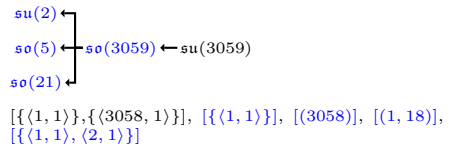
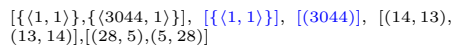
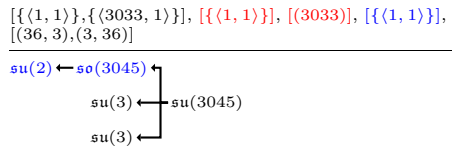
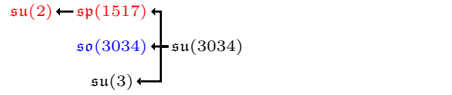
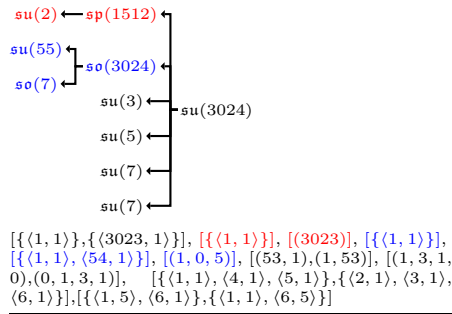
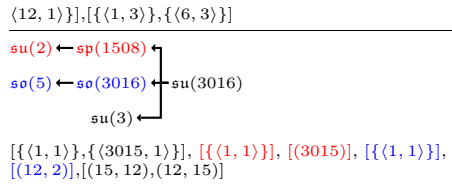


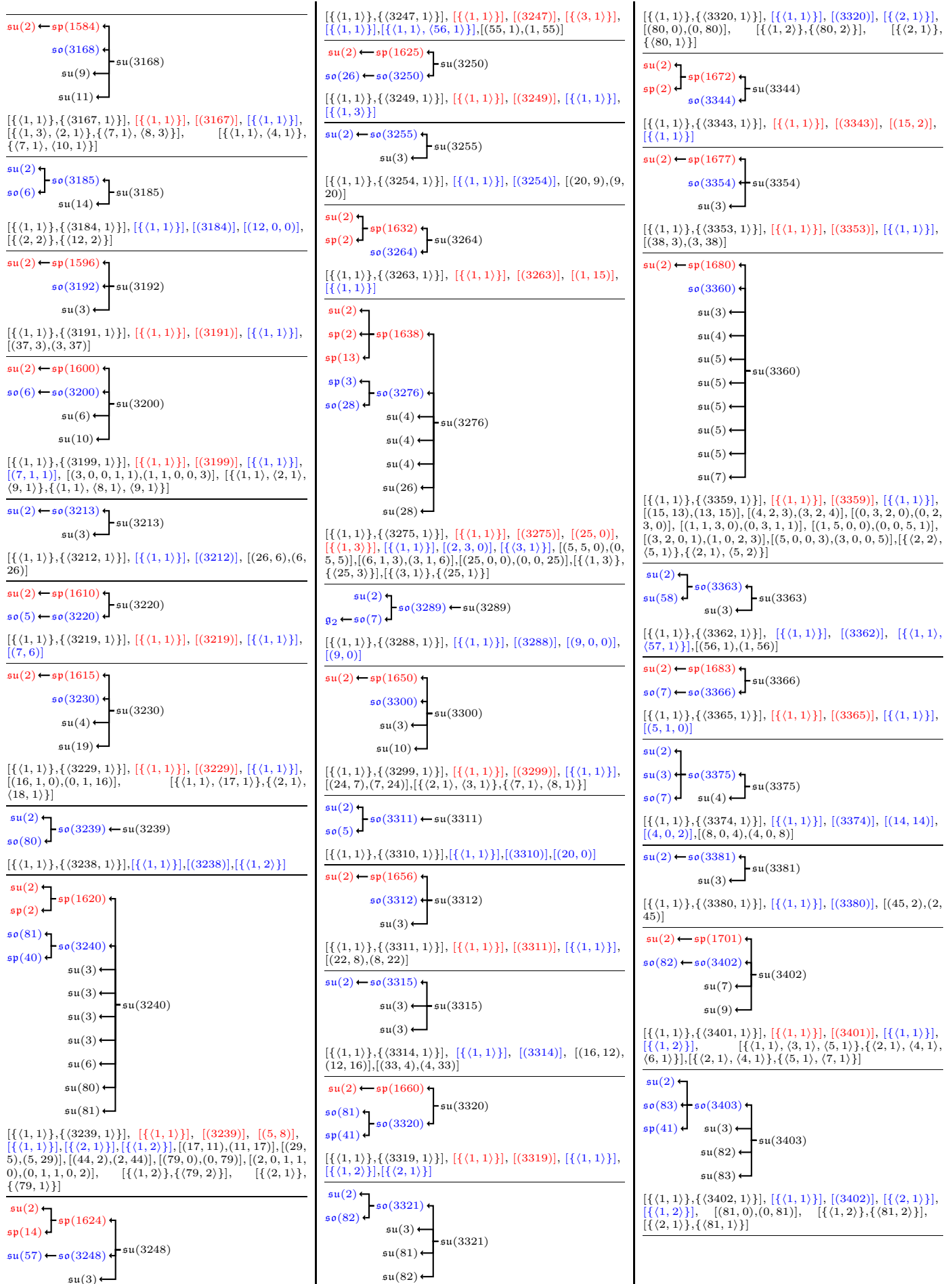
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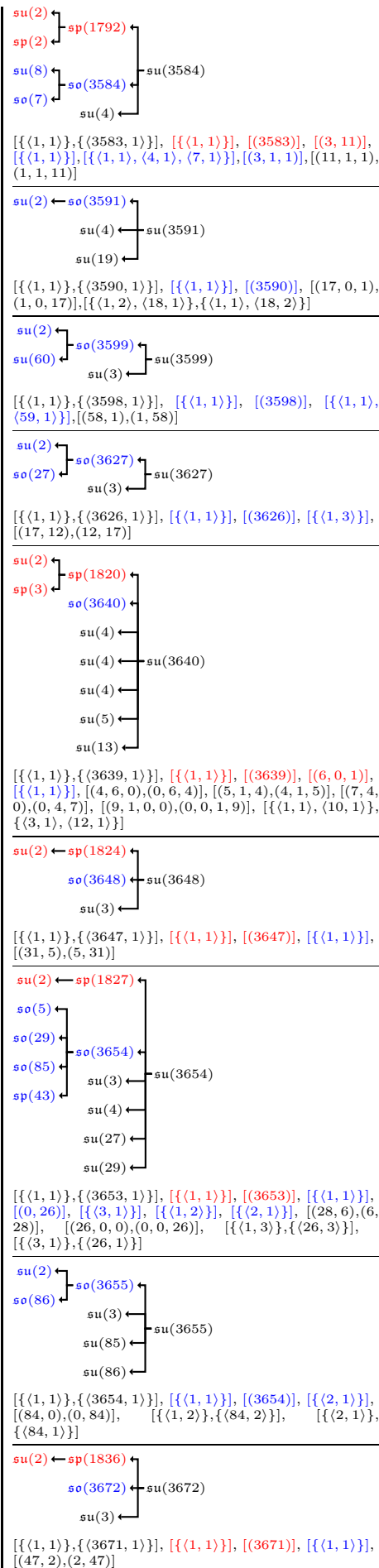
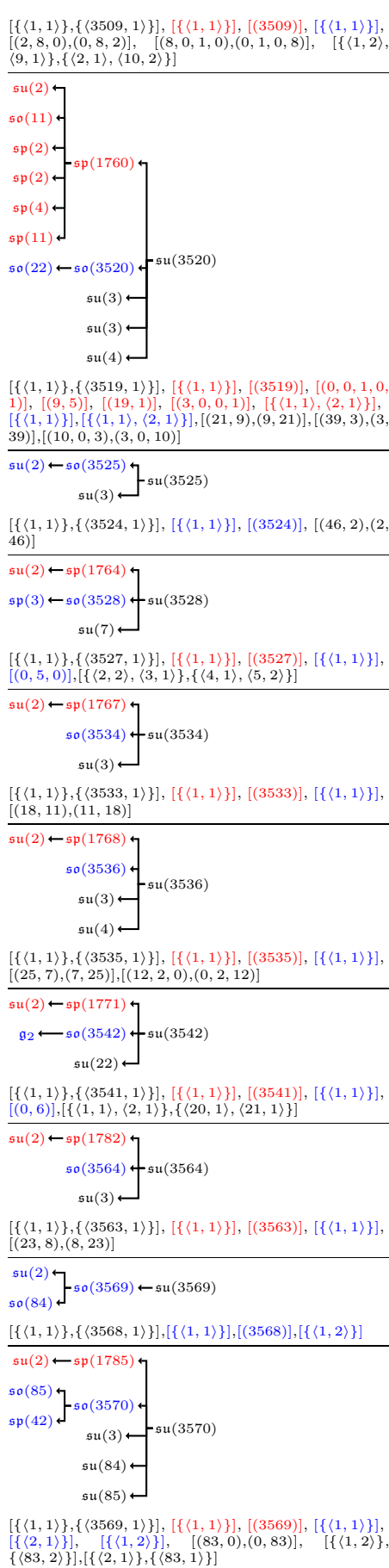
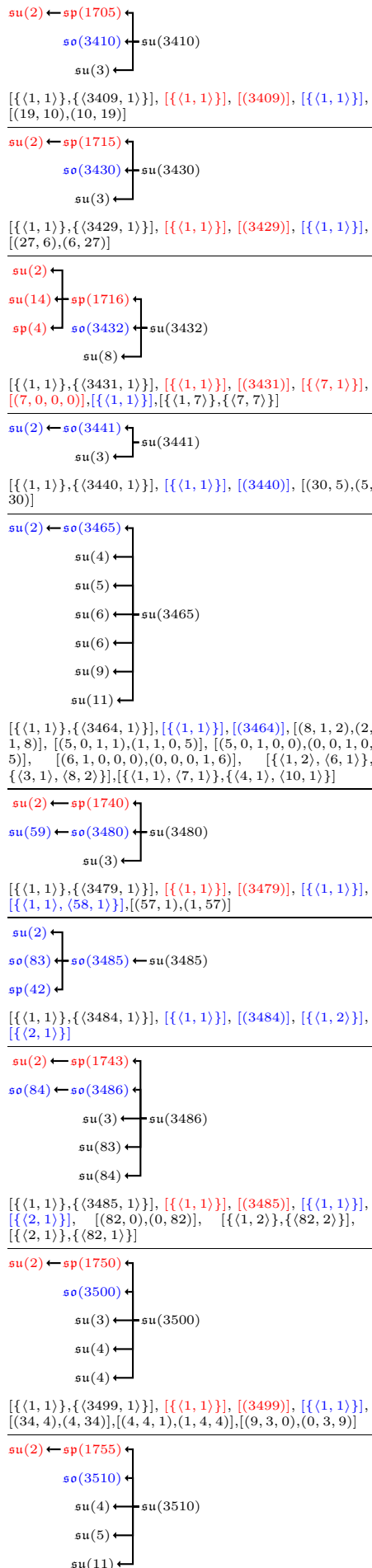


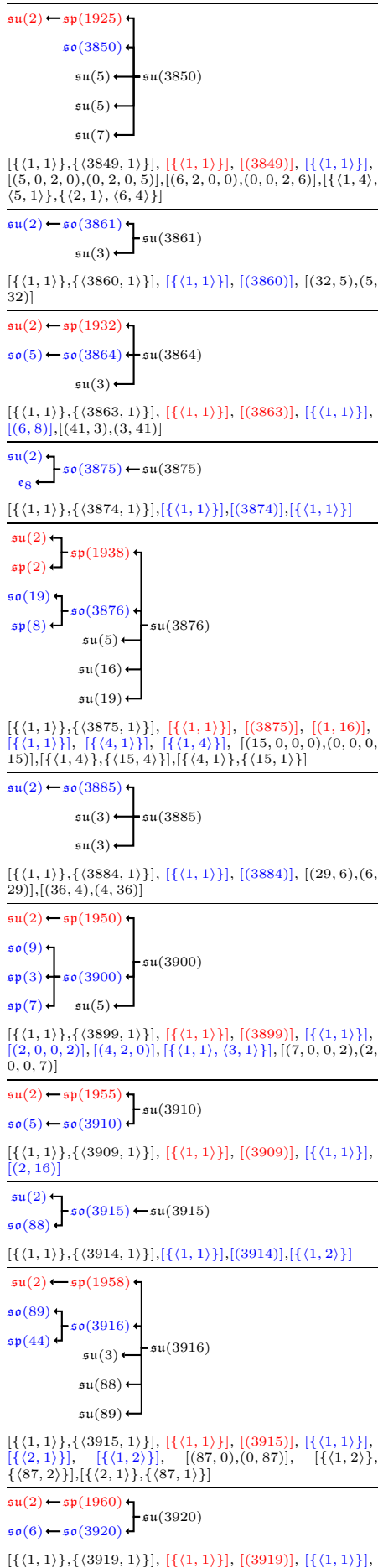
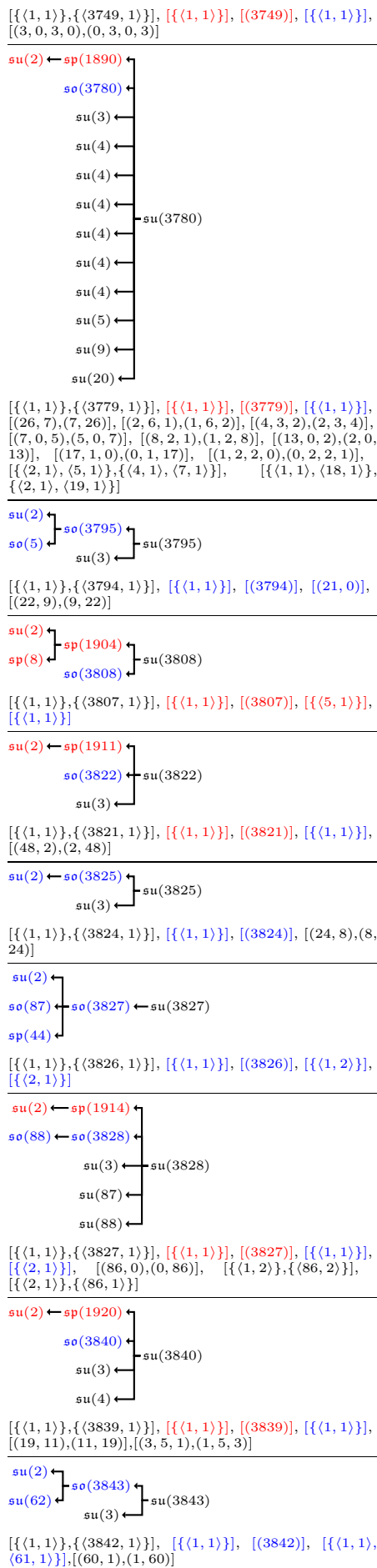
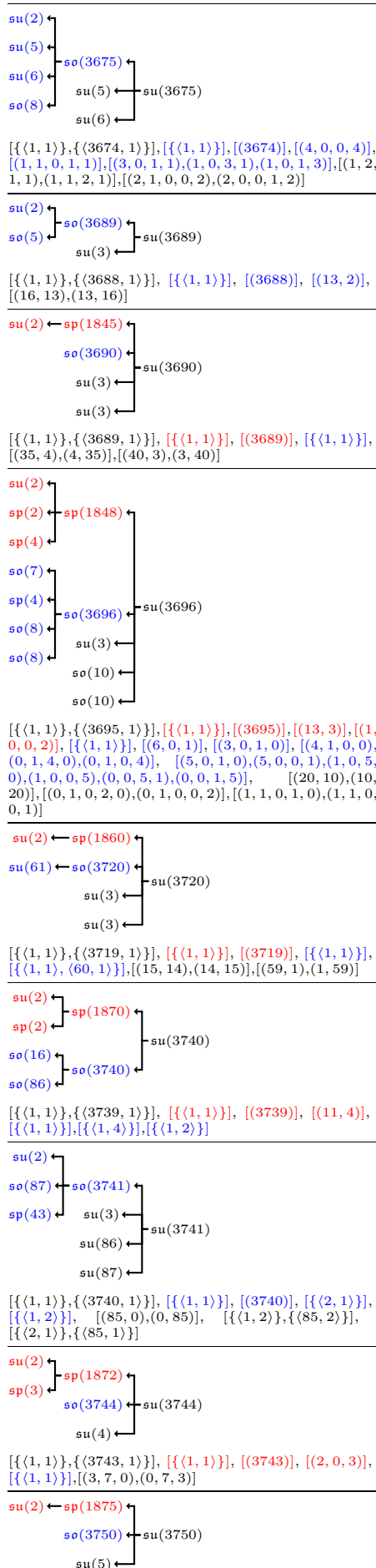


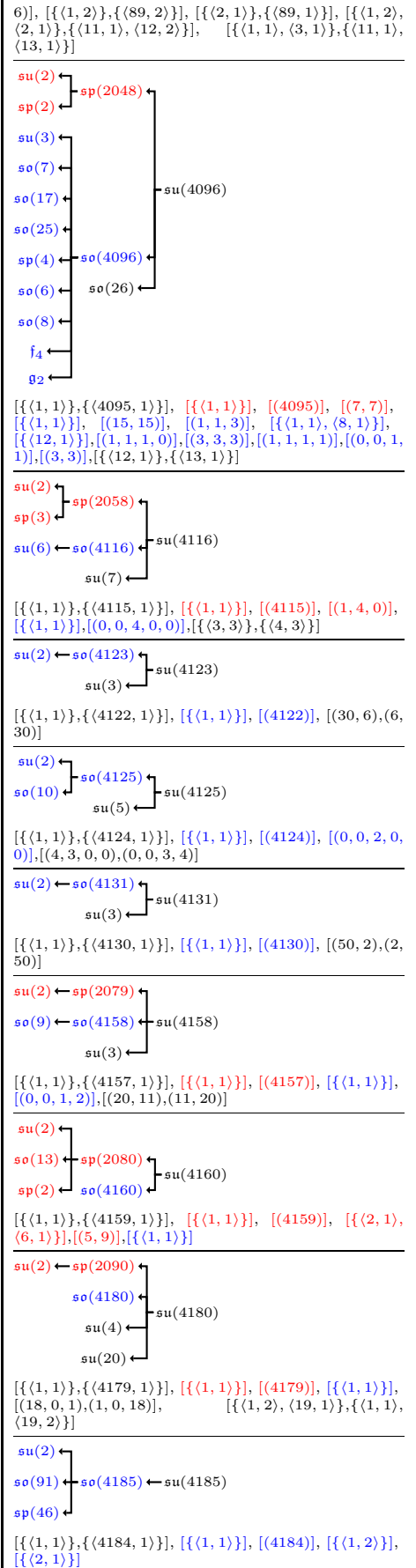
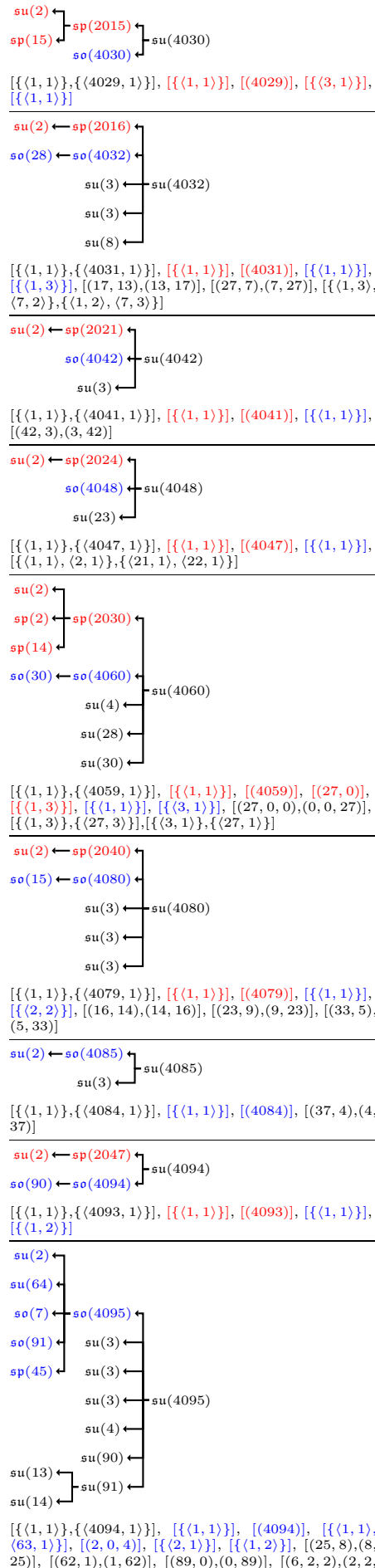
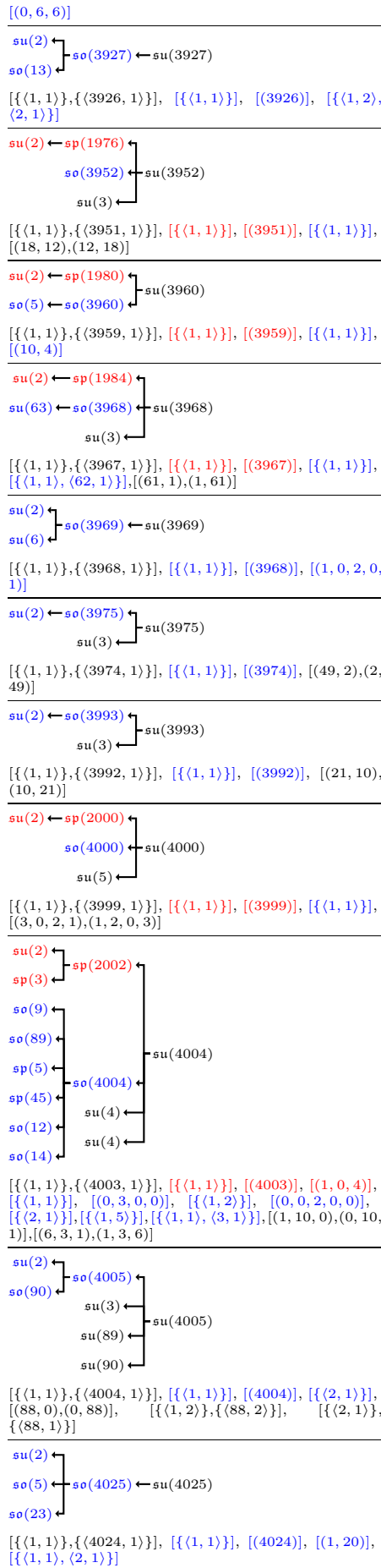
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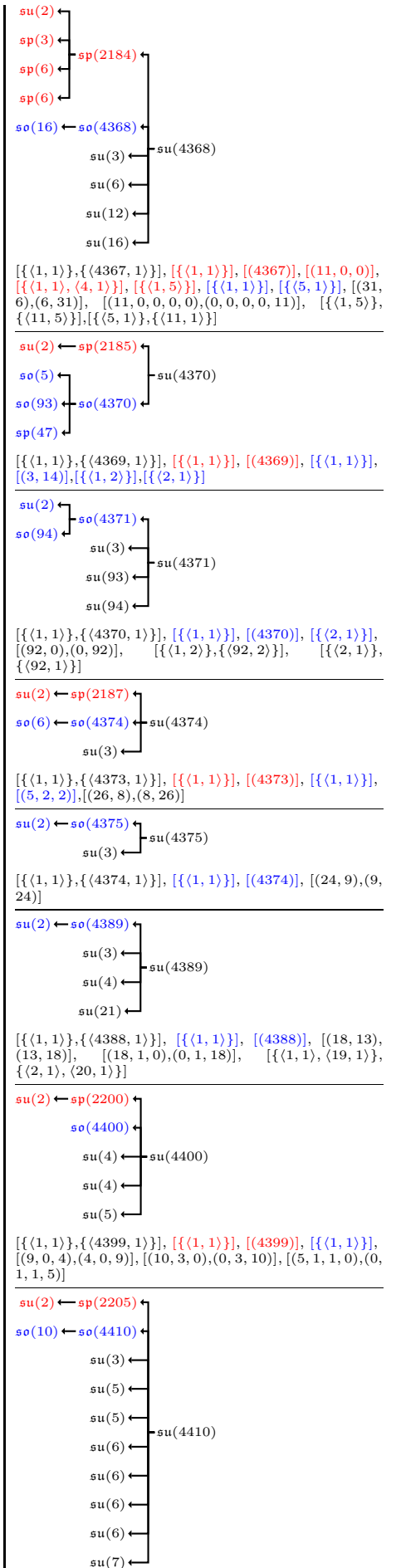
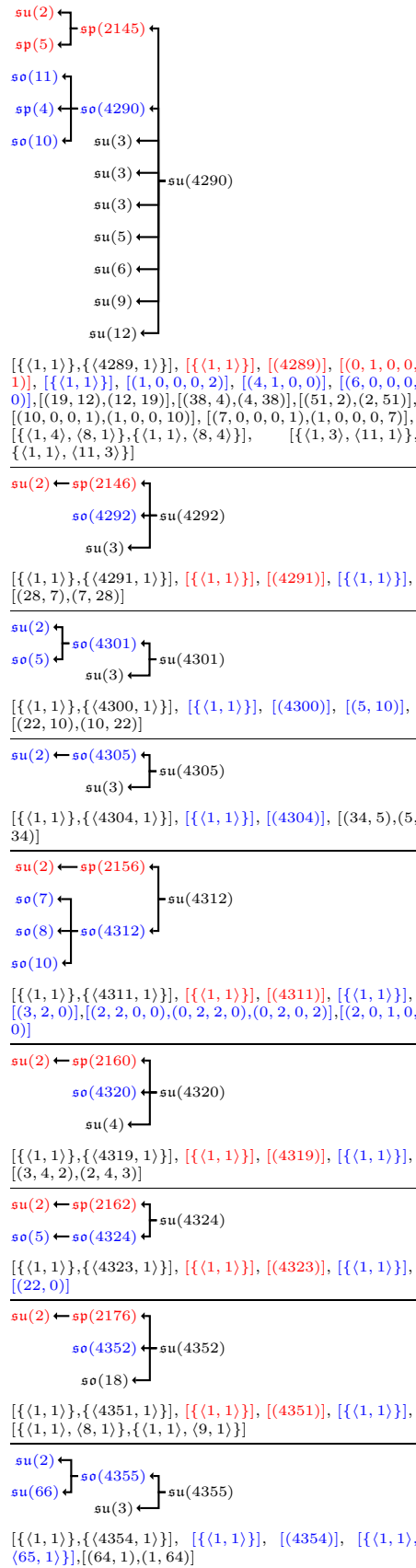
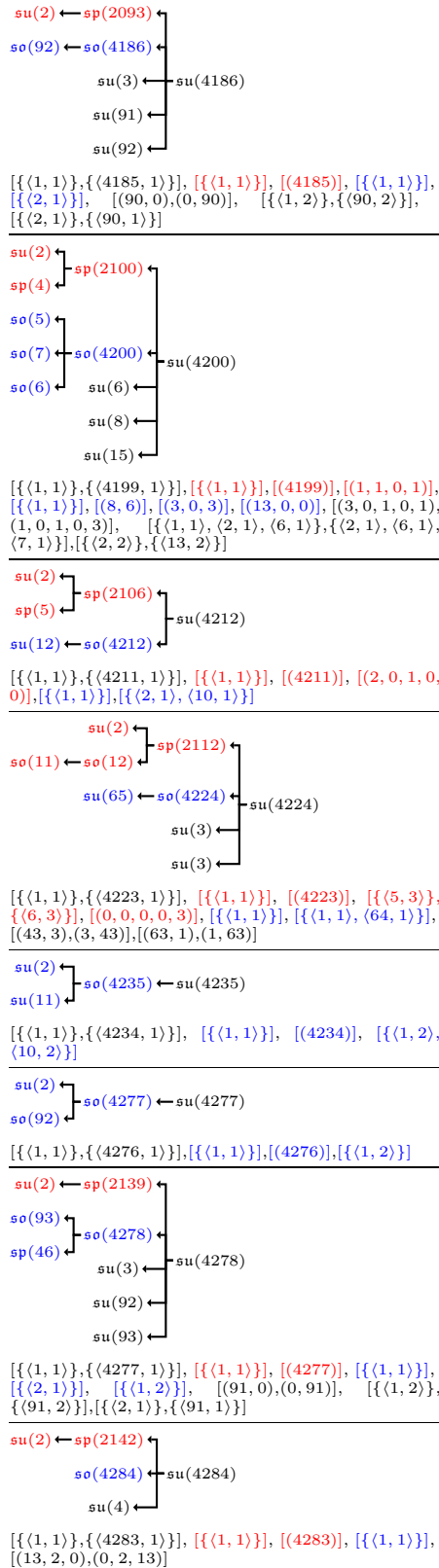




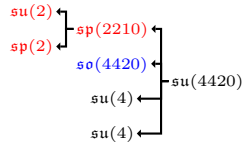




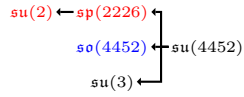




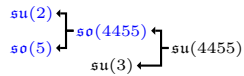
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 $\{ (2, 3, 0, 0, 0), (0, 0, 0, 3, 2) \}$, $\{ (1, 1), (3, 1), (4, 1) \}$,
 $\{ (3, 1), (4, 1), (6, 1) \}$



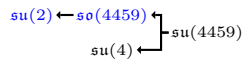
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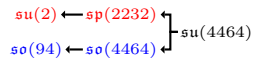
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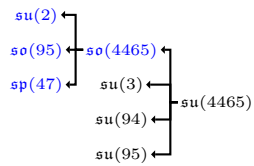
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 $\{ (17, 14), (14, 17) \}$



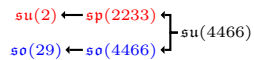
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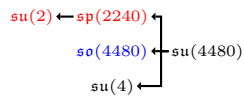
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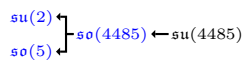
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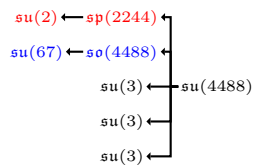
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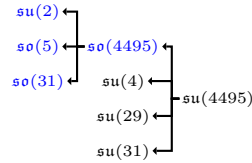
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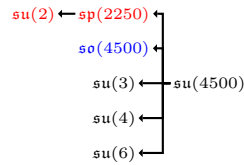
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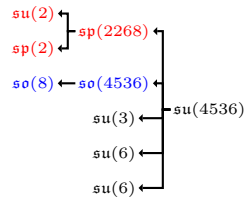
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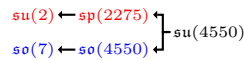
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 $\{ \{ (3, 1) \} \}$, $\{ (28, 0, 0), (0, 0, 28) \}$, $\{ \{ (1, 3) \}, \{ (28, 3) \} \}$,
 $\{ \{ (3, 1) \}, \{ (28, 1) \} \}$



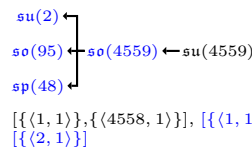
$\{ \{ (1, 1) \}, \{ (4499, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4499) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ (39, 4), (4, 39) \}$, $\{ (9, 1, 2), (2, 1, 9) \}$, $\{ (3, 0, 0, 2, 0), (0, 2, 0, 0, 3) \}$



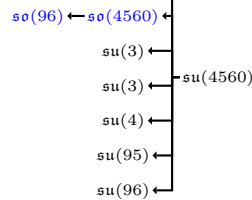
$\{ \{ (1, 1) \}, \{ (4535, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4535) \}$, $\{ (17, 2) \}$,
 $\{ \{ (1, 1) \} \}$, $\{ (2, 0, 2, 1), (2, 0, 1, 2), (1, 0, 2, 2) \}$, $\{ (35, 5), (5, 35) \}$,
 $\{ (1, 2, 0, 1, 0), (0, 1, 0, 2, 1) \}$, $\{ (5, 0, 0, 0, 2), (2, 0, 0, 0, 5) \}$



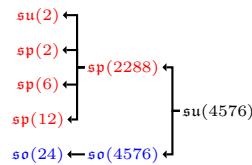
$\{ \{ (1, 1) \}, \{ (4549, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4549) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ (2, 1, 2) \}$



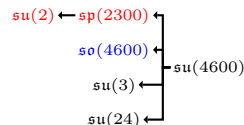
$\{ \{ (1, 1) \}, \{ (4558, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4558) \}$, $\{ \{ (1, 2) \} \}$,
 $\{ (2, 1) \}$



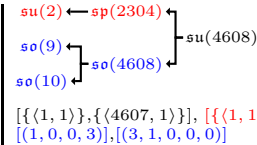
$\{ \{ (1, 1) \}, \{ (4559, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4559) \}$, $\{ (1, 17) \}$,
 $\{ \{ (1, 1) \} \}$, $\{ (2, 1) \}$, $\{ (29, 7), (7, 29) \}$, $\{ (94, 0), (0, 94) \}$,
 $\{ (14, 0, 2), (2, 0, 14) \}$, $\{ \{ (1, 2) \}, \{ (94, 2) \} \}$, $\{ \{ (2, 1) \}, \{ (94, 1) \} \}$



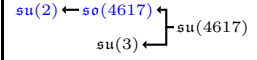
$\{ \{ (1, 1) \}, \{ (4575, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4575) \}$, $\{ (21, 1) \}$,
 $\{ \{ (1, 1) \}, (6, 1) \}$, $\{ \{ (1, 1) \}, (2, 1) \}$, $\{ \{ (1, 1) \} \}$, $\{ (1, 1), (2, 1) \}$



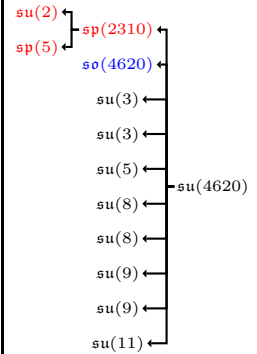
$\{ \{ (1, 1) \}, \{ (4599, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4599) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ (45, 3), (3, 45) \}$, $\{ \{ (1, 1) \}, (2, 1) \}$, $\{ (22, 1), (23, 1) \}$



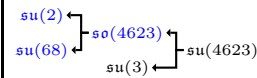
$\{ \{ (1, 1) \}, \{ (4607, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4607) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ (1, 0, 0, 3) \}$, $\{ (3, 1, 0, 0, 0) \}$



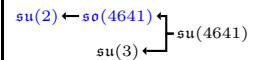
$\{ \{ (1, 1) \}, \{ (4616, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4616) \}$, $\{ (53, 2), (2, 53) \}$



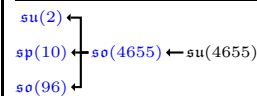
$\{ \{ (1, 1) \}, \{ (4619, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4619) \}$, $\{ (1, 2, 0, 0, 0) \}$,
 $\{ \{ (1, 1) \} \}$, $\{ (23, 10), (10, 23) \}$, $\{ (32, 6), (6, 32) \}$, $\{ (4, 1, 0, 2), (2, 0, 1, 4) \}$,
 $\{ \{ (1, 3) \}, (3, 1) \}$, $\{ (5, 1), (7, 3) \}$, $\{ (1, 4), (2, 1) \}$, $\{ (6, 1), (7, 4) \}$, $\{ \{ (1, 1) \}, (7, 2) \}$,
 $\{ (2, 2), (8, 1) \}$, $\{ (1, 2), (4, 1) \}$, $\{ (5, 1), (8, 2) \}$, $\{ \{ (1, 1) \}, (5, 1) \}$, $\{ (6, 1), (10, 1) \}$



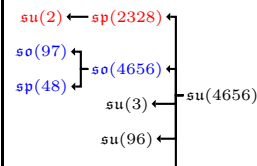
$\{ \{ (1, 1) \}, \{ (4622, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4622) \}$, $\{ \{ (1, 1) \}, (67, 1) \}$,
 $\{ (66, 1), (1, 66) \}$



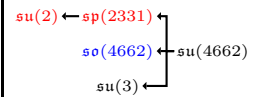
$\{ \{ (1, 1) \}, \{ (4640, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4640) \}$, $\{ (20, 12), (12, 20) \}$



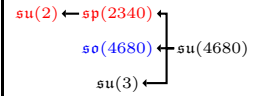
$\{ \{ (1, 1) \}, \{ (4654, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4654) \}$, $\{ (4, 1) \}$,
 $\{ \{ (1, 2) \} \}$



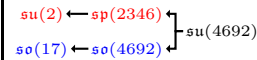
$\{ \{ (1, 1) \}, \{ (4655, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4655) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ (2, 1) \}$, $\{ \{ (1, 2) \} \}$, $\{ (95, 0), (0, 95) \}$, $\{ \{ (1, 2) \}, \{ (95, 2) \} \}$, $\{ \{ (2, 1) \}, \{ (95, 1) \} \}$



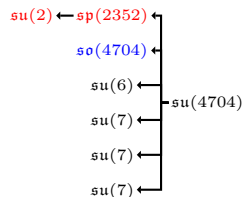
$\{ \{ (1, 1) \}, \{ (4661, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4661) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ (27, 8), (8, 27) \}$



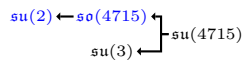
$\{ \{ (1, 1) \}, \{ (4679, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4679) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ (25, 9), (9, 25) \}$



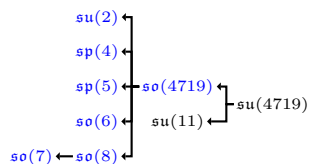
$\{ \{ (1, 1) \}, \{ (4691, 1) \} \}$, $\{ \{ (1, 1) \} \}$, $\{ (4691) \}$, $\{ \{ (1, 1) \} \}$,
 $\{ \{ (1, 1) \} \}$, $\{ (4, 1) \}$



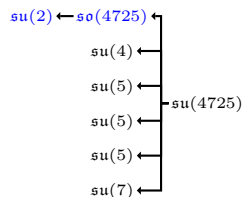
$[\{(1, 1)\}, \{(4703, 1)\}], [\{(1, 1)\}], [(4703)], [\{(1, 1)\}],$
 $[(0, 3, 1, 0, 0), (0, 0, 1, 3, 0)], [\{(2, 2), (4, 1)\}, \{(3, 1),$
 $(5, 2)\}], [\{(1, 1), (2, 3)\}, \{(5, 3), (6, 1)\}], [\{(1, 2),$
 $(3, 1), (6, 1)\}, \{(1, 1), (4, 1), (6, 2)\}]$



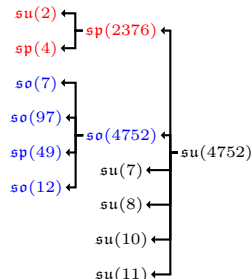
$[\{(1, 1)\}, \{(4714, 1)\}], [\{(1, 1)\}], [(4714)], [(40, 4), (4,$
 $40)]$



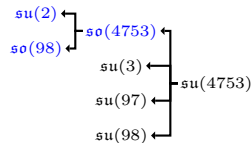
$[\{(1, 1)\}, \{(4718, 1)\}], [\{(1, 1)\}], [(4718)], [(0, 0, 0, 3)],$
 $[(0, 0, 0, 0, 2)], [(8, 1, 1)], [(8, 0, 0, 0), (0, 0, 8, 0), (0, 0, 0,$
 $8)], [(0, 0, 8)], [\{(1, 1), (2, 1), (10, 1)\}, \{(1, 1), (9, 1),$
 $(10, 1)\}]$



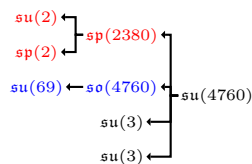
$[\{(1, 1)\}, \{(4724, 1)\}], [\{(1, 1)\}], [(4724)], [(8, 4, 0), (0,$
 $4, 8)], [(2, 0, 4, 0), (0, 4, 0, 2)], [(3, 2, 1, 0), (0, 1, 2, 3)],$
 $[(6, 1, 0, 1), (1, 0, 1, 6)], [\{(1, 2), (5, 2)\}, \{(2, 2),$
 $(6, 2)\}]$



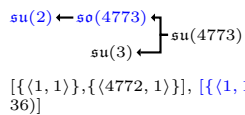
$[\{(1, 1)\}, \{(4751, 1)\}], [\{(1, 1)\}], [(4751)], [(1, 0, 2, 0)],$
 $[\{(1, 1)\}], [(0, 1, 5)], [\{(1, 2)\}], [\{(2, 1)\}], [\{(1, 1),$
 $(5, 2)\}, \{(1, 1), (6, 2)\}], [\{(1, 5), (2, 1)\}, \{(5, 1),$
 $(6, 5)\}], [\{(1, 2), (2, 1), (7, 1)\}, \{(1, 1), (6, 1), (7, 2)\}],$
 $[\{(1, 2), (3, 1)\}, \{(7, 1), (9, 2)\}], [\{(1, 1), (6, 1)\},$
 $\{(5, 1), (10, 1)\}]$



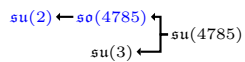
$[\{(1, 1)\}, \{(4752, 1)\}], [\{(1, 1)\}], [(4752)], [\{(2, 1)\}],$
 $[(96, 0), (0, 96)], [\{(1, 2)\}, \{(96, 2)\}], [\{(2, 1)\},$
 $\{(96, 1)\}]$



$[\{(1, 1)\}, \{(4759, 1)\}], [\{(1, 1)\}], [(4759)], [(9, 6)],$
 $[\{(1, 1)\}], [\{(1, 1), (68, 1)\}], [(19, 13), (13, 19)], [(67,$
 $1), (1, 67)]$



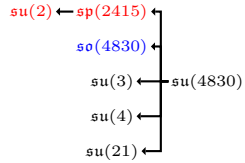
$[\{(1, 1)\}, \{(4772, 1)\}], [\{(1, 1)\}], [(4772)], [(36, 5), (5,$
 $36)]$



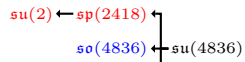
$[\{(1, 1)\}, \{(4784, 1)\}], [\{(1, 1)\}], [(4784)], [(54, 2), (2,$
 $54)]$



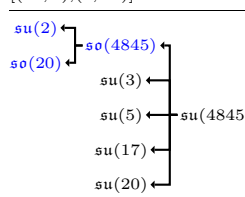
$[\{(1, 1)\}, \{(4793, 1)\}], [\{(1, 1)\}], [(4793)], [\{(1, 1)\}],$
 $[(46, 3), (3, 46)]$



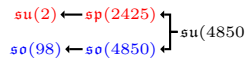
$[\{(1, 1)\}, \{(4829, 1)\}], [\{(1, 1)\}], [(4829)], [\{(1, 1)\}],$
 $[(22, 11), (11, 22)], [(19, 0, 1), (1, 0, 19)], [\{(1, 2),$
 $(20, 1)\}, \{(1, 1), (20, 2)\}]$



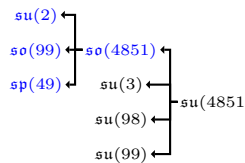
$[\{(1, 1)\}, \{(4835, 1)\}], [\{(1, 1)\}], [(4835)], [\{(1, 1)\}],$
 $[(30, 7), (7, 30)]$



$[\{(1, 1)\}, \{(4844, 1)\}], [\{(1, 1)\}], [(4844)], [\{(4, 1)\}],$
 $[(18, 14), (14, 18)], [(16, 0, 0, 0), (0, 0, 0, 16)], [\{(1, 4),$
 $(16, 4)\}, \{(4, 1)\}, \{(16, 1)\}]$



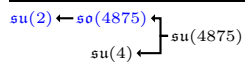
$[\{(1, 1)\}, \{(4849, 1)\}], [\{(1, 1)\}], [(4849)], [\{(1, 1)\}],$
 $[\{(1, 2)\}]$



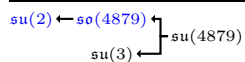
$[\{(1, 1)\}, \{(4850, 1)\}], [\{(1, 1)\}], [(4850)], [\{(2, 1)\}],$
 $[\{(1, 2)\}], [(97, 0), (0, 97)], [\{(1, 2)\}, \{(97, 2)\}],$
 $[\{(2, 1)\}, \{(97, 1)\}]$



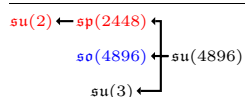
$[\{(1, 1)\}, \{(4861, 1)\}], [\{(1, 1)\}], [(4861)], [\{(1, 1)\}],$
 $[\{(8, 1)\}]$



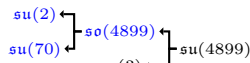
$[\{(1, 1)\}, \{(4874, 1)\}], [\{(1, 1)\}], [(4874)], [(9, 2, 1), (1,$
 $2, 9)]$



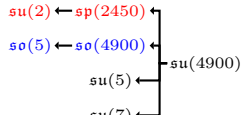
$[\{(1, 1)\}, \{(4878, 1)\}], [\{(1, 1)\}], [(4878)], [(33, 6), (6,$
 $33)]$



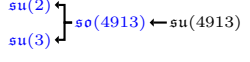
$[\{(1, 1)\}, \{(4895, 1)\}], [\{(1, 1)\}], [(4895)], [\{(1, 1)\}],$
 $[(17, 15), (15, 17)]$



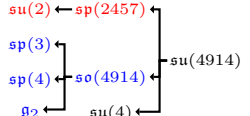
$[\{(1, 1)\}, \{(4898, 1)\}], [\{(1, 1)\}], [(4898)], [\{(1, 1),$
 $(69, 1)\}], [(68, 1), (1, 68)]$



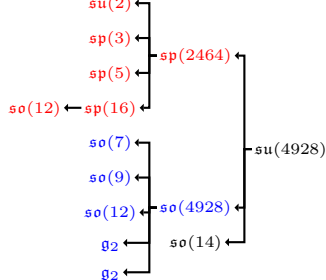
$[\{(1, 1)\}, \{(4899, 1)\}], [\{(1, 1)\}], [(4899)], [\{(1, 1)\}],$
 $[(23, 0)], [(2, 3, 0, 1), (1, 0, 3, 2)], [\{(1, 2), (4, 1),$
 $(6, 1)\}, \{(1, 1), (3, 1), (6, 2)\}]$



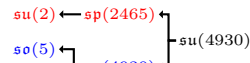
$[\{(1, 1)\}, \{(4912, 1)\}], [\{(1, 1)\}], [(4912)], [(16, 16)]$



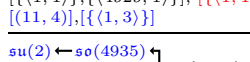
$[\{(1, 1)\}, \{(4913, 1)\}], [\{(1, 1)\}], [(4913)], [\{(1, 1)\}],$
 $[(4, 0, 2)], [(2, 2, 0, 0)], [(2, 4)], [(5, 2, 3), (3, 2, 5)]$



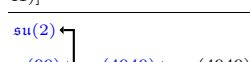
$[\{(1, 1)\}, \{(4927, 1)\}], [\{(1, 1)\}], [(4927)], [(7, 1, 0)],$
 $[(3, 1, 0, 0, 0)], [\{(3, 1)\}], [\{(3, 1), (5, 1)\}, \{(3, 1),$
 $(6, 1)\}], [\{(1, 1)\}], [(0, 2, 3)], [(0, 2, 0, 1)], [\{(1, 1),$
 $(4, 1)\}], [(1, 5)], [(7, 1)], [\{(2, 1), (6, 1)\}, \{(2, 1),$
 $(7, 1)\}]$



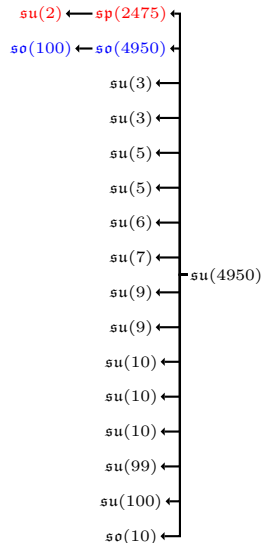
$[\{(1, 1)\}, \{(4929, 1)\}], [\{(1, 1)\}], [(4929)], [\{(1, 1)\}],$
 $[\{(1, 4)\}, \{(1, 3)\}]$



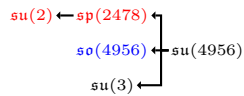
$[\{(1, 1)\}, \{(4934, 1)\}], [\{(1, 1)\}], [(4934)], [(41, 4), (4,$
 $41)]$



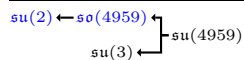
$[\{(1, 1)\}, \{(4948, 1)\}], [\{(1, 1)\}], [(4948)], [\{(1, 2)\}],$
 $[\{(2, 1)\}]$



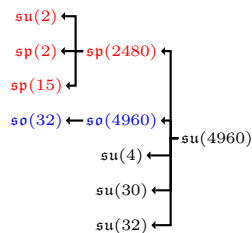
[[{1, 1}], {4949, 1}], [{1, 1}], [(4949)], [{1, 1}], [{2, 1}], [(24, 10), (10, 24)], [(98, 0), (0, 98)], [(0, 7, 0), (0, 0, 7, 0)], [(4, 0, 1, 2), (2, 1, 0, 4)], [(4, 2, 0, 0, 0), (0, 0, 0, 2, 4)], [{(1, 4), (3, 1)}, {(4, 1), (6, 4)}], [{(2, 3)}, {(7, 3)}], [{(1, 2), (5, 1)}, {(4, 1), (8, 2)}], [{(3, 2)}, {(7, 2)}], [{(2, 1), (7, 1)}, {(3, 1), (8, 1)}], [{(1, 1), (2, 2)}, {(8, 2), (9, 1)}], [{(1, 2)}, {(98, 2)}], [{(2, 1)}, {(98, 1)}], [(2, 0, 0, 2, 0), (2, 0, 0, 0, 2)]



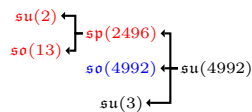
[[{1, 1}], {4955, 1}], [{1, 1}], [(4955)], [{1, 1}], [(55, 2), (2, 55)]



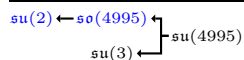
[[{1, 1}], {4958, 1}], [{1, 1}], [(4958)], [(28, 8), (8, 28)]



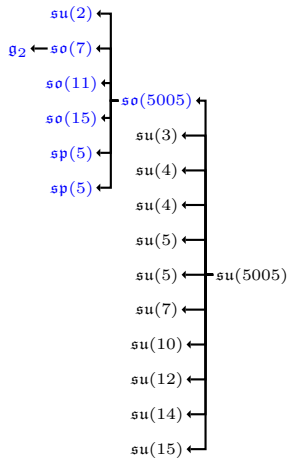
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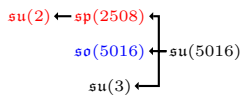
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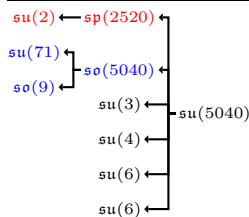
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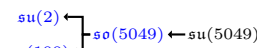
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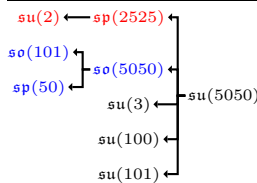
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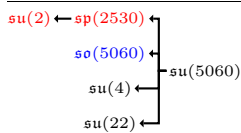
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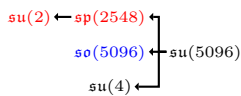
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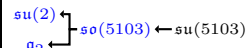
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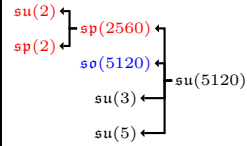
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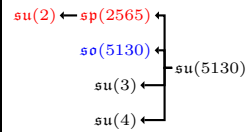
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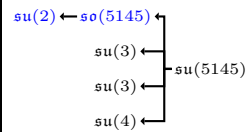
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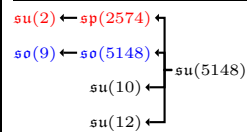
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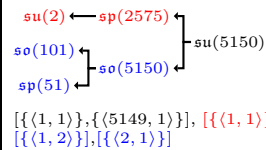
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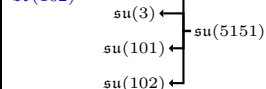
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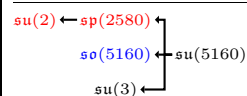
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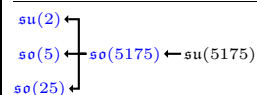
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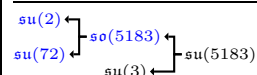
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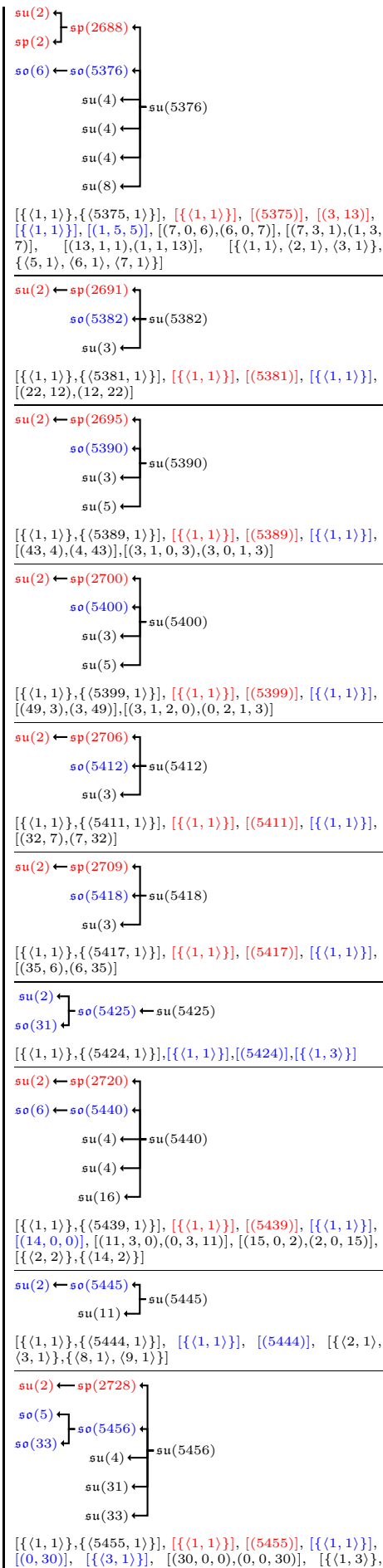
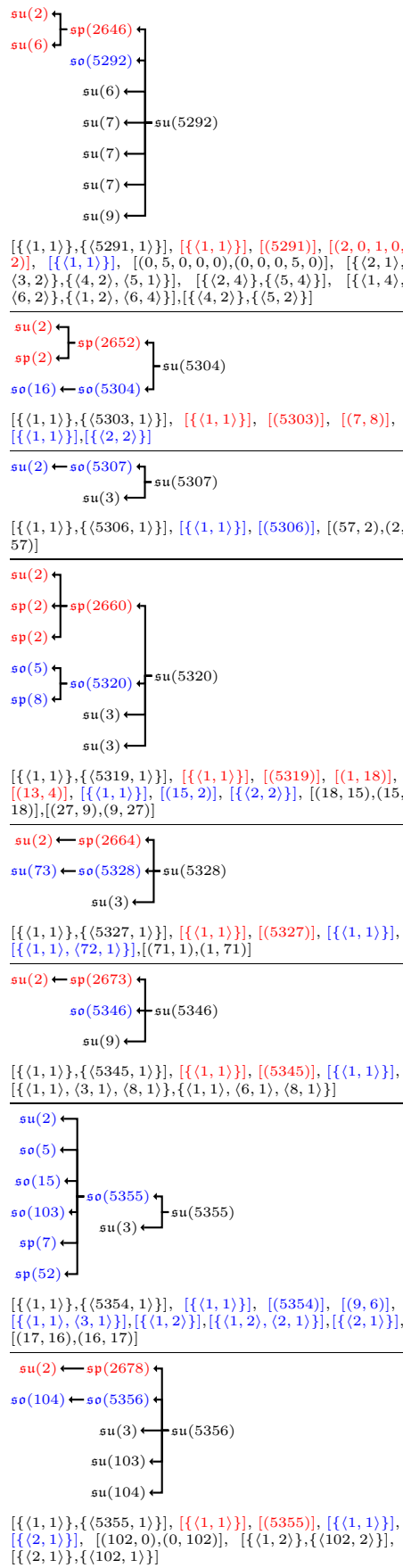
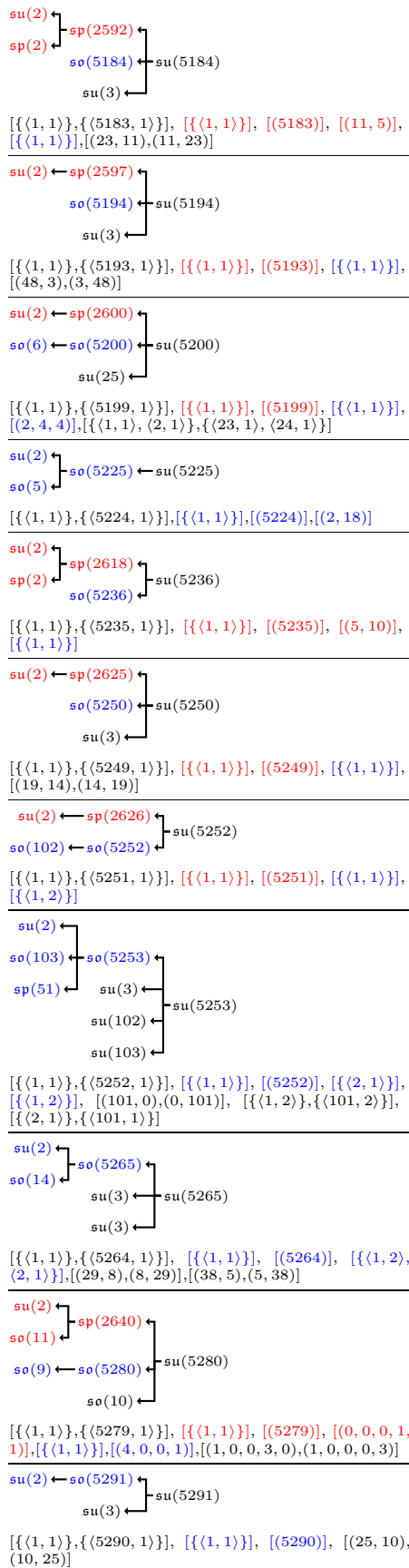
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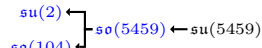
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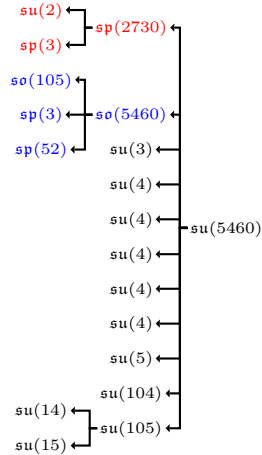
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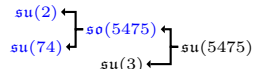
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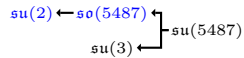
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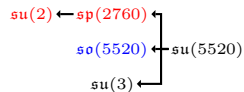
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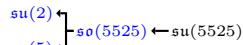
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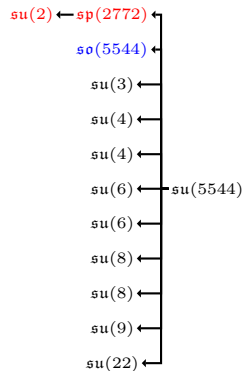
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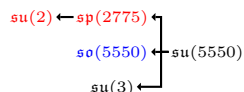
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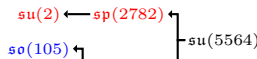
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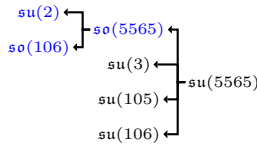
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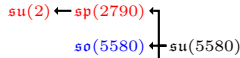
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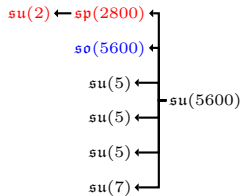
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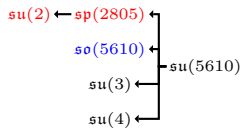
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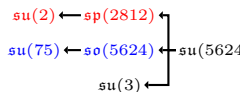
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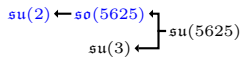
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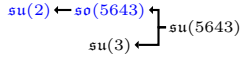
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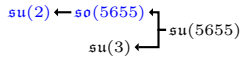
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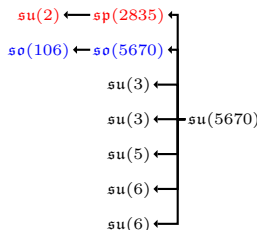
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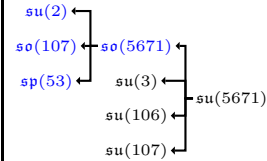


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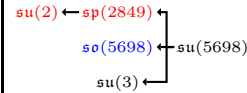


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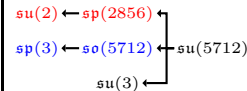
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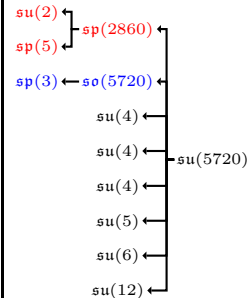
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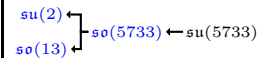
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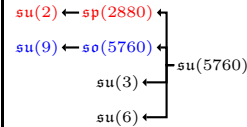
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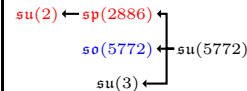
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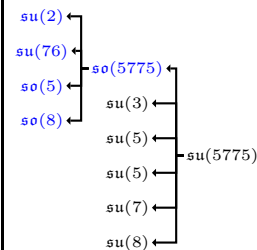
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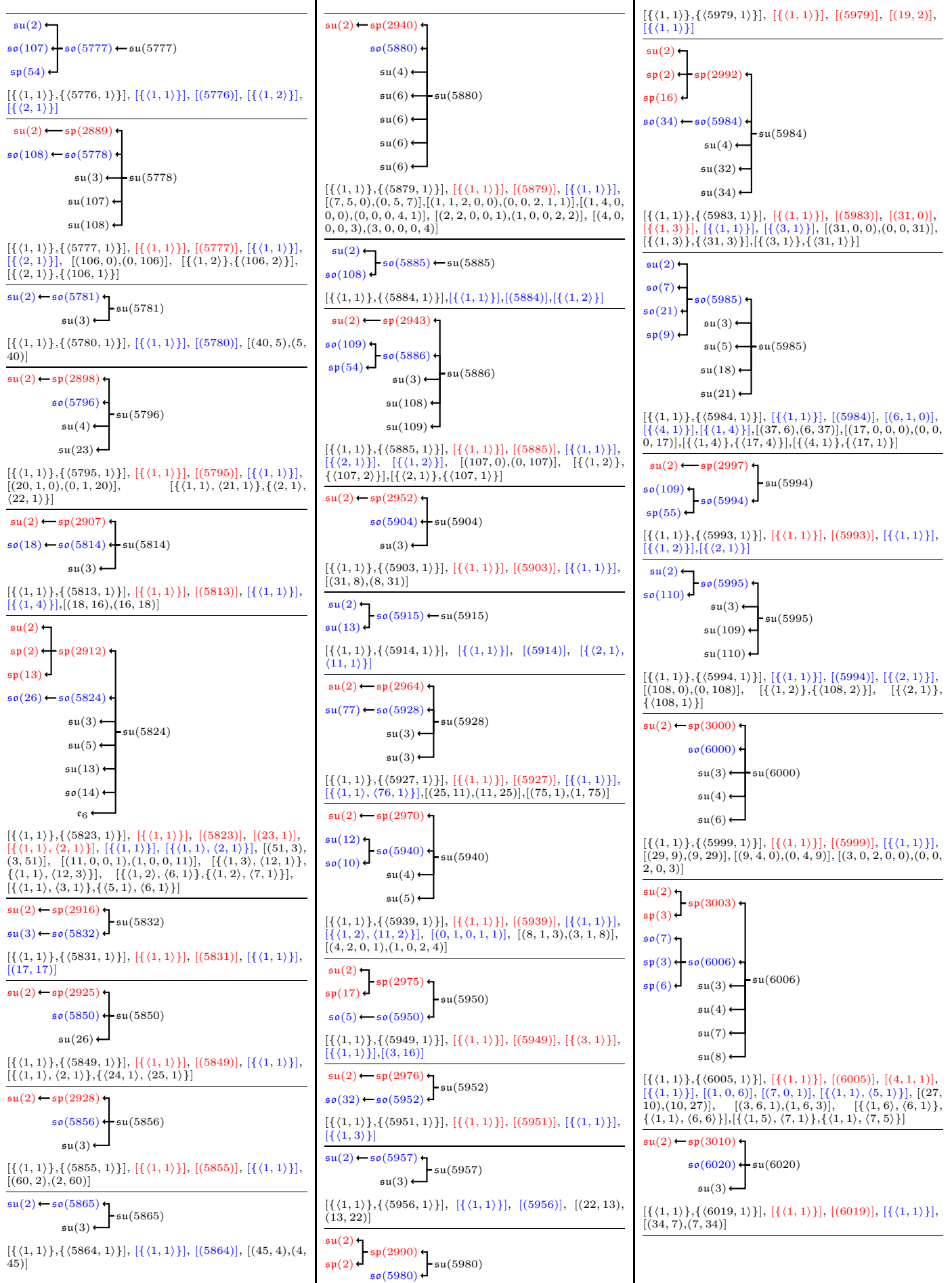
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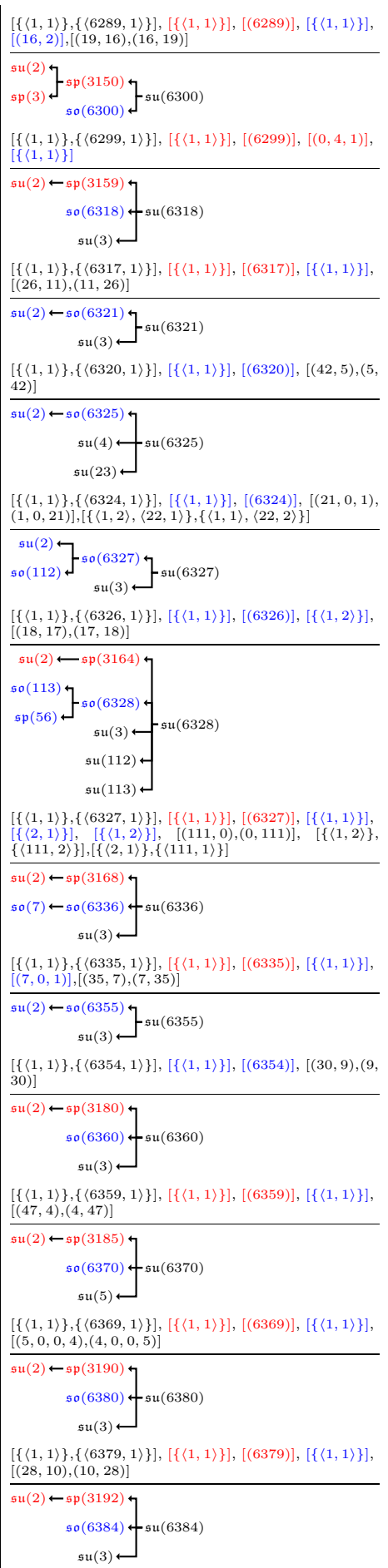
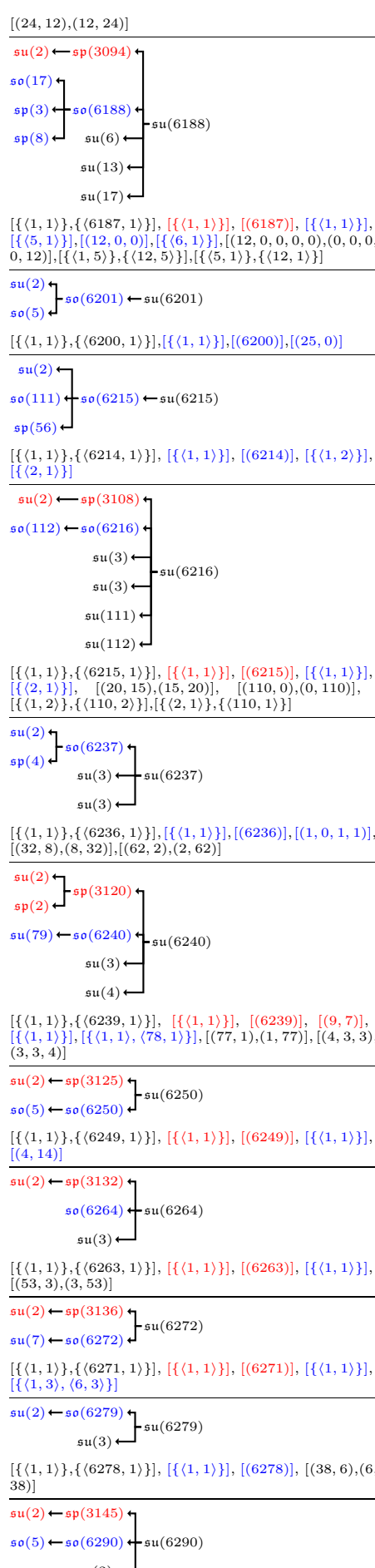
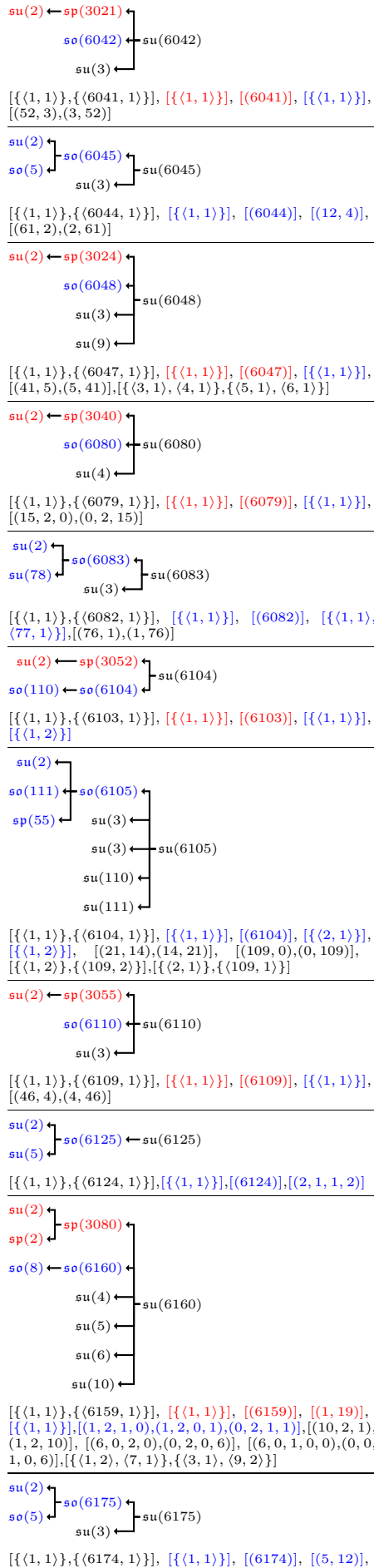


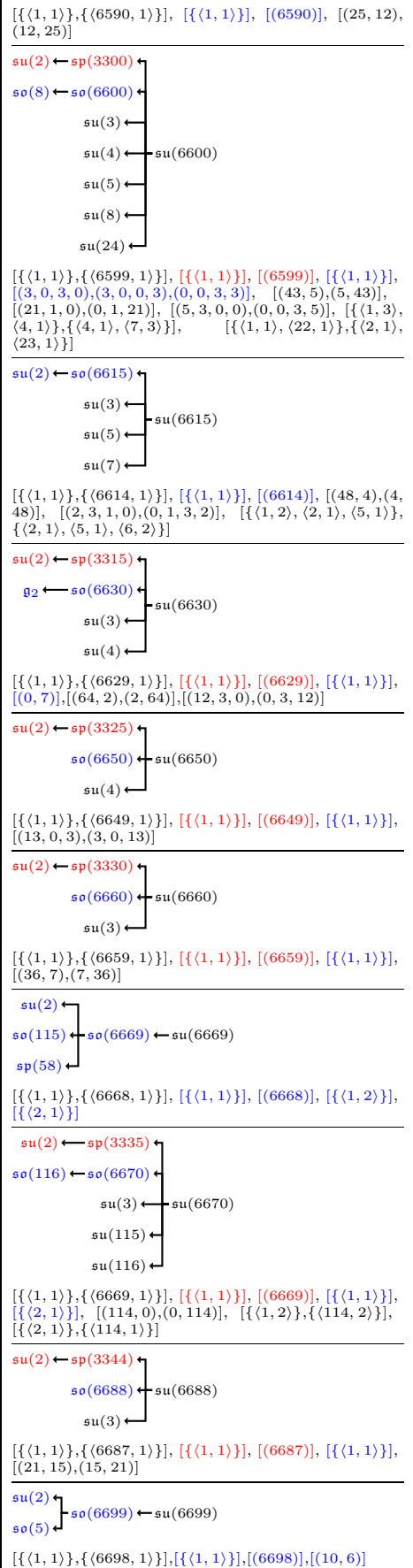
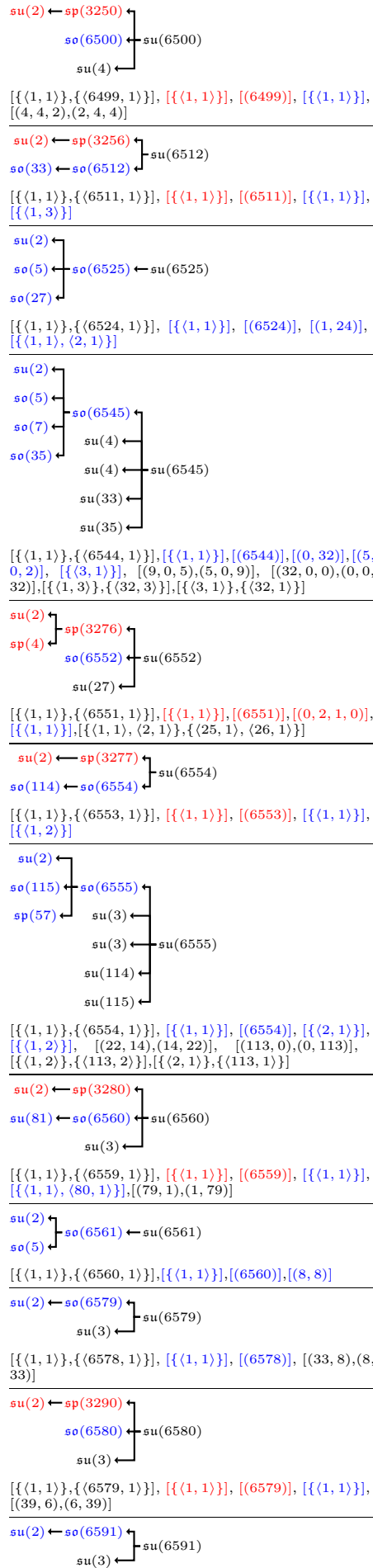
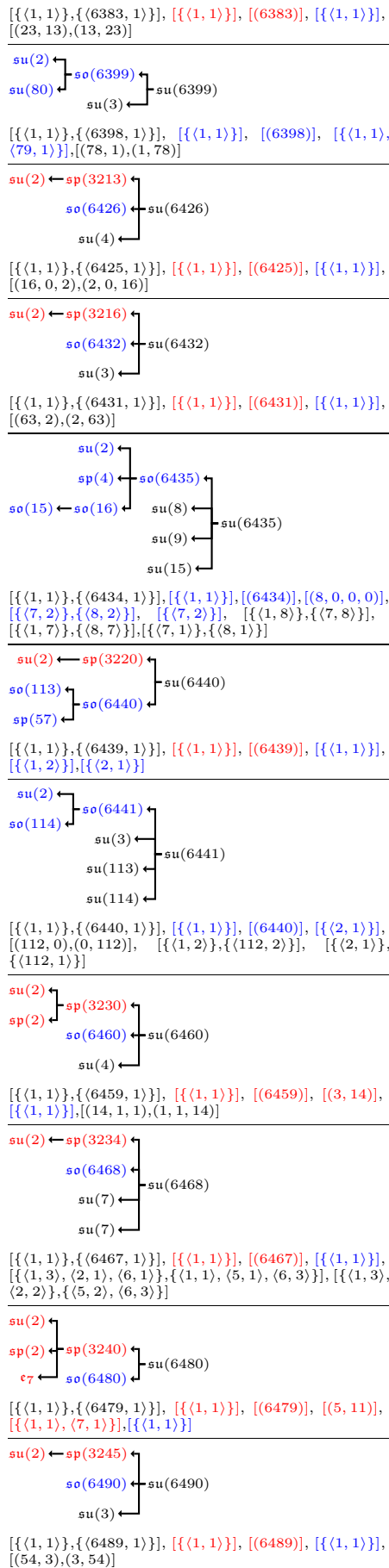
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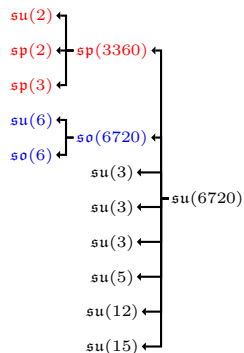


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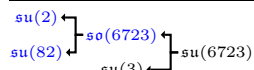




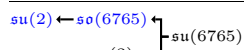




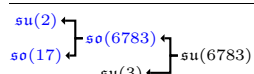
[[{1, 1}], {6719, 1}], [{1, 1}], [(6719)], [(7, 9)], [(3, 3, 0)], [{1, 1}], [(0, 2, 0, 2, 0)], [(9, 1, 1)], [(27, 11)], [(11, 27)], [(31, 9), (9, 31)], [(55, 3), (3, 55)], [(11, 1, 0, 0), (0, 0, 1, 11)], [{1, 1}, (2, 1), (11, 1)], {(1, 1), (10, 1), (11, 1)}, [{1, 1}, (12, 1)], {(3, 1), (14, 1)}]



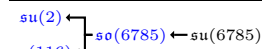
[[{1, 1}], {6722, 1}], [{1, 1}], [(6722)], [{1, 1}, (81, 1)], [(80, 1), (1, 80)]



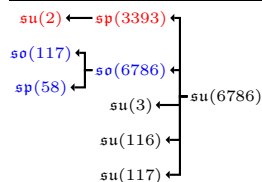
[[{1, 1}], {6764, 1}], [{1, 1}], [(6764)], [(29, 10), (10, 29)]



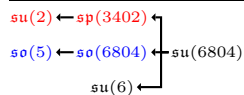
[[{1, 1}], {6782, 1}], [{1, 1}], [(6782)], [(2, 2)], [(20, 16), (16, 20)]



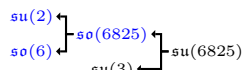
[[{1, 1}], {6784, 1}], [{1, 1}], [(6784)], [(1, 2)]



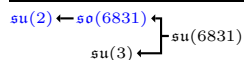
[[{1, 1}], {6785, 1}], [{1, 1}], [(6785)], [{1, 1}], [(2, 1)], [(1, 2)], [(115, 0), (0, 115)], [(1, 2)], [(115, 2)], [(2, 1)], [(115, 1)]]



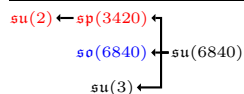
[[{1, 1}], {6803, 1}], [{1, 1}], [(6803)], [(1, 1)], [(2, 20)], [(1, 0, 2, 1, 0), (0, 1, 2, 0, 1)]]



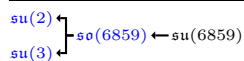
[[{1, 1}], {6824, 1}], [{1, 1}], [(6824)], [(6, 2, 2)], [(24, 13), (13, 24)]]



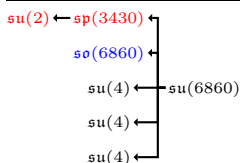
[[{1, 1}], {6830, 1}], [{1, 1}], [(6830)], [(65, 2), (2, 65)]]



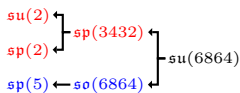
[[{1, 1}], {6839, 1}], [{1, 1}], [(6839)], [(1, 1)], [(19, 17), (17, 19)]]



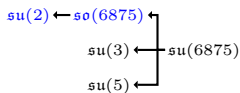
[[{1, 1}], {6858, 1}], [{1, 1}], [(6858)], [(18, 18)]]



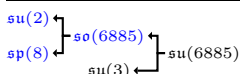
[[{1, 1}], {6859, 1}], [{1, 1}], [(6859)], [{1, 1}], [(6, 2, 3), (3, 2, 6)], [(6, 4, 1), (1, 4, 6)], [(6, 6, 0), (0, 6, 6)]]



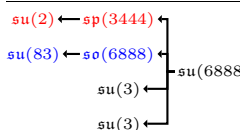
[[{1, 1}], {6863, 1}], [{1, 1}], [(6863)], [(17, 3)], [(1, 1)], [(2, 0, 0, 1, 0)]]



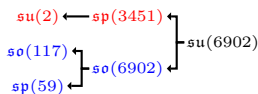
[[{1, 1}], {6874, 1}], [{1, 1}], [(6874)], [(49, 4), (4, 49)], [(4, 0, 3, 0), (0, 3, 0, 4)]]



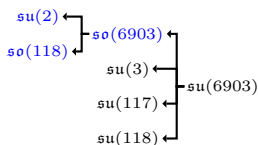
[[{1, 1}], {6884, 1}], [{1, 1}], [(6884)], [(1, 1), (3, 1)], [(44, 5), (5, 44)]]



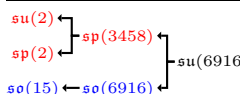
[[{1, 1}], {6887, 1}], [{1, 1}], [(6887)], [(1, 1)], [(1, 1), (82, 1)], [(40, 6), (6, 40)], [(81, 1), (1, 81)]]



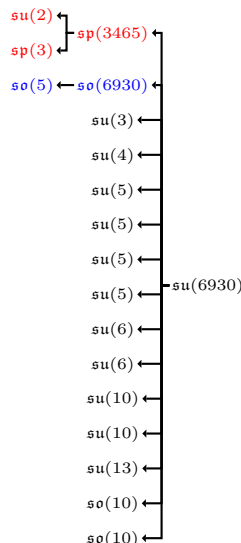
[[{1, 1}], {6901, 1}], [{1, 1}], [(6901)], [(1, 1)], [(1, 2)], [(2, 1)]]



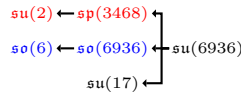
[[{1, 1}], {6902, 1}], [{1, 1}], [(6902)], [(2, 1)], [(116, 0), (0, 116)], [(1, 2)], [(116, 2)], [(2, 1)], [(116, 1)]]



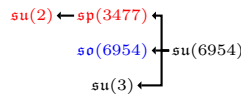
[[{1, 1}], {6915, 1}], [{1, 1}], [(6915)], [(11, 6)], [(1, 1)], [(1, 2), (2, 1)]]



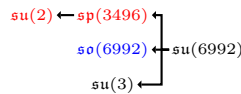
[[{1, 1}], {6929, 1}], [{1, 1}], [(6929)], [(5, 2, 0)], [(1, 1)], [(26, 0)], [(34, 8), (8, 34)], [(2, 10, 0), (0, 10, 2)], [(1, 6, 0, 0), (0, 0, 6, 1)], [(2, 5, 0, 0), (0, 0, 5, 2)], [(6, 1, 1, 0), (0, 1, 1, 6)], [(10, 0, 1, 0), (0, 1, 0, 10)], [(4, 0, 0, 1, 1), (1, 1, 0, 0, 4)], [(8, 0, 0, 0, 1), (1, 0, 0, 0, 8)], [(2, 1), (4, 1)], [(6, 1), (8, 1)], [(1, 4), (9, 1)], [(1, 1), (9, 4)], [(1, 2), (11, 1)], [(2, 1), (12, 2)], [(0, 0, 0, 3, 1), (0, 0, 1, 3)], [(0, 0, 1, 2, 0), (0, 0, 1, 0, 2)]]



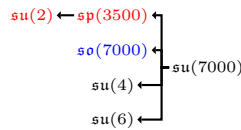
[[{1, 1}], {6935, 1}], [{1, 1}], [(6935)], [(1, 1)], [(15, 0, 0)], [(2, 2)], [(15, 2)]]



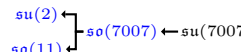
[[{1, 1}], {6953, 1}], [{1, 1}], [(6953)], [(1, 1)], [(56, 3), (3, 56)]]



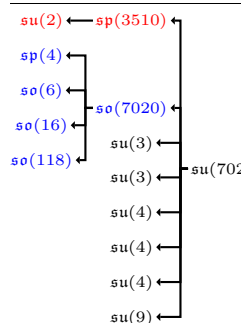
[[{1, 1}], {6991, 1}], [{1, 1}], [(6991)], [(1, 1)], [(37, 7), (7, 37)]]



[[{1, 1}], {6999, 1}], [{1, 1}], [(6999)], [(1, 1)], [(7, 1, 4), (4, 1, 7)], [(2, 0, 0, 2, 1), (1, 2, 0, 0, 2)]]

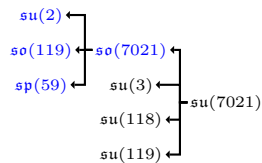


[[{1, 1}], {7006, 1}], [{1, 1}], [(7006)], [(6, 0, 0, 0, 0)]]

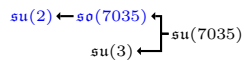


[[{1, 1}], {7019, 1}], [{1, 1}], [(7019)], [(1, 1)], [(0, 2, 0, 1)], [(4, 3, 3)], [(1, 1), (3, 1)], [(1, 2)], [(23, 1)]]

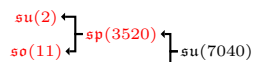
14),(14, 23]), [(26, 12),(12, 26)], [(3, 5, 2),(2, 5, 3)], [(8, 3, 1),(1, 3, 8)], [(11, 0, 4),(4, 0, 11)], [{"(1, 3), (8, 2)}, {(1, 2), (8, 3)}]



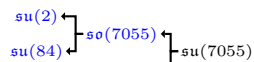
[{(1, 1)}, {(7020, 1)}], [{"(1, 1)}], [(7020)], [{"(2, 1)}], [{"(1, 2)}], [(117, 0),(0, 117)], [{"(1, 2)}, {(117, 2)}], [{"(2, 1)}, {(117, 1)}]



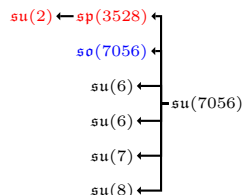
[{(1, 1)}, {(7034, 1)}], [{"(1, 1)}], [(7034)], [(66, 2),(2, 66)]



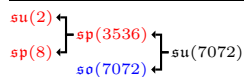
[{(1, 1)}, {(7039, 1)}], [{"(1, 1)}], [(7039)], [(3, 0, 0, 0, 1)], [{"(1, 1)}]



[{(1, 1)}, {(7054, 1)}], [{"(1, 1)}], [(7054)], [{"(1, 1), (83, 1)}], [(82, 1),(1, 82)]



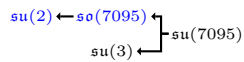
[{(1, 1)}, {(7055, 1)}], [{"(1, 1)}], [(7055)], [{"(1, 1)}], [(0, 1, 3, 0, 0),(0, 0, 3, 1, 0)], [(0, 2, 2, 0, 0),(0, 0, 2, 2, 0)], [{"(2, 1), (4, 2)}, {(3, 2), (5, 1)}], [{"(1, 1), (3, 2)}, {(5, 2), (7, 1)}]



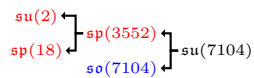
[{(1, 1)}, {(7071, 1)}], [{"(1, 1)}], [(7071)], [{"(7, 1)}], [{"(1, 1)}]



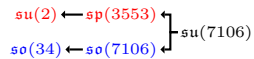
[{(1, 1)}, {(7083, 1)}], [{"(1, 1)}], [(7083)], [(1, 20)], [{"(1, 1)}, {(4, 1)}]



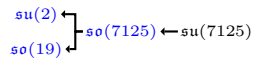
[{(1, 1)}, {(7094, 1)}], [{"(1, 1)}], [(7094)], [(32, 9),(9, 32)]



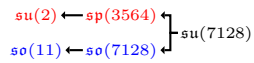
[{(1, 1)}, {(7103, 1)}], [{"(1, 1)}], [(7103)], [{"(3, 1)}], [{"(1, 1)}]



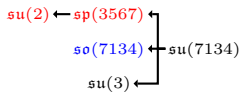
[{(1, 1)}, {(7105, 1)}], [{"(1, 1)}], [(7105)], [{"(1, 1)}], [{"(1, 3)}]



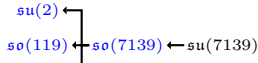
[{(1, 1)}, {(7124, 1)}], [{"(1, 1)}], [(7124)], [{"(1, 4)}]



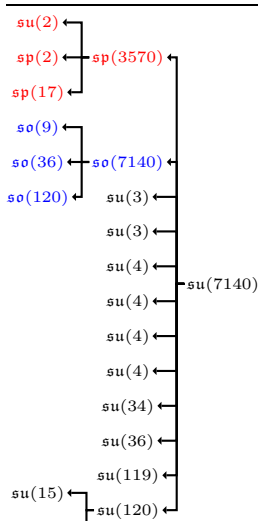
[{(1, 1)}, {(7127, 1)}], [{"(1, 1)}], [(7127)], [{"(1, 1)}], [{"(2, 0, 1, 0, 0)]



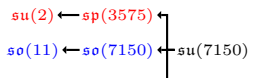
[{(1, 1)}, {(7133, 1)}], [{"(1, 1)}], [(7133)], [{"(1, 1)}], [(28, 11),(11, 28)]



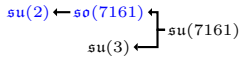
[{(1, 1)}, {(7138, 1)}], [{"(1, 1)}], [(7138)], [{"(1, 2)}], [{"(2, 1)}]



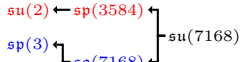
[{(1, 1)}, {(7139, 1)}], [{"(1, 1)}], [(7139)], [(33, 0)], [{"(1, 3)}, {(1, 1)}], [(4, 1, 0, 0)], [{"(3, 1)}], [{"(2, 1)}], [(50, 4),(4, 50)], [(118, 0),(0, 118)], [(8, 0, 6),(6, 0, 8)], [(11, 1, 2),(2, 1, 11)], [(16, 2, 0),(0, 2, 16)], [(33, 0, 0),(0, 0, 33)], [{"(1, 3)}, {(33, 3)}], [{"(3, 1)}, {(33, 1)}], [{"(1, 2)}, {(118, 2)}], [{"(2, 1)}, {(118, 1)}], [{"(1, 2), (2, 1)}, {(13, 1), (14, 2)}], [{"(1, 1), (3, 1)}, {(13, 1), (15, 1)}]



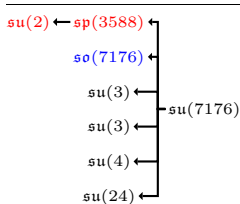
[{(1, 1)}, {(7149, 1)}], [{"(1, 1)}], [(7149)], [{"(1, 1)}], [(1, 2, 0, 0, 0)], [(7, 1, 0, 1),(1, 0, 1, 7)]



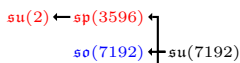
[{(1, 1)}, {(7160, 1)}], [{"(1, 1)}], [(7160)], [(30, 10),(10, 30)]



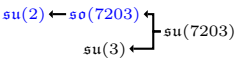
[{(1, 1)}, {(7167, 1)}], [{"(1, 1)}], [(7167)], [{"(1, 1)}], [(1, 1, 3)], [(1, 3, 1)]



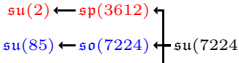
[{(1, 1)}, {(7175, 1)}], [{"(1, 1)}], [(7175)], [{"(1, 1)}], [(22, 15),(15, 22)], [(45, 5),(5, 45)], [(22, 0, 1),(1, 0, 22)], [{"(1, 2), (23, 1)}, {(1, 1), (23, 2)}]



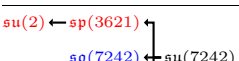
[{(1, 1)}, {(7191, 1)}], [{"(1, 1)}], [(7191)], [{"(1, 1)}], [(57, 3),(3, 57)]



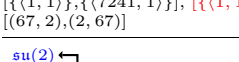
[{(1, 1)}, {(7202, 1)}], [{"(1, 1)}], [(7202)], [(41, 6),(6, 41)]



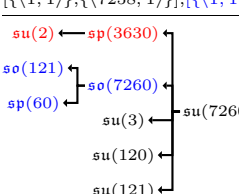
[{(1, 1)}, {(7223, 1)}], [{"(1, 1)}], [(7223)], [{"(1, 1)}], [{"(1, 1), (84, 1)}], [(83, 1),(1, 83)]



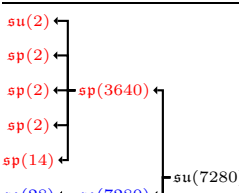
[{(1, 1)}, {(7241, 1)}], [{"(1, 1)}], [(7241)], [{"(1, 1)}], [(67, 2),(2, 67)]



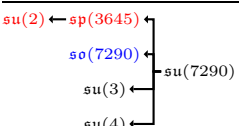
[{(1, 1)}, {(7258, 1)}], [{"(1, 1)}], [(7258)], [{"(1, 2)}]



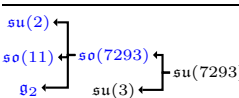
[{(1, 1)}, {(7259, 1)}], [{"(1, 1)}], [(7259)], [{"(1, 1)}], [{"(2, 1)}], [{"(1, 2)}], [(119, 0),(0, 119)], [{"(1, 2)}, {(119, 2)}], [{"(2, 1)}, {(119, 1)}]



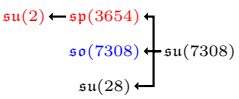
[{(1, 1)}, {(7279, 1)}], [{"(1, 1)}], [(7279)], [(13, 5)], [(15, 4)], [(25, 1)], [{"(1, 1), (2, 1)}], [{"(1, 1)}, {(1, 1), (2, 1)}], [(25, 13),(13, 25)], [(1, 12, 0),(0, 12, 1)]



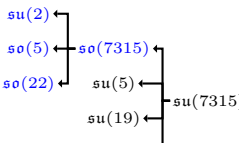
[{(1, 1)}, {(7289, 1)}], [{"(1, 1)}], [(7289)], [{"(1, 1)}], [(35, 8),(8, 35)], [(8, 2, 2),(2, 2, 8)]



[{(1, 1)}, {(7292, 1)}], [{"(1, 1)}], [(7292)], [(3, 1, 0, 0, 0)], [(4, 3)], [(21, 16),(16, 21)]



[{(1, 1)}, {(7307, 1)}], [{"(1, 1)}], [(7307)], [{"(1, 1)}], [{"(1, 1), (2, 1)}, {(26, 1), (27, 1)}]



$\{ \langle 1, 1 \rangle, \langle 7314, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7314 \rangle \}, \{ \langle 13, 4 \rangle \}, \{ \langle 4, 1 \rangle \}, \{ \langle 18, 0, 0, 0 \rangle, \langle 0, 0, 0, 18 \rangle \}, \{ \langle 1, 4 \rangle \}, \{ \langle 18, 4 \rangle \}, \{ \langle 4, 1 \rangle \}, \{ \langle 18, 1 \rangle \}$
 $su(2) \leftarrow sp(3666) \leftarrow so(7332) \leftarrow su(7332) \leftarrow su(3)$

$\{ \langle 1, 1 \rangle, \langle 7331, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7331 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 38, 7 \rangle, \langle 7, 38 \rangle \}$
 $su(2) \leftarrow sp(3672) \leftarrow so(6) \leftarrow so(7344) \leftarrow su(7344)$

$\{ \langle 1, 1 \rangle, \langle 7343, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7343 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 0, 7, 7 \rangle \}$
 $su(2) \leftarrow sp(3675) \leftarrow so(7350) \leftarrow su(5) \leftarrow su(7) \leftarrow su(7) \leftarrow su(8)$

$\{ \langle 1, 1 \rangle, \langle 7349, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7349 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 1, 4, 1, 0 \rangle, \langle 0, 1, 4, 1 \rangle \}, \{ \langle 1, 1 \rangle, \langle 5, 3 \rangle \}, \{ \langle 2, 3 \rangle, \langle 6, 1 \rangle \}, \{ \langle 1, 2 \rangle, \langle 2, 1 \rangle, \langle 3, 1 \rangle \}, \{ \langle 4, 1 \rangle, \langle 5, 1 \rangle, \langle 6, 2 \rangle \}, \{ \langle 1, 1 \rangle, \langle 5, 1 \rangle, \langle 6, 1 \rangle \}, \{ \langle 2, 1 \rangle, \langle 3, 1 \rangle, \langle 7, 1 \rangle \}$
 $su(2) \leftarrow so(5) \leftarrow so(7) \leftarrow su(3) \leftarrow su(7371) \leftarrow su(3) \leftarrow su(7) \leftarrow \epsilon_7 \leftarrow \epsilon_6$

$\{ \langle 1, 1 \rangle, \langle 7370, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7370 \rangle \}, \{ \langle 17, 2 \rangle \}, \{ \langle 11, 0, 0 \rangle \}, \{ \langle 11, 0 \rangle \}, \{ \langle 1, 2 \rangle \}, \{ \langle 20, 17 \rangle, \langle 17, 20 \rangle \}, \{ \langle 1, 1 \rangle, \langle 5, 1 \rangle \}, \{ \langle 3, 1 \rangle, \langle 6, 1 \rangle \}$
 $su(2) \leftarrow sp(3690) \leftarrow so(121) \leftarrow sp(61) \leftarrow so(7380) \leftarrow su(7380)$

$\{ \langle 1, 1 \rangle, \langle 7379, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7379 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 1, 2 \rangle \}, \{ \langle 2, 1 \rangle \}$
 $su(2) \leftarrow so(122) \leftarrow so(7381) \leftarrow su(3) \leftarrow su(121) \leftarrow su(122)$

$\{ \langle 1, 1 \rangle, \langle 7380, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7380 \rangle \}, \{ \langle 2, 1 \rangle \}, \{ \langle 120, 0 \rangle, \langle 0, 120 \rangle \}, \{ \langle 1, 2 \rangle, \langle 120, 2 \rangle \}, \{ \langle 2, 1 \rangle \}, \{ \langle 120, 1 \rangle \}$
 $su(2) \leftarrow sp(3696) \leftarrow sp(3) \leftarrow so(7) \leftarrow so(7) \leftarrow so(8) \leftarrow so(8) \leftarrow su(7392) \leftarrow su(7392) \leftarrow su(7392) \leftarrow su(8) \leftarrow so(8)$

$\{ \langle 1, 1 \rangle, \langle 7391, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7391 \rangle \}, \{ \langle 0, 2, 3 \rangle \}, \{ \langle 4, 1 \rangle \}, \{ \langle 2, 2, 1 \rangle \}, \{ \langle 4, 1, 1 \rangle \}, \{ \langle 3, 1, 1, 0 \rangle, \langle 3, 1, 0, 1 \rangle, \langle 1, 1, 3, 0 \rangle, \langle 1, 1, 0, 3 \rangle, \langle 0, 1, 3, 1 \rangle, \langle 0, 1, 1, 3 \rangle \}, \{ \langle 6, 0, 1, 0 \rangle, \langle 6, 0, 0, 1 \rangle, \langle 1, 0, 6, 0 \rangle, \langle 1, 0, 0, 6 \rangle, \langle 0, 0, 6, 1 \rangle, \langle 0, 0, 1, 6 \rangle \}$
 $su(2) \leftarrow so(7395) \leftarrow su(86) \leftarrow su(3) \leftarrow su(7395)$

$\{ \langle 1, 1 \rangle, \langle 7394, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7394 \rangle \}, \{ \langle 1, 1 \rangle, \langle 85, 1 \rangle \}, \{ \langle 84, 1 \rangle, \langle 1, 84 \rangle \}$
 $su(2) \leftarrow sp(3705) \leftarrow so(7410) \leftarrow su(3) \leftarrow su(7410) \leftarrow su(3)$

$\{ \langle 1, 1 \rangle, \langle 7409, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7409 \rangle \}, \{ \langle 1, 1 \rangle \},$

$\{ \langle 19, 18 \rangle, \langle 18, 19 \rangle \}, \{ \langle 51, 4 \rangle, \langle 4, 51 \rangle \}$
 $su(2) \leftarrow so(7425) \leftarrow su(5) \leftarrow su(7425)$

$\{ \langle 1, 1 \rangle, \langle 7424, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7424 \rangle \}, \{ \langle 4, 0, 2, 1 \rangle, \langle 1, 2, 0, 4 \rangle \}$
 $su(2) \leftarrow sp(3717) \leftarrow so(7434) \leftarrow su(7434) \leftarrow su(3)$

$\{ \langle 1, 1 \rangle, \langle 7433, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7433 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 58, 3 \rangle, \langle 3, 58 \rangle \}$
 $su(2) \leftarrow sp(3726) \leftarrow so(7452) \leftarrow su(7452) \leftarrow su(3)$

$\{ \langle 1, 1 \rangle, \langle 7451, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7451 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 68, 2 \rangle, \langle 2, 68 \rangle \}$
 $su(2) \leftarrow sp(3731) \leftarrow so(7462) \leftarrow su(7462) \leftarrow su(3)$

$\{ \langle 1, 1 \rangle, \langle 7461, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7461 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 27, 12 \rangle, \langle 12, 27 \rangle \}$
 $su(2) \leftarrow so(7473) \leftarrow su(3) \leftarrow su(7473)$

$\{ \langle 1, 1 \rangle, \langle 7472, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7472 \rangle \}, \{ \langle 46, 5 \rangle, \langle 5, 46 \rangle \}$
 $su(2) \leftarrow so(7475) \leftarrow su(4) \leftarrow su(7475) \leftarrow su(25)$

$\{ \langle 1, 1 \rangle, \langle 7474, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7474 \rangle \}, \{ \langle 22, 1, 0 \rangle, \langle 0, 1, 22 \rangle \}, \{ \langle 1, 1 \rangle, \langle 23, 1 \rangle \}, \{ \langle 2, 1 \rangle, \langle 24, 1 \rangle \}$
 $su(2) \leftarrow sp(3740) \leftarrow so(7480) \leftarrow su(3) \leftarrow su(4) \leftarrow su(7480)$

$\{ \langle 1, 1 \rangle, \langle 7479, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7479 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 33, 9 \rangle, \langle 9, 33 \rangle \}, \{ \langle 10, 4, 0 \rangle, \langle 0, 4, 10 \rangle \}$
 $su(2) \leftarrow sp(3750) \leftarrow so(7500) \leftarrow su(7500) \leftarrow su(3)$

$\{ \langle 1, 1 \rangle, \langle 7499, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7499 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 24, 14 \rangle, \langle 14, 24 \rangle \}$
 $su(2) \leftarrow sp(3751) \leftarrow so(122) \leftarrow so(7502) \leftarrow su(7502)$

$\{ \langle 1, 1 \rangle, \langle 7501, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7501 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 1, 2 \rangle \}$
 $su(2) \leftarrow so(123) \leftarrow sp(61) \leftarrow so(7503) \leftarrow su(3) \leftarrow su(122) \leftarrow su(123) \leftarrow su(7503)$

$\{ \langle 1, 1 \rangle, \langle 7502, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7502 \rangle \}, \{ \langle 2, 1 \rangle \}, \{ \langle 1, 2 \rangle \}, \{ \langle 121, 0 \rangle, \langle 0, 121 \rangle \}, \{ \langle 1, 2 \rangle, \langle 121, 2 \rangle \}, \{ \langle 2, 1 \rangle, \langle 121, 1 \rangle \}$
 $su(2) \leftarrow sp(3762) \leftarrow so(5) \leftarrow so(7524) \leftarrow su(7524) \leftarrow su(4)$

$\{ \langle 1, 1 \rangle, \langle 7523, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7523 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7, 10 \rangle, \langle 17, 0, 2 \rangle, \langle 2, 0, 17 \rangle \}$
 $su(2) \leftarrow so(7525) \leftarrow su(3) \leftarrow su(7525)$

$\{ \langle 1, 1 \rangle, \langle 7524, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7524 \rangle \}, \{ \langle 42, 6 \rangle, \langle 6,$

42)

$su(2) \leftarrow sp(3773) \leftarrow so(7546) \leftarrow su(7546) \leftarrow su(4)$

$\{ \langle 1, 1 \rangle, \langle 7545, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7545 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 6, 3, 2 \rangle, \langle 2, 3, 6 \rangle \}$
 $su(2) \leftarrow sp(3780) \leftarrow so(7) \leftarrow so(7560) \leftarrow su(3) \leftarrow su(4) \leftarrow su(4) \leftarrow su(4) \leftarrow su(4) \leftarrow su(4) \leftarrow su(7) \leftarrow su(9)$

$\{ \langle 1, 1 \rangle, \langle 7559, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7559 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 2, 3, 0 \rangle \}, \{ \langle 29, 11 \rangle, \langle 11, 29 \rangle \}, \{ \langle 5, 2, 4 \rangle, \langle 4, 2, 5 \rangle \}, \{ \langle 5, 7, 0 \rangle, \langle 0, 7, 5 \rangle \}, \{ \langle 6, 1, 5 \rangle, \langle 5, 1, 6 \rangle \}, \{ \langle 8, 5, 0 \rangle, \langle 0, 5, 8 \rangle \}, \{ \langle 2, 1 \rangle, \langle 3, 1 \rangle, \langle 5, 1 \rangle \}, \{ \langle 2, 1 \rangle, \langle 4, 1 \rangle, \langle 5, 1 \rangle \}, \{ \langle 3, 1 \rangle, \langle 5, 1 \rangle \}, \{ \langle 4, 1 \rangle, \langle 6, 1 \rangle \}$
 $su(2) \leftarrow sp(3784) \leftarrow su(87) \leftarrow so(7568) \leftarrow su(3) \leftarrow su(3) \leftarrow su(7568)$

$\{ \langle 1, 1 \rangle, \langle 7567, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7567 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 1, 1 \rangle, \langle 86, 1 \rangle \}, \{ \langle 31, 10 \rangle, \langle 10, 31 \rangle \}, \{ \langle 85, 1 \rangle, \langle 1, 85 \rangle \}$
 $su(2) \leftarrow so(123) \leftarrow so(7625) \leftarrow su(7625) \leftarrow sp(62)$

$\{ \langle 1, 1 \rangle, \langle 7624, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7624 \rangle \}, \{ \langle 1, 2 \rangle \}, \{ \langle 2, 1 \rangle \}$
 $su(2) \leftarrow sp(3813) \leftarrow so(124) \leftarrow so(7626) \leftarrow su(3) \leftarrow su(123) \leftarrow su(124) \leftarrow su(7626)$

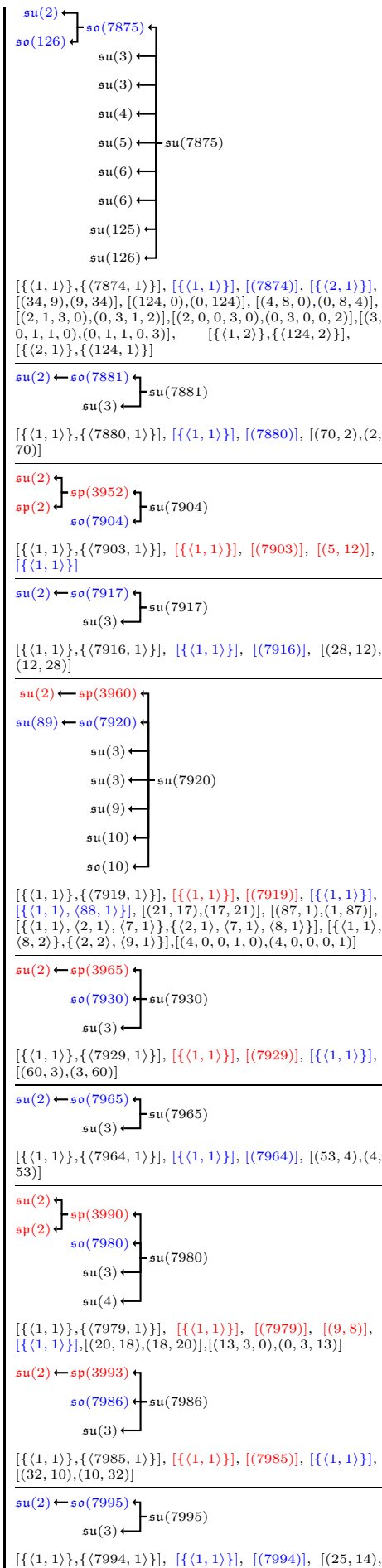
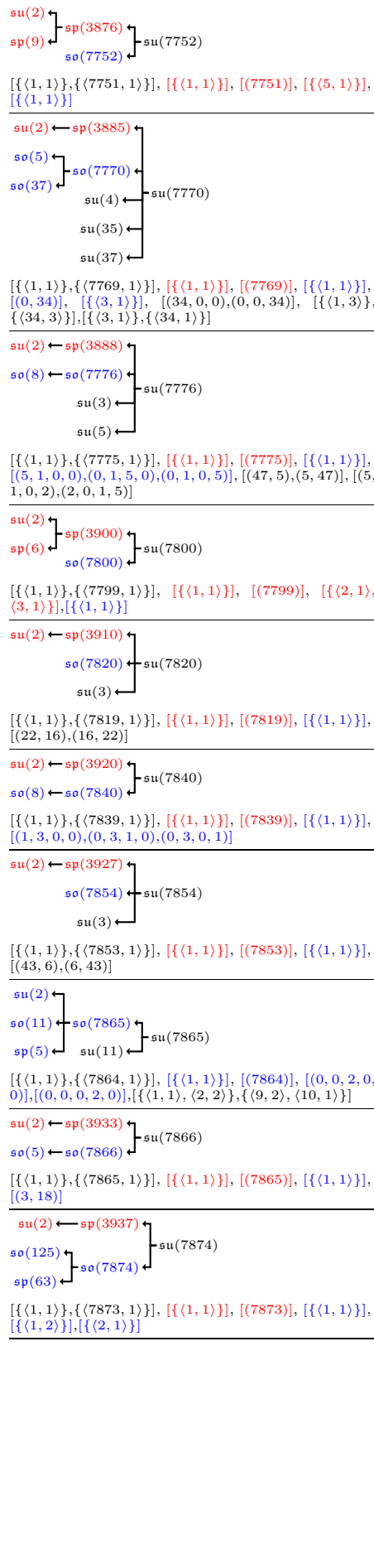
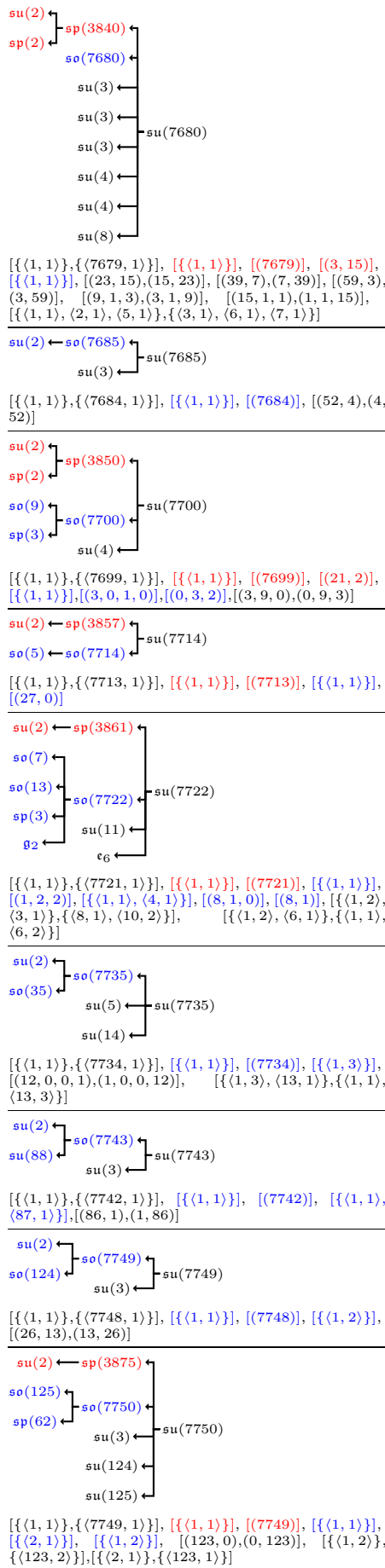
$\{ \langle 1, 1 \rangle, \langle 7625, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7625 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 2, 1 \rangle \}, \{ \langle 122, 0 \rangle, \langle 0, 122 \rangle \}, \{ \langle 1, 2 \rangle, \langle 122, 2 \rangle \}, \{ \langle 2, 1 \rangle, \langle 122, 1 \rangle \}$
 $su(2) \leftarrow sp(3822) \leftarrow so(10) \leftarrow so(7644) \leftarrow su(7644)$

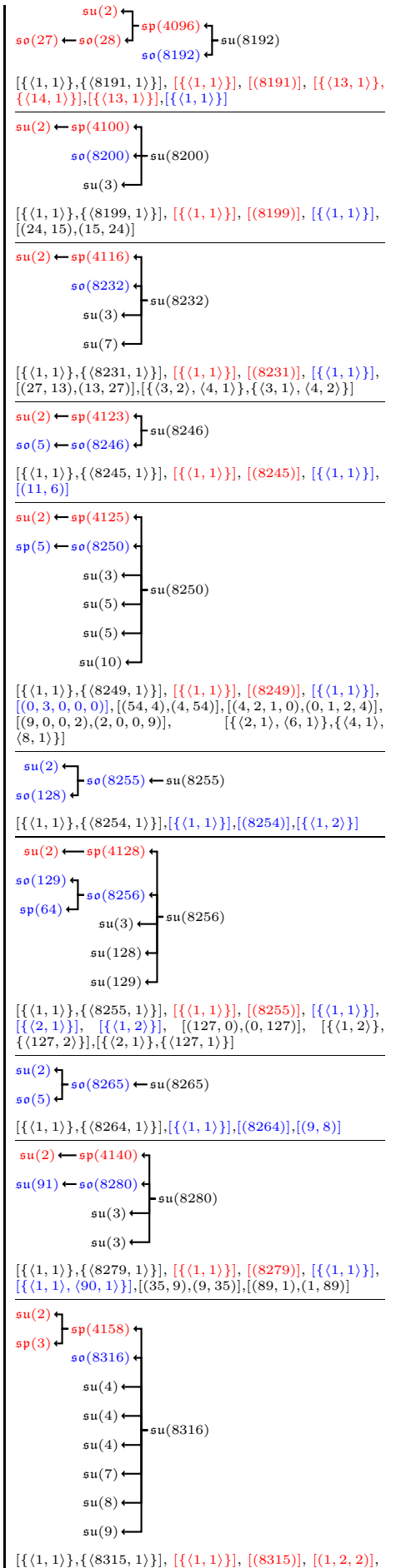
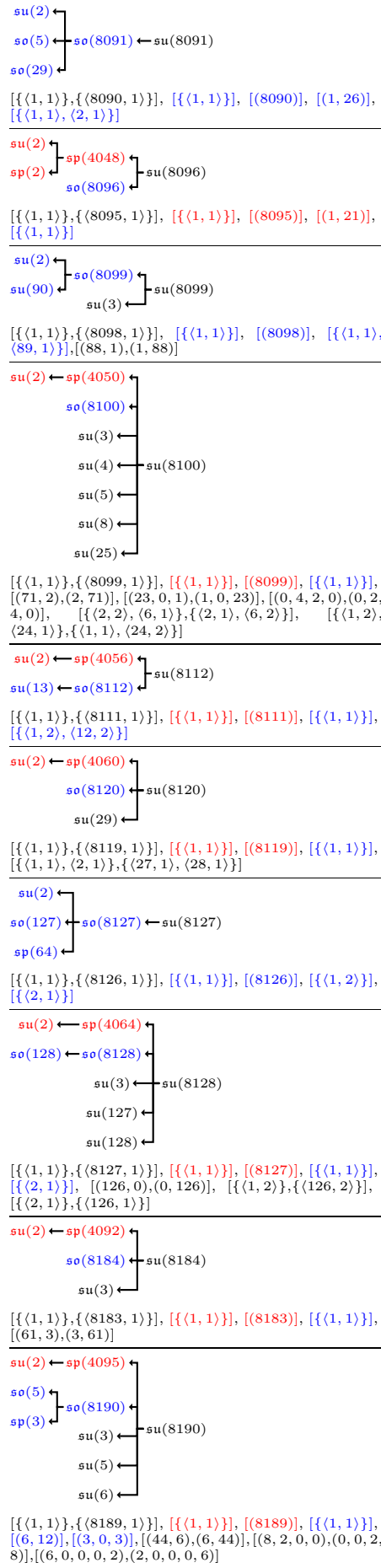
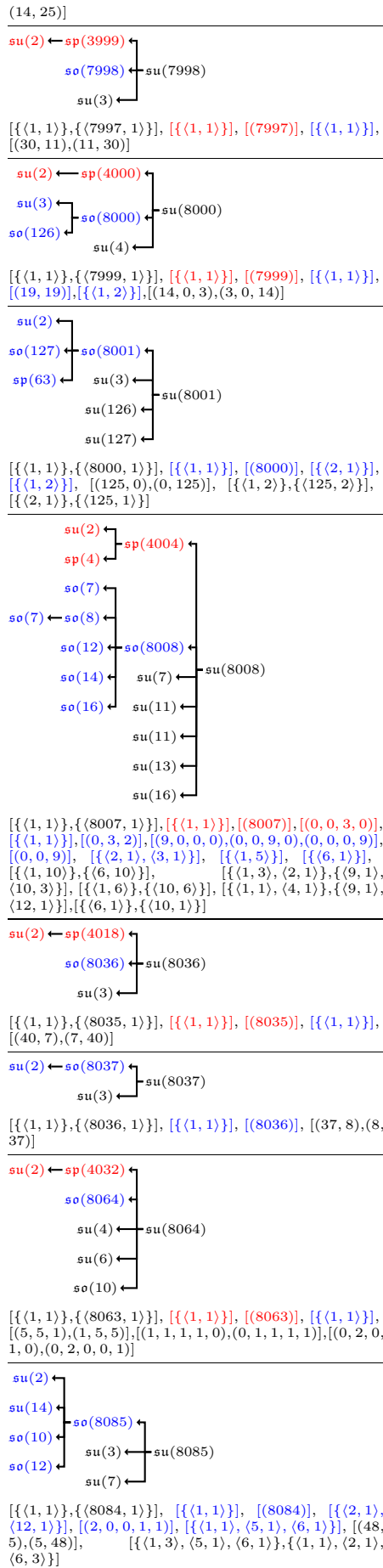
$\{ \langle 1, 1 \rangle, \langle 7643, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7643 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 0, 3, 0, 0, 0 \rangle \}$
 $su(2) \leftarrow sp(3825) \leftarrow so(7650) \leftarrow su(7650) \leftarrow su(4)$

$\{ \langle 1, 1 \rangle, \langle 7649, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7649 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 1, 1 \rangle, \langle 2, 1 \rangle, \langle 1, 2, 1, 1 \rangle \}$
 $su(2) \leftarrow so(7659) \leftarrow su(3) \leftarrow su(7659)$

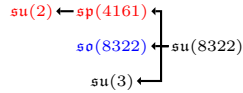
$\{ \langle 1, 1 \rangle, \langle 7658, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7658 \rangle \}, \{ \langle 36, 8 \rangle, \langle 8, 36 \rangle \}$
 $su(2) \leftarrow so(7665) \leftarrow su(3) \leftarrow su(7665)$

$\{ \langle 1, 1 \rangle, \langle 7664, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 7664 \rangle \}, \{ \langle 69, 2 \rangle, \langle 2, 69 \rangle \}$

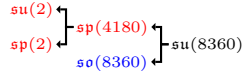




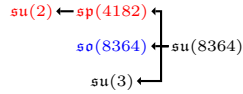
$\{[(1, 1)], [(2, 8, 1), (1, 8, 2)], [(10, 0, 5), (5, 0, 10)], [(17, 2, 0), (0, 2, 17)], [(1, 5), (5, 1)], [(2, 1), (6, 5)], [(1, 4), (6, 1)], [(2, 1), (7, 4)], [(1, 1), (4, 1), (8, 1)], [(1, 1), (5, 1), (8, 1)]\}$



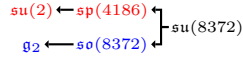
$\{[(1, 1)], [(8321, 1)], [(1, 1)], [(8321)], [(1, 1)], [(72, 2), (2, 72)]\}$



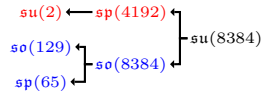
$\{[(1, 1)], [(8359, 1)], [(1, 1)], [(8359)], [(7, 10)], [(1, 1)]\}$



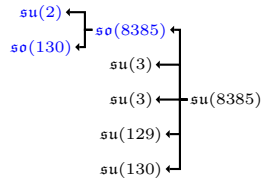
$\{[(1, 1)], [(8363, 1)], [(1, 1)], [(8363)], [(1, 1)], [(23, 16), (16, 23)]\}$



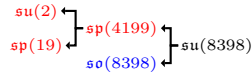
$\{[(1, 1)], [(8371, 1)], [(1, 1)], [(8371)], [(1, 1)], [(6, 2)]\}$



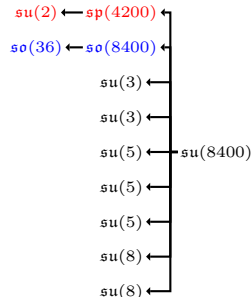
$\{[(1, 1)], [(8383, 1)], [(1, 1)], [(8383)], [(1, 1)], [(1, 2)], [(2, 1)]\}$



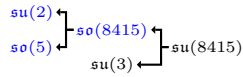
$\{[(1, 1)], [(8384, 1)], [(1, 1)], [(8384)], [(2, 1)], [(29, 12), (12, 29)], [(128, 0), (0, 128)], [(1, 2)], [(128, 2)], [(2, 1)], [(128, 1)]\}$



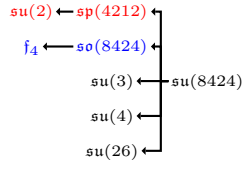
$\{[(1, 1)], [(8397, 1)], [(1, 1)], [(8397)], [(3, 1)], [(1, 1)]\}$



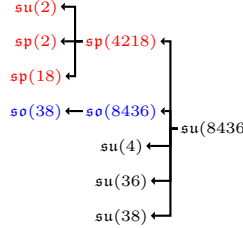
$\{[(1, 1)], [(8399, 1)], [(1, 1)], [(8399)], [(1, 1)], [(1, 3)], [(41, 7), (7, 41)], [(49, 5), (5, 49)], [(1, 1, 4, 0), (0, 4, 1, 1)], [(2, 2, 1, 1), (1, 1, 2, 2)], [(7, 0, 0, 3), (3, 0, 0, 7)], [(1, 1), (5, 2)], [(3, 2), (7, 1)], [(1, 1), (2, 1), (4, 1)], [(4, 1), (6, 1), (7, 1)]\}$



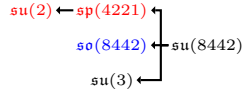
$\{[(1, 1)], [(8414, 1)], [(1, 1)], [(8414)], [(4, 16)], [(33, 10), (10, 33)]\}$



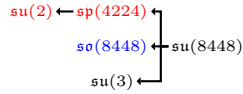
$\{[(1, 1)], [(8423, 1)], [(1, 1)], [(8423)], [(1, 1)], [(1, 0, 1, 0)], [(38, 8), (8, 38)], [(23, 1, 0), (0, 1, 23)], [(1, 1), (24, 1)], [(2, 1), (25, 1)]\}$



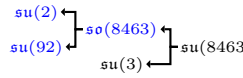
$\{[(1, 1)], [(8435, 1)], [(1, 1)], [(8435)], [(35, 0)], [(1, 3)], [(4, 1)], [(3, 1)], [(35, 0, 0), (0, 0, 35)], [(1, 3)], [(35, 3)], [(3, 1)], [(35, 1)]\}$



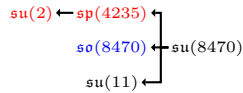
$\{[(1, 1)], [(8441, 1)], [(1, 1)], [(8441)], [(1, 1)], [(62, 3), (3, 62)]\}$



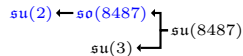
$\{[(1, 1)], [(8447, 1)], [(1, 1)], [(8447)], [(1, 1)], [(31, 11), (11, 31)]\}$



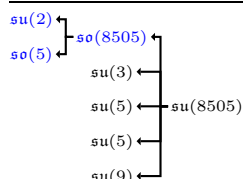
$\{[(1, 1)], [(8462, 1)], [(1, 1)], [(8462)], [(1, 1), (91, 1)], [(90, 1), (1, 90)]\}$



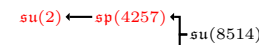
$\{[(1, 1)], [(8469, 1)], [(1, 1)], [(8469)], [(1, 1)], [(2, 1), (8, 1)], [(3, 1), (9, 1)]\}$



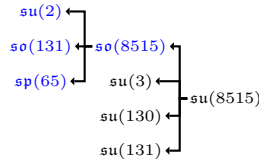
$\{[(1, 1)], [(8486, 1)], [(1, 1)], [(8486)], [(22, 17), (17, 22)]\}$



$\{[(1, 1)], [(8504, 1)], [(1, 1)], [(8504)], [(5, 14)], [(26, 14), (14, 26)], [(2, 2, 2, 0), (0, 2, 2, 2)], [(5, 0, 1, 2), (2, 1, 0, 5)], [(1, 2), (2, 1), (8, 1)], [(1, 1), (7, 1), (8, 2)]\}$

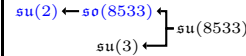


$\{[(1, 1)], [(8513, 1)], [(1, 1)], [(8513)], [(1, 1)], [(1, 2)]\}$

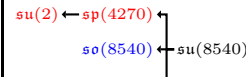


$\{[(1, 1)], [(8514, 1)], [(1, 1)], [(8514)], [(2, 1)], [(1, 1)]\}$

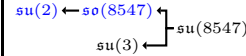
$\{[(1, 2)], [(129, 0), (0, 129)], [(1, 2)], [(129, 2)], [(2, 1)], [(129, 1)]\}$



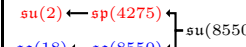
$\{[(1, 1)], [(8532, 1)], [(1, 1)], [(8532)], [(45, 6), (6, 45)]\}$



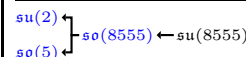
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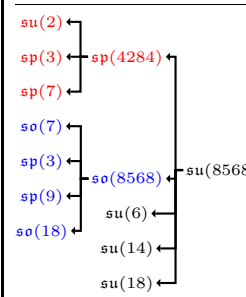
$\{[(1, 1)], [(8546, 1)], [(1, 1)], [(8546)], [(73, 2), (2, 73)]\}$



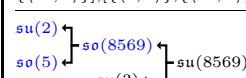
$\{[(1, 1)], [(8549, 1)], [(1, 1)], [(8549)], [(1, 1)], [(2, 2)]\}$



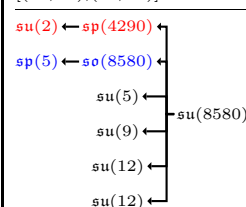
$\{[(1, 1)], [(8554, 1)], [(1, 1)], [(8554)], [(28, 0)]\}$



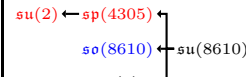
$\{[(1, 1)], [(8567, 1)], [(1, 1)], [(8567)], [(13, 0, 0)], [(1, 5)], [(1, 1)], [(4, 2, 0)], [(0, 6, 0)], [(2, 2)], [(5, 1)], [(13, 0, 0, 0), (0, 0, 0, 13)], [(1, 5)], [(13, 5)], [(5, 1)], [(13, 1)]\}$



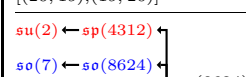
$\{[(1, 1)], [(8568, 1)], [(1, 1)], [(8568)], [(18, 2)], [(21, 18), (18, 21)]\}$



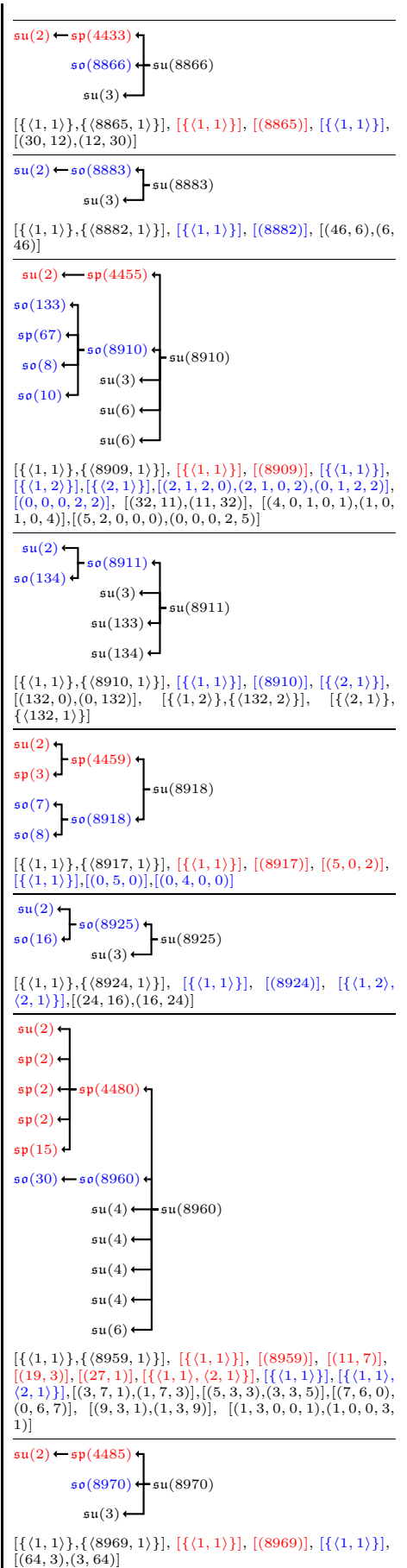
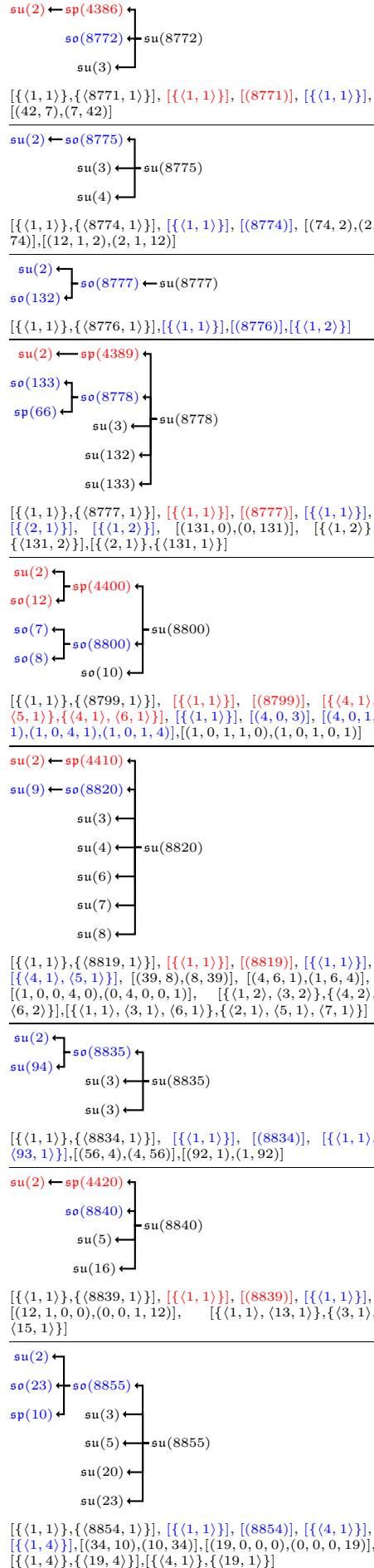
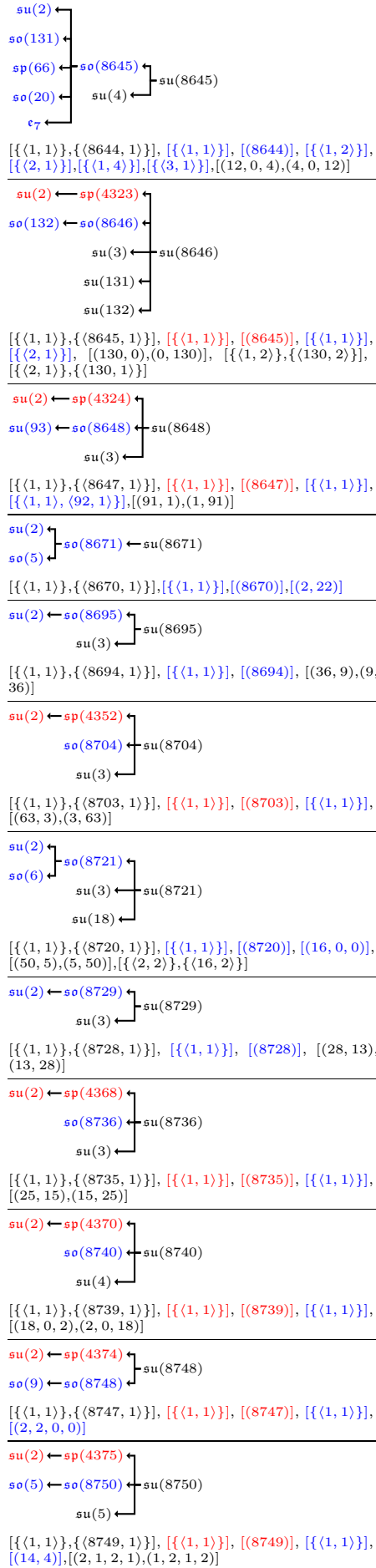
$\{[(1, 1)], [(8579, 1)], [(1, 1)], [(8579)], [(1, 1)], [(0, 0, 1, 0, 1)], [(7, 0, 1, 1), (1, 1, 0, 7)], [(1, 4), (2, 1)], [(7, 1), (8, 4)], [(2, 1), (3, 1)], [(9, 1), (10, 1)], [(1, 1), (5, 1)], [(7, 1), (11, 1)]\}$

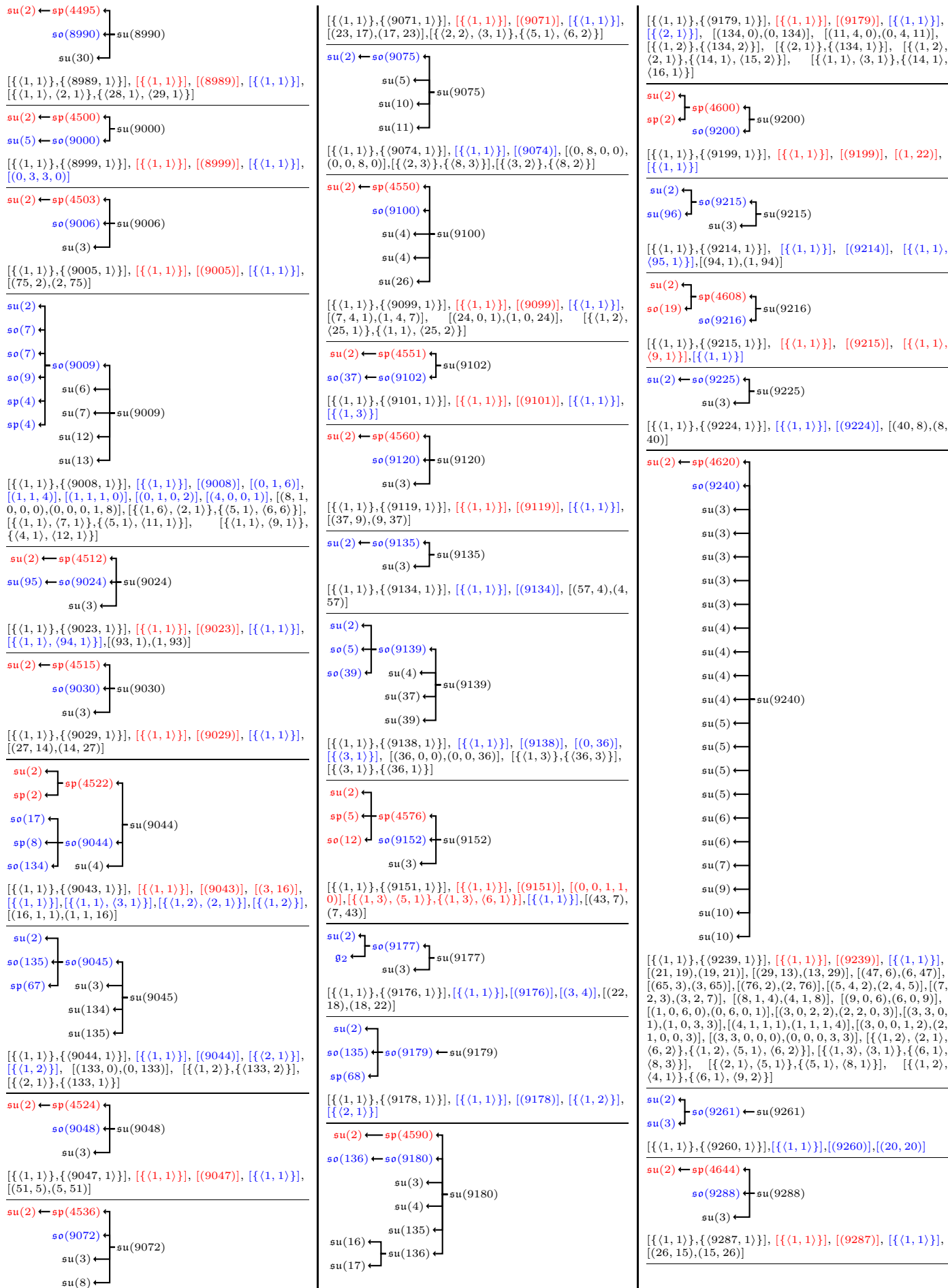


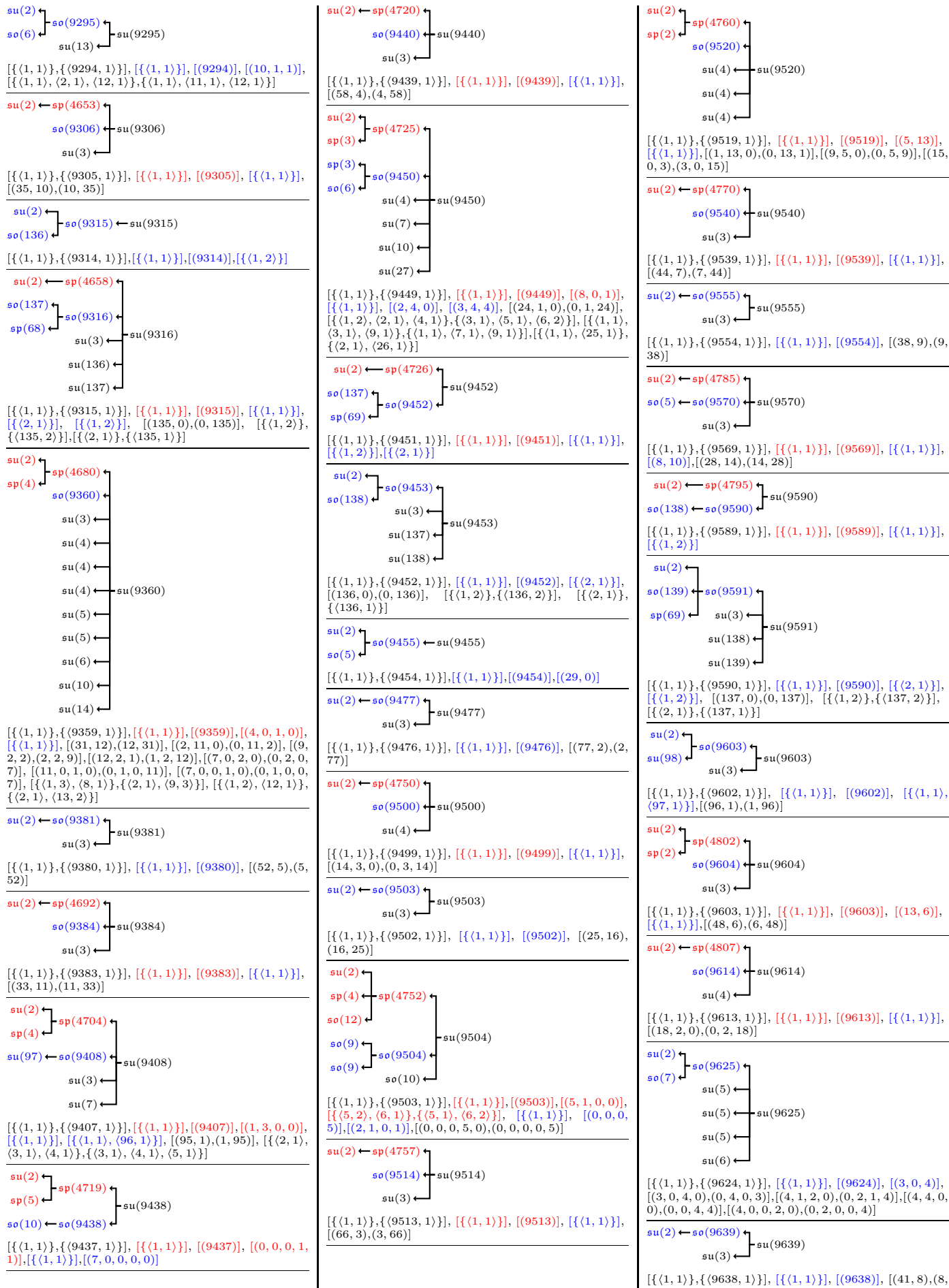
$\{[(1, 1)], [(8609, 1)], [(1, 1)], [(8609)], [(1, 1)], [(20, 19), (19, 20)]\}$

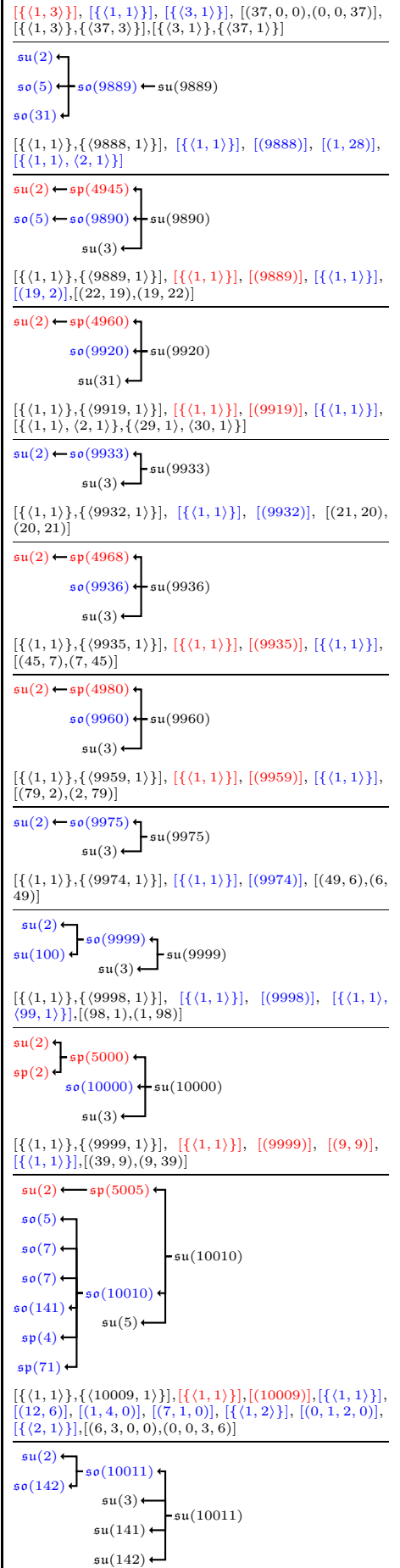
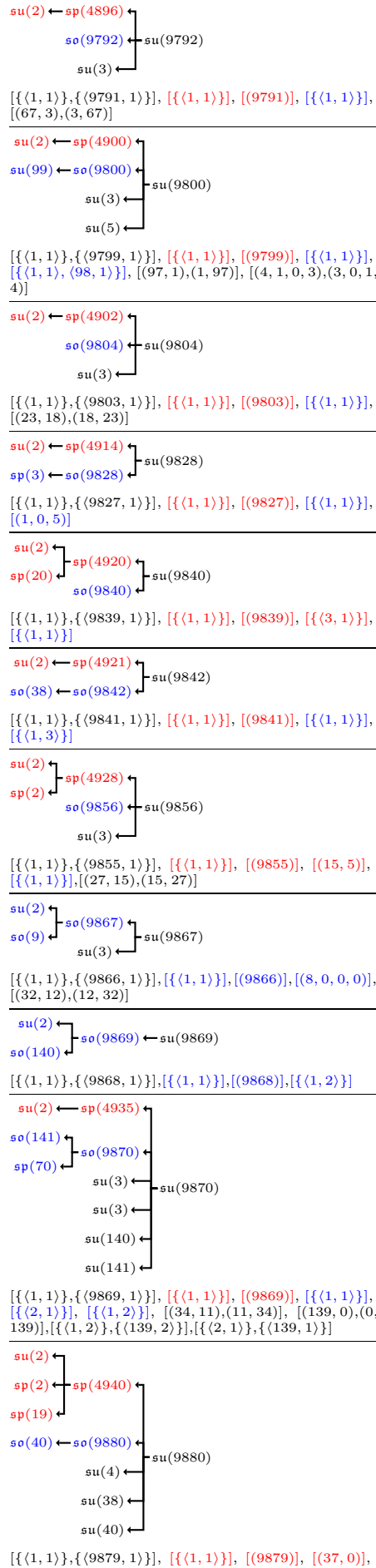
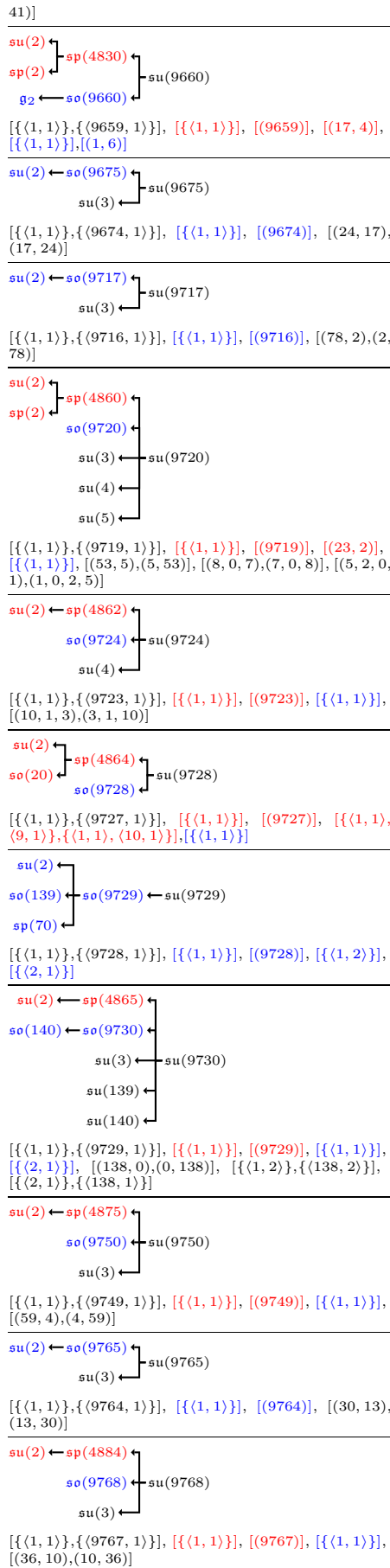


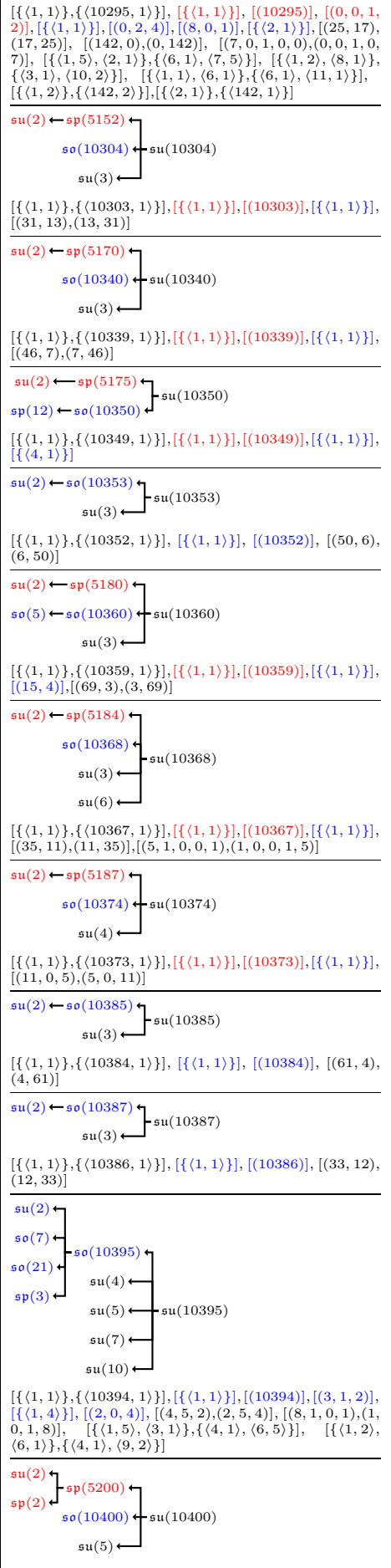
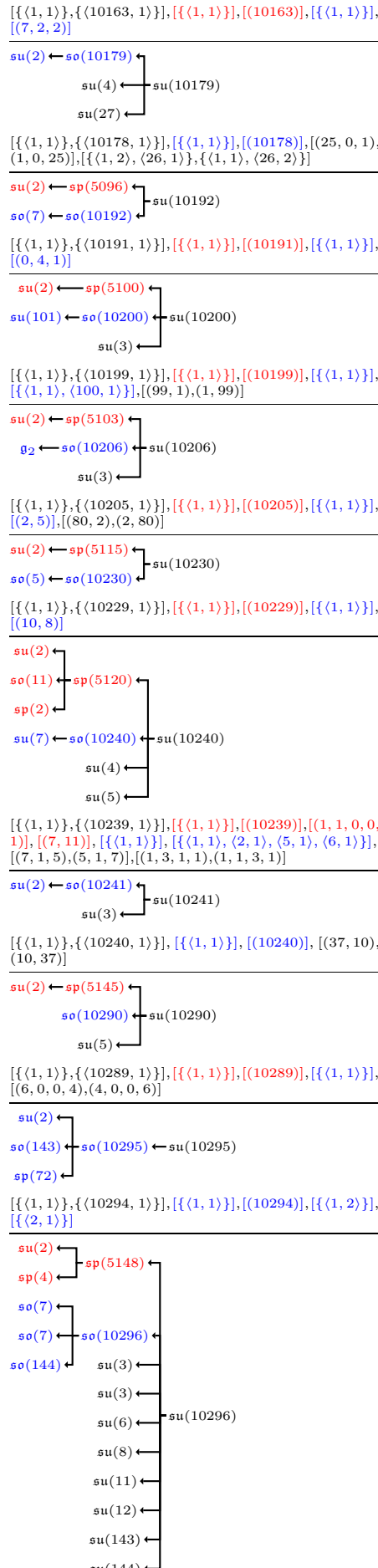
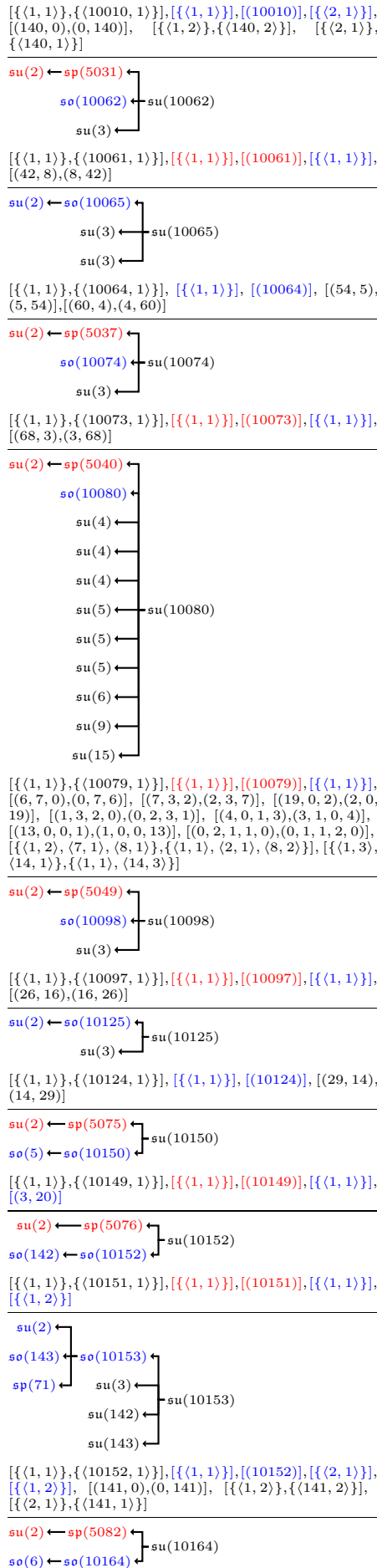
$\{[(1, 1)], [(8623, 1)], [(1, 1)], [(8623)], [(1, 1)], [(2, 0, 5)], [(3, 2, 0, 2), (2, 0, 2, 3)], [(3, 1, 0, 0, 2), (2, 0, 0, 1, 3)]\}$

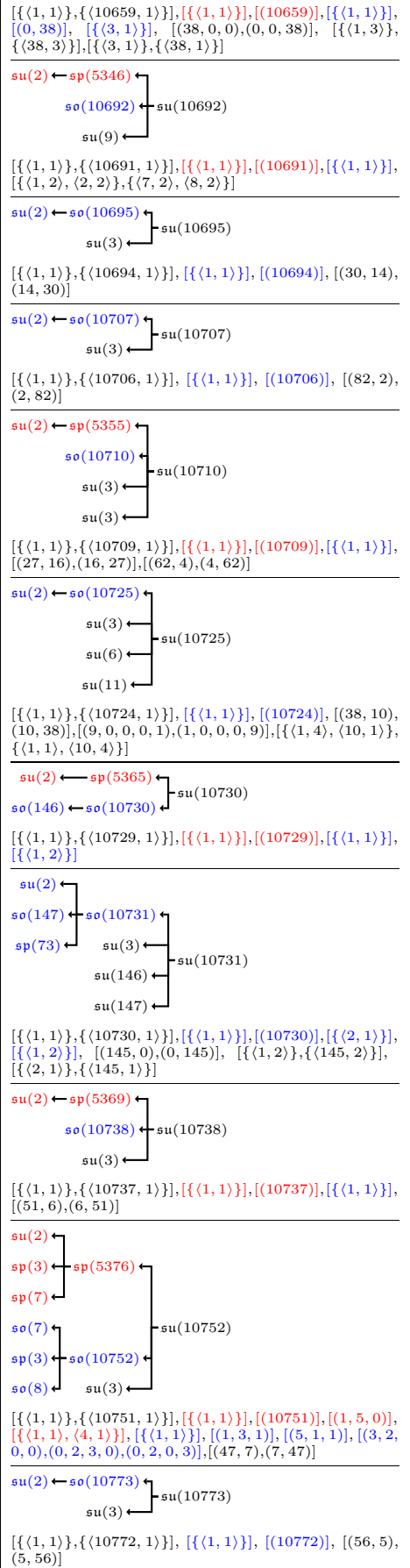
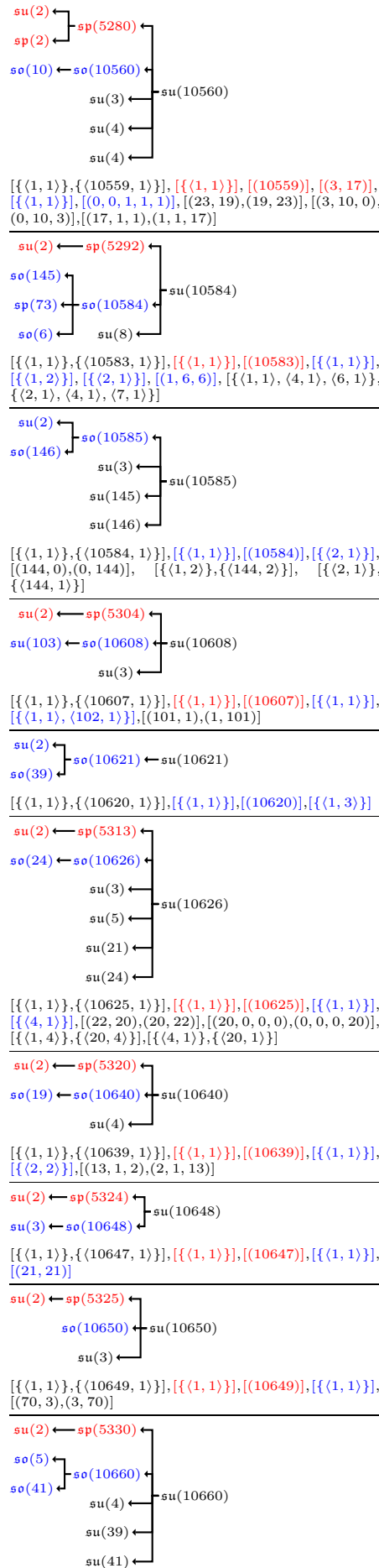
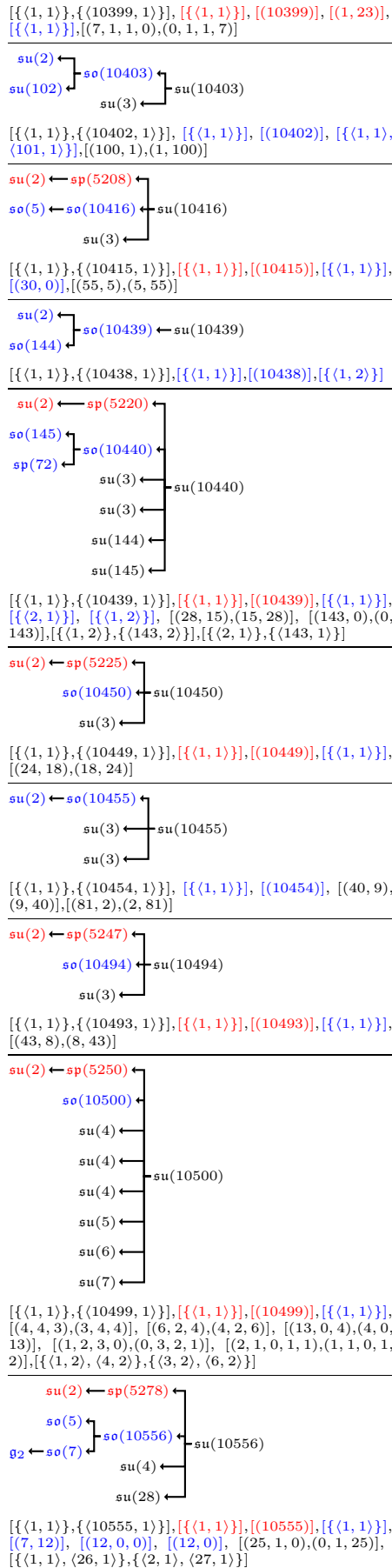


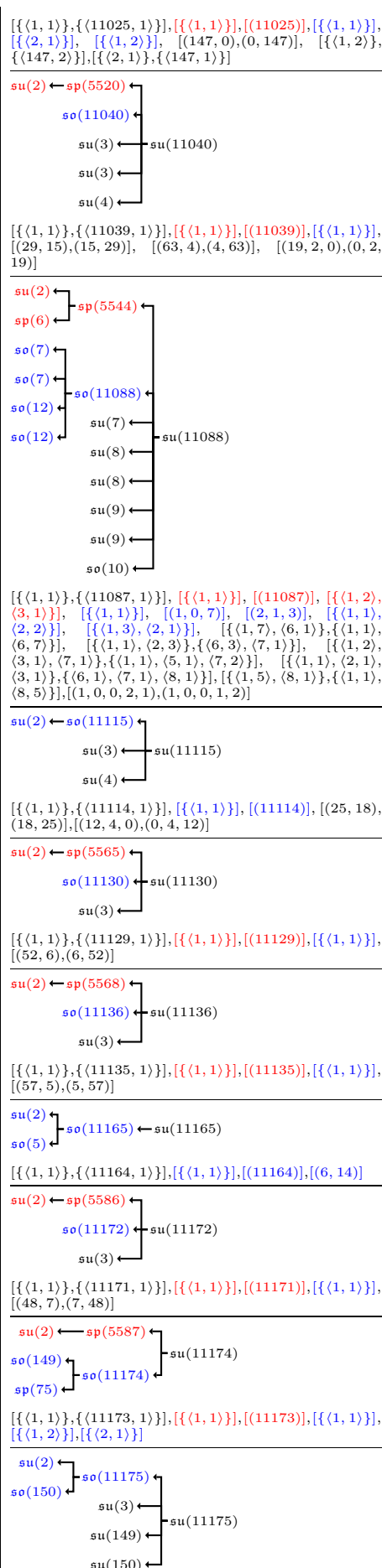
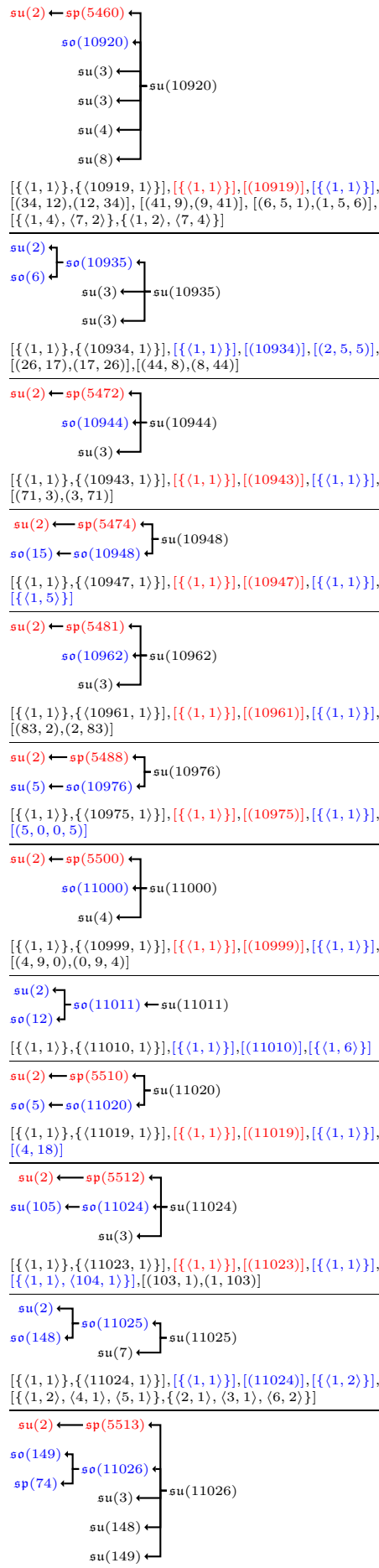
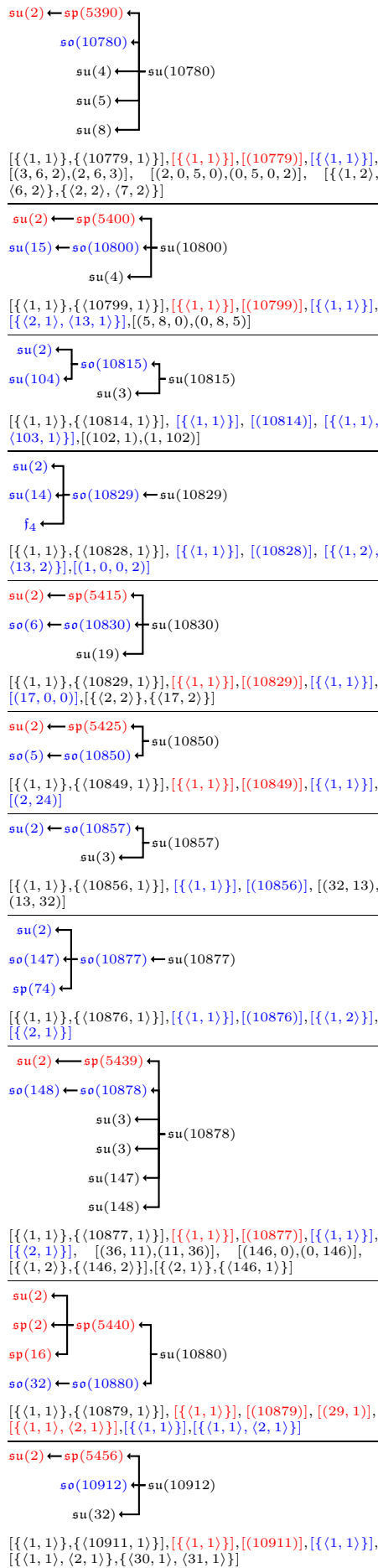


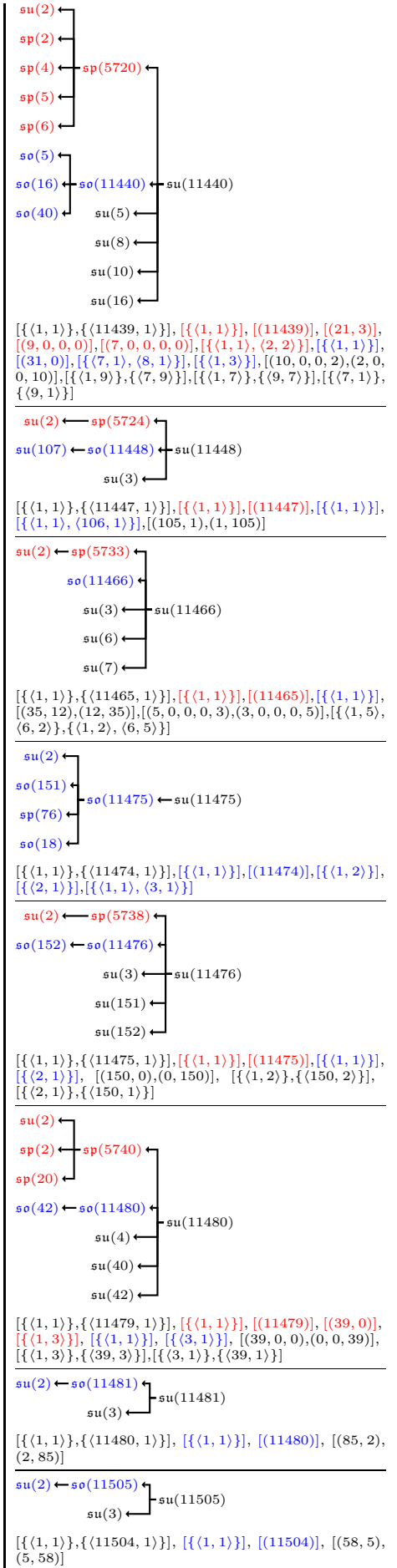
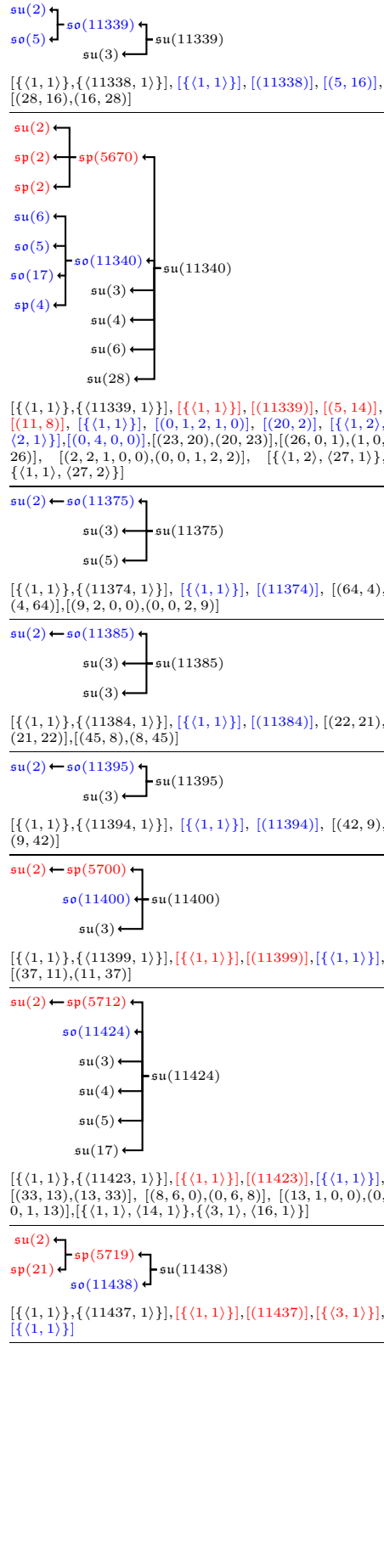
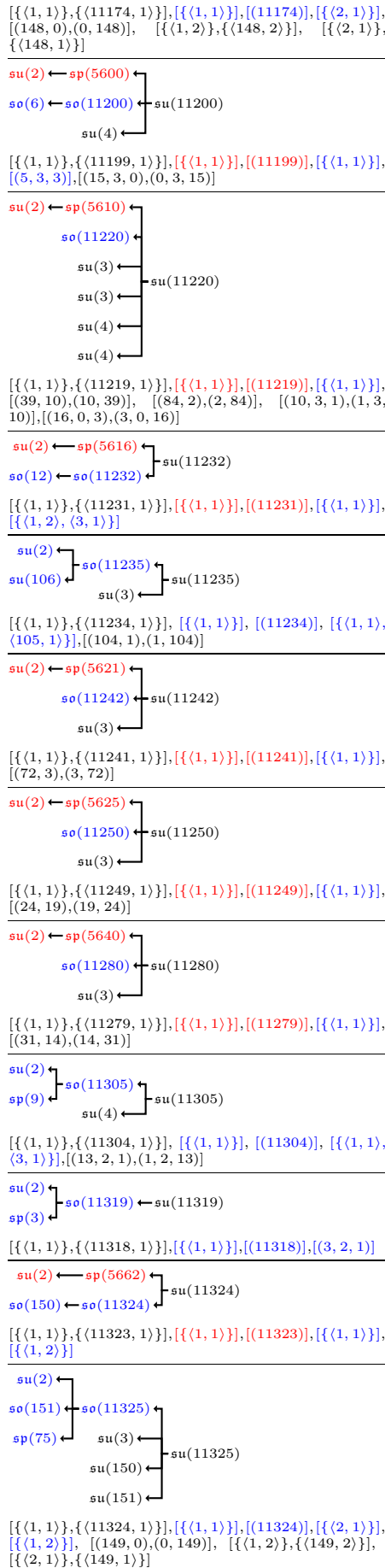












$su(2) \leftarrow sp(5760)$
 $so(15) \leftarrow so(11520)$
 $su(11520)$
 $\{ \{ (1, 1) \}, \{ (11519, 1) \}, \{ (1, 1) \}, \{ (11519) \}, \{ (1, 1) \}, \{ (2, 1) \}, \{ (7, 1) \} \}$

$su(2) \leftarrow so(11529)$
 $su(3) \leftarrow su(11529)$
 $\{ \{ (1, 1) \}, \{ (11528, 1) \}, \{ (1, 1) \}, \{ (11528) \}, \{ (53, 6), (6, 53) \} \}$

$su(2) \leftarrow sp(5772)$
 $so(11544) \leftarrow su(11544)$
 $su(3) \leftarrow su(11544)$
 $\{ \{ (1, 1) \}, \{ (11543, 1) \}, \{ (1, 1) \}, \{ (11543) \}, \{ (1, 1) \}, \{ (73, 3), (3, 73) \} \}$

$su(2) \leftarrow sp(5775)$
 $sp(3) \leftarrow so(11550)$
 $su(4) \leftarrow su(11550)$
 $su(5) \leftarrow su(11550)$
 $su(5) \leftarrow su(11550)$
 $su(6) \leftarrow su(11550)$
 $su(6) \leftarrow su(11550)$
 $su(10) \leftarrow su(11550)$
 $\{ \{ (1, 1) \}, \{ (11549, 1) \}, \{ (1, 1) \}, \{ (11549) \}, \{ (1, 1) \}, \{ (6, 2, 0) \}, \{ (20, 0, 2), (2, 0, 20) \}, \{ (0, 6, 1, 0), (0, 1, 6, 0) \}, \{ (3, 0, 3, 1), (1, 3, 0, 3) \}, \{ (5, 0, 3, 0), (0, 3, 0, 5) \}, \{ (4, 1, 0, 1, 0), (0, 1, 0, 1, 4) \}, \{ (4, 1, 1, 0, 0), (0, 0, 1, 1, 4) \}, \{ (1, 3), (9, 2) \}, \{ (1, 2), (9, 3) \} \}$

$su(2) \leftarrow so(11571)$
 $g_2 \leftarrow su(11571)$
 $\{ \{ (1, 1) \}, \{ (11570, 1) \}, \{ (1, 1) \}, \{ (11570) \}, \{ (0, 8) \} \}$

$su(2) \leftarrow so(11583)$
 $so(11) \leftarrow su(11583)$
 $\{ \{ (1, 1) \}, \{ (11582, 1) \}, \{ (1, 1) \}, \{ (11582) \}, \{ (0, 1, 0, 1, 0) \} \}$

$su(2) \leftarrow sp(5796)$
 $so(11592) \leftarrow su(11592)$
 $su(3) \leftarrow su(11592)$
 $\{ \{ (1, 1) \}, \{ (11591, 1) \}, \{ (1, 1) \}, \{ (11591) \}, \{ (1, 1) \}, \{ (27, 17), (17, 27) \} \}$

$su(2) \leftarrow sp(5800)$
 $so(11600) \leftarrow su(11600)$
 $su(3) \leftarrow su(11600)$
 $\{ \{ (1, 1) \}, \{ (11599, 1) \}, \{ (1, 1) \}, \{ (11599) \}, \{ (1, 1) \}, \{ (49, 7), (7, 49) \} \}$

$su(2) \leftarrow so(11627)$
 $so(152) \leftarrow su(11627)$
 $\{ \{ (1, 1) \}, \{ (11626, 1) \}, \{ (1, 1) \}, \{ (11626) \}, \{ (1, 2) \} \}$

$su(2) \leftarrow sp(5814)$
 $sp(3) \leftarrow so(11628)$
 $so(19) \leftarrow su(11628)$
 $so(153) \leftarrow su(11628)$
 $sp(3) \leftarrow su(11628)$
 $sp(76) \leftarrow su(11628)$
 $su(3) \leftarrow su(11628)$
 $su(6) \leftarrow su(11628)$
 $su(15) \leftarrow su(11628)$
 $su(19) \leftarrow su(11628)$
 $su(152) \leftarrow su(11628)$
 $su(17) \leftarrow su(11628)$
 $su(18) \leftarrow su(11628)$
 $\{ \{ (1, 1) \}, \{ (11627, 1) \}, \{ (1, 1) \}, \{ (11627) \}, \{ (0, 0, 7) \}, \{ (1, 1) \}, \{ (5, 1) \}, \{ (2, 1) \}, \{ (14, 0, 0) \}, \{ (1, 2) \} \}$

$\{ (151, 0), (0, 151) \}, \{ (14, 0, 0, 0, 0), (0, 0, 0, 0, 14) \}, \{ (1, 5) \}, \{ (14, 5) \}, \{ (5, 1) \}, \{ (14, 1) \}, \{ (1, 2) \}, \{ (151, 2) \}, \{ (2, 1) \}, \{ (151, 1) \}, \{ (1, 2), (2, 1) \}, \{ (15, 1), (16, 2) \}, \{ (1, 1), (3, 1) \}, \{ (15, 1), (17, 1) \} \}$

$su(2) \leftarrow sp(5824)$
 $sp(3) \leftarrow su(11648)$
 $sp(6) \leftarrow su(11648)$
 $so(14) \leftarrow su(11648)$
 $g_2 \leftarrow su(11648)$
 $\{ \{ (1, 1) \}, \{ (11647, 1) \}, \{ (1, 1) \}, \{ (11647) \}, \{ (9, 1, 0) \}, \{ (1, 3), (2, 1) \}, \{ (1, 1) \}, \{ (1, 1), (4, 1) \}, \{ (9, 1) \} \}$

$su(2) \leftarrow sp(5828)$
 $so(11656) \leftarrow su(11656)$
 $su(3) \leftarrow su(11656)$
 $\{ \{ (1, 1) \}, \{ (11655, 1) \}, \{ (1, 1) \}, \{ (11655) \}, \{ (1, 1) \}, \{ (30, 15), (15, 30) \} \}$

$su(2) \leftarrow so(11663)$
 $su(108) \leftarrow su(11663)$
 $su(3) \leftarrow su(11663)$
 $\{ \{ (1, 1) \}, \{ (11662, 1) \}, \{ (1, 1) \}, \{ (11662) \}, \{ (1, 1) \}, \{ (107, 1) \}, \{ (106, 1), (1, 106) \} \}$

$su(2) \leftarrow sp(5850)$
 $sp(2) \leftarrow so(11700)$
 $so(11700) \leftarrow su(11700)$
 $su(4) \leftarrow su(11700)$
 $\{ \{ (1, 1) \}, \{ (11699, 1) \}, \{ (1, 1) \}, \{ (11699) \}, \{ (1, 24) \}, \{ (1, 1) \}, \{ (2, 9, 1), (1, 9, 2) \} \}$

$su(2) \leftarrow sp(5852)$
 $so(7) \leftarrow so(11704)$
 $so(11704) \leftarrow su(11704)$
 $su(4) \leftarrow su(11704)$
 $\{ \{ (1, 1) \}, \{ (11703, 1) \}, \{ (1, 1) \}, \{ (11703) \}, \{ (1, 1) \}, \{ (6, 0, 2) \}, \{ (10, 0, 6), (6, 0, 10) \} \}$

$su(2) \leftarrow so(11715)$
 $so(11715) \leftarrow su(11715)$
 $su(3) \leftarrow su(11715)$
 $\{ \{ (1, 1) \}, \{ (11714, 1) \}, \{ (1, 1) \}, \{ (11714) \}, \{ (65, 4), (4, 65) \} \}$

$su(2) \leftarrow sp(5863)$
 $so(11726) \leftarrow su(11726)$
 $su(3) \leftarrow su(11726)$
 $\{ \{ (1, 1) \}, \{ (11725, 1) \}, \{ (1, 1) \}, \{ (11725) \}, \{ (1, 1) \}, \{ (40, 10), (10, 40) \} \}$

$su(2) \leftarrow so(11745)$
 $so(11745) \leftarrow su(11745)$
 $su(3) \leftarrow su(11745)$
 $su(4) \leftarrow su(11745)$
 $su(29) \leftarrow su(11745)$

$su(2) \leftarrow sp(5880)$
 $so(11760) \leftarrow su(11760)$
 $su(4) \leftarrow su(11760)$
 $su(6) \leftarrow su(11760)$
 $su(8) \leftarrow su(11760)$
 $\{ \{ (1, 1) \}, \{ (11759, 1) \}, \{ (1, 1) \}, \{ (11759) \}, \{ (1, 1) \}, \{ (8, 4, 1), (1, 4, 8) \}, \{ (2, 0, 2, 0, 1), (1, 0, 2, 0, 2) \}, \{ (1, 1), (4, 2) \}, \{ (4, 2), (7, 1) \} \}$

$su(2) \leftarrow sp(5890)$
 $so(153) \leftarrow so(11780)$
 $sp(77) \leftarrow su(11780)$
 $\{ \{ (1, 1) \}, \{ (11779, 1) \}, \{ (1, 1) \}, \{ (11779) \}, \{ (1, 1) \}, \{ (1, 2) \}, \{ (2, 1) \} \}$

$su(2) \leftarrow so(11781)$
 $so(154) \leftarrow su(11781)$
 $su(3) \leftarrow su(11781)$
 $su(4) \leftarrow su(11781)$
 $su(4) \leftarrow su(11781)$
 $su(153) \leftarrow su(11781)$
 $su(154) \leftarrow su(11781)$
 $\{ \{ (1, 1) \}, \{ (11780, 1) \}, \{ (1, 1) \}, \{ (11780) \}, \{ (2, 1) \}, \{ (152, 0), (0, 152) \}, \{ (10, 2, 2), (2, 2, 10) \}, \{ (10, 5, 0), (0, 5, 10) \}, \{ (1, 2) \}, \{ (152, 2) \}, \{ (2, 1) \}, \{ (152, 1) \} \}$

$su(2) \leftarrow so(11799)$
 $so(11799) \leftarrow su(11799)$
 $su(3) \leftarrow su(11799)$
 $\{ \{ (1, 1) \}, \{ (11798, 1) \}, \{ (1, 1) \}, \{ (11798) \}, \{ (26, 18), (18, 26) \} \}$

$su(2) \leftarrow sp(5922)$
 $so(11844) \leftarrow su(11844)$
 $su(3) \leftarrow su(11844)$
 $\{ \{ (1, 1) \}, \{ (11843, 1) \}, \{ (1, 1) \}, \{ (11843) \}, \{ (1, 1) \}, \{ (46, 8), (8, 46) \} \}$

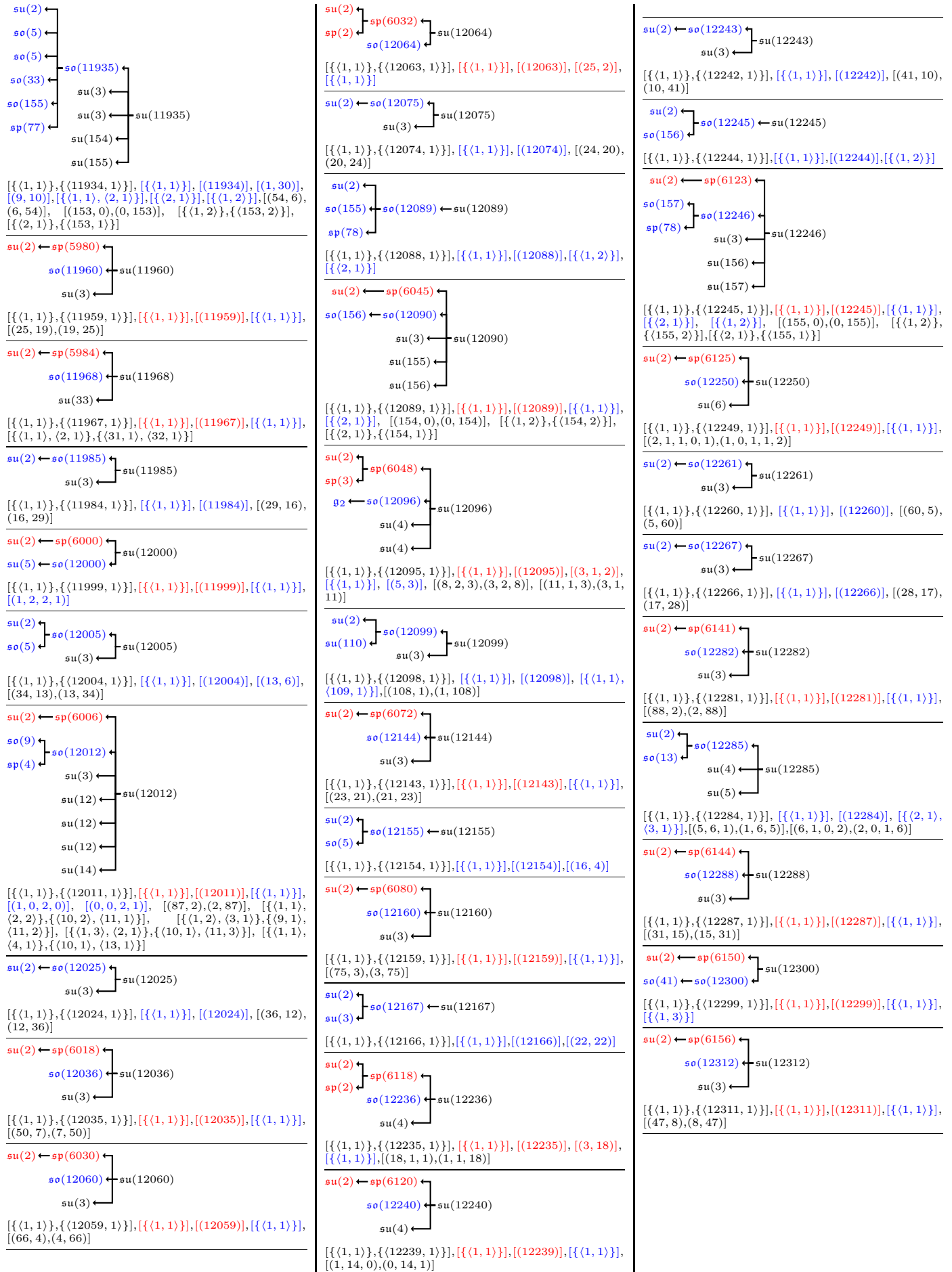
$su(2) \leftarrow sp(5925)$
 $so(11850) \leftarrow su(11850)$
 $su(3) \leftarrow su(11850)$
 $\{ \{ (1, 1) \}, \{ (11849, 1) \}, \{ (1, 1) \}, \{ (11849) \}, \{ (1, 1) \}, \{ (74, 3), (3, 74) \} \}$

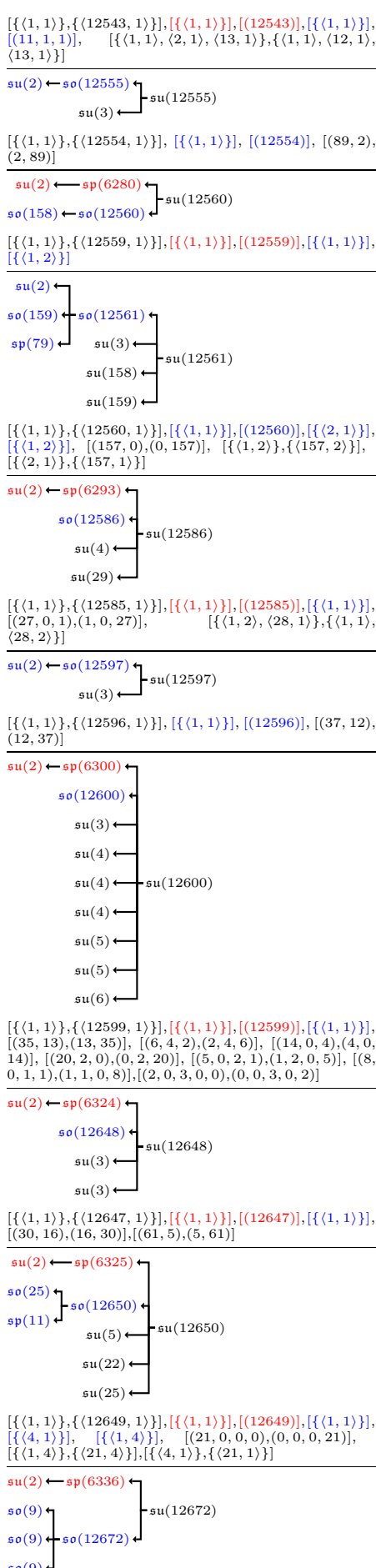
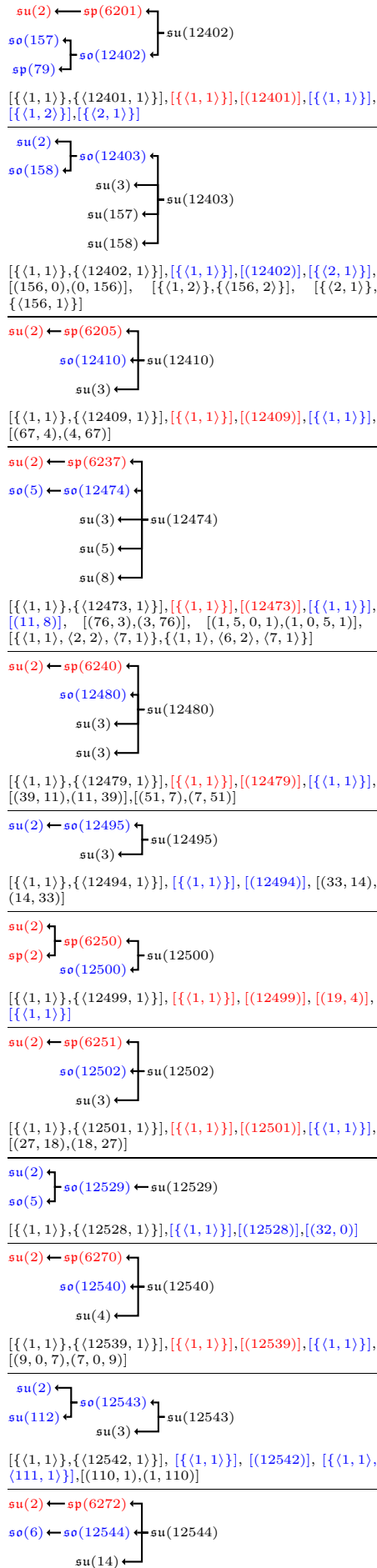
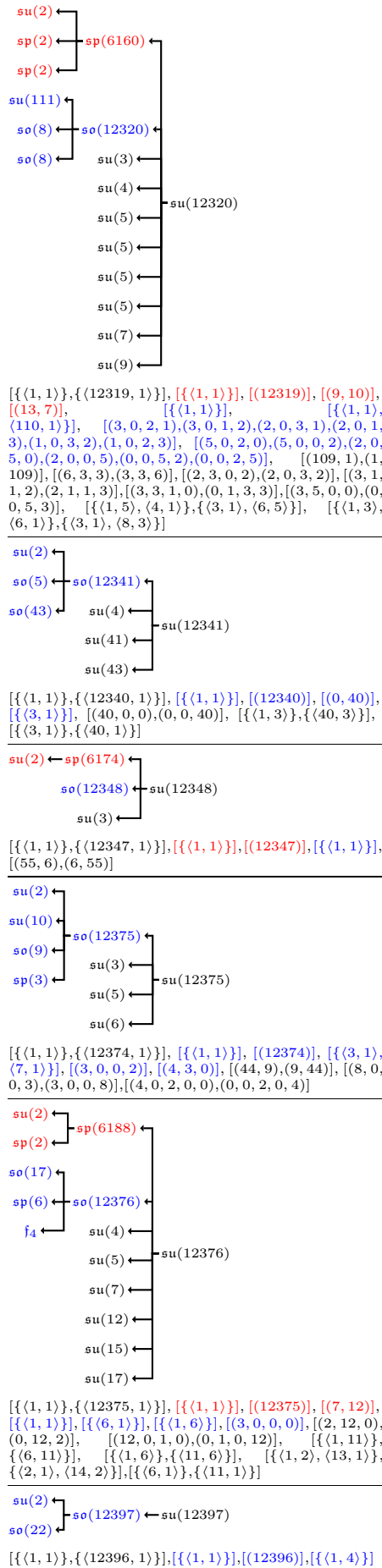
$su(2) \leftarrow sp(5940)$
 $so(11880) \leftarrow su(11880)$
 $su(3) \leftarrow su(11880)$
 $su(3) \leftarrow su(11880)$
 $su(3) \leftarrow su(11880)$
 $su(3) \leftarrow su(11880)$
 $su(5) \leftarrow su(11880)$
 $su(8) \leftarrow su(11880)$
 $su(8) \leftarrow su(11880)$
 $su(10) \leftarrow su(11880)$
 $\{ \{ (1, 1) \}, \{ (11879, 1) \}, \{ (1, 1) \}, \{ (11879) \}, \{ (1, 1) \}, \{ (1, 1) \}, \{ (108, 1) \}, \{ (32, 14), (14, 32) \}, \{ (43, 9), (9, 43) \}, \{ (59, 5), (5, 59) \}, \{ (107, 1), (1, 107) \}, \{ (2, 4, 0, 1), (1, 0, 4, 2) \}, \{ (1, 2), (5, 1), (7, 1) \}, \{ (1, 1), (3, 1), (7, 2) \}, \{ (1, 4), (3, 1) \}, \{ (5, 1), (7, 4) \}, \{ (1, 2), (5, 1) \}, \{ (5, 1), (9, 2) \} \}$

$su(2) \leftarrow sp(5950)$
 $so(11900) \leftarrow su(11900)$
 $su(4) \leftarrow su(11900)$
 $\{ \{ (1, 1) \}, \{ (11899, 1) \}, \{ (1, 1) \}, \{ (11899) \}, \{ (1, 1) \}, \{ (9, 1, 4), (4, 1, 9) \} \}$

$su(2) \leftarrow so(11907)$
 $so(11907) \leftarrow su(11907)$
 $su(6) \leftarrow su(11907)$
 $su(7) \leftarrow su(11907)$
 $\{ \{ (1, 1) \}, \{ (11906, 1) \}, \{ (1, 1) \}, \{ (11906) \}, \{ (2, 2, 0, 1, 0), (0, 1, 0, 2, 2) \}, \{ (1, 2), (3, 1), (5, 1) \}, \{ (2, 1), (4, 1), (6, 2) \} \}$

$su(2) \leftarrow sp(5967)$
 $so(154) \leftarrow so(11934)$
 $so(11934) \leftarrow su(11934)$
 $su(3) \leftarrow su(11934)$
 $\{ \{ (1, 1) \}, \{ (11933, 1) \}, \{ (1, 1) \}, \{ (11933) \}, \{ (1, 1) \}, \{ (1, 2) \}, \{ (38, 11), (11, 38) \} \}$





$\{ \{ (1, 1) \}, \{ (12671, 1) \}, \{ \{ (1, 1) \} \}, \{ (12671) \}, \{ (1, 1) \}, \{ (0, 1, 0, 3) \}, \{ (0, 1, 1, 1) \}, \{ (5, 0, 0, 1) \} \}$
 $su(2) \leftarrow sp(6345) \leftarrow so(12690) \leftarrow su(12690) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12689, 1) \}, \{ \{ (1, 1) \} \}, \{ (12689) \}, \{ (1, 1) \}, \{ (26, 19) \}, \{ (19, 26) \} \}$
 $su(2) \leftarrow so(159) \leftarrow so(12719) \leftarrow su(12719) \leftarrow sp(80)$

$\{ \{ (1, 1) \}, \{ (12718, 1) \}, \{ \{ (1, 1) \} \}, \{ (12718) \}, \{ (1, 2) \}, \{ (2, 1) \} \}$
 $su(2) \leftarrow sp(6360) \leftarrow so(160) \leftarrow so(12720) \leftarrow su(12720) \leftarrow su(3) \leftarrow su(159) \leftarrow su(160)$

$\{ \{ (1, 1) \}, \{ (12719, 1) \}, \{ \{ (1, 1) \} \}, \{ (12719) \}, \{ (1, 1) \}, \{ (2, 1) \}, \{ (158, 0) \}, \{ (0, 158) \}, \{ (1, 2) \}, \{ (158, 2) \}, \{ (2, 1) \}, \{ (158, 1) \} \}$
 $su(2) \leftarrow sp(6370) \leftarrow su(6) \leftarrow so(12740) \leftarrow su(12740) \leftarrow su(4)$

$\{ \{ (1, 1) \}, \{ (12739, 1) \}, \{ \{ (1, 1) \} \}, \{ (12739) \}, \{ (1, 1) \}, \{ (4, 0, 0, 4) \}, \{ (12, 0, 5) \}, \{ (5, 0, 12) \} \}$
 $su(2) \leftarrow sp(6375) \leftarrow so(12750) \leftarrow su(12750) \leftarrow su(4)$

$\{ \{ (1, 1) \}, \{ (12749, 1) \}, \{ \{ (1, 1) \} \}, \{ (12749) \}, \{ (1, 1) \}, \{ (14, 1, 2) \}, \{ (2, 1, 14) \} \}$
 $su(2) \leftarrow so(12765) \leftarrow su(12765) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12764, 1) \}, \{ \{ (1, 1) \} \}, \{ (12764) \}, \{ (68, 4) \}, \{ (4, 68) \} \}$
 $su(2) \leftarrow sp(6384) \leftarrow su(113) \leftarrow so(12768) \leftarrow su(12768) \leftarrow su(3) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12767, 1) \}, \{ \{ (1, 1) \} \}, \{ (12767) \}, \{ (1, 1) \}, \{ (1, 1) \}, \{ (112, 1) \}, \{ (56, 6) \}, \{ (6, 56) \}, \{ (111, 1) \}, \{ (1, 111) \} \}$
 $su(2) \leftarrow so(12771) \leftarrow su(12771) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12770, 1) \}, \{ \{ (1, 1) \} \}, \{ (12770) \}, \{ (42, 10) \}, \{ (10, 42) \} \}$
 $su(2) \leftarrow so(12789) \leftarrow su(12789) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12788, 1) \}, \{ \{ (1, 1) \} \}, \{ (12788) \}, \{ (48, 8) \}, \{ (8, 48) \} \}$
 $su(2) \leftarrow sp(6396) \leftarrow so(12792) \leftarrow su(12792) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12791, 1) \}, \{ \{ (1, 1) \} \}, \{ (12791) \}, \{ (1, 1) \}, \{ (77, 3) \}, \{ (3, 77) \} \}$
 $su(2) \leftarrow so(12825) \leftarrow su(12825) \leftarrow so(6)$

$\{ \{ (1, 1) \}, \{ (12824, 1) \}, \{ \{ (1, 1) \} \}, \{ (12824) \}, \{ (0, 8, 8) \} \}$
 $su(2) \leftarrow so(12831) \leftarrow su(12831) \leftarrow su(3) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12830, 1) \}, \{ \{ (1, 1) \} \}, \{ (12830) \}, \{ (25, 20) \}, \{ (20, 25) \}, \{ (90, 2) \}, \{ (2, 90) \} \}$

$su(2) \leftarrow sp(6417) \leftarrow so(5) \leftarrow so(12834) \leftarrow su(12834) \leftarrow \{ \{ (1, 1) \}, \{ (12833, 1) \}, \{ \{ (1, 1) \} \}, \{ (12833) \}, \{ (1, 1) \}, \{ (3, 22) \} \}$

$su(2) \leftarrow sp(6426) \leftarrow sp(3) \leftarrow so(12852) \leftarrow su(12852) \leftarrow \{ \{ (1, 1) \}, \{ (12851, 1) \}, \{ \{ (1, 1) \} \}, \{ (12851) \}, \{ (0, 1, 5) \}, \{ (1, 1) \} \}$

$su(2) \leftarrow sp(6435) \leftarrow su(16) \leftarrow so(10) \leftarrow so(12870) \leftarrow su(12870) \leftarrow su(4) \leftarrow su(9) \leftarrow su(11)$

$\{ \{ (1, 1) \}, \{ (12869, 1) \}, \{ \{ (1, 1) \} \}, \{ (12869) \}, \{ (1, 1) \}, \{ (8, 1) \}, \{ (4, 1, 0, 0, 0) \}, \{ (3, 8, 1) \}, \{ (1, 8, 3) \}, \{ (1, 8) \}, \{ (8, 8) \}, \{ (1, 1) \}, \{ (9, 2) \}, \{ (2, 2) \}, \{ (10, 1) \} \}$
 $su(2) \leftarrow so(160) \leftarrow so(12879) \leftarrow su(12879) \leftarrow \{ \{ (1, 1) \}, \{ (12878, 1) \}, \{ \{ (1, 1) \} \}, \{ (12878) \}, \{ (1, 2) \} \}$

$su(2) \leftarrow sp(6440) \leftarrow sp(2) \leftarrow so(161) \leftarrow sp(80) \leftarrow so(12880) \leftarrow su(12880) \leftarrow su(3) \leftarrow su(3) \leftarrow su(160) \leftarrow su(161)$

$\{ \{ (1, 1) \}, \{ (12879, 1) \}, \{ \{ (1, 1) \} \}, \{ (12879) \}, \{ (15, 6) \}, \{ (1, 1) \}, \{ (2, 1) \}, \{ (1, 2) \}, \{ (45, 9) \}, \{ (9, 45) \}, \{ (159, 0) \}, \{ (0, 159) \}, \{ (1, 2) \}, \{ (159, 2) \}, \{ (2, 1) \}, \{ (159, 1) \} \}$
 $su(2) \leftarrow sp(6460) \leftarrow so(12920) \leftarrow su(12920) \leftarrow su(5) \leftarrow su(16)$

$\{ \{ (1, 1) \}, \{ (12919, 1) \}, \{ \{ (1, 1) \} \}, \{ (12919) \}, \{ (1, 1) \}, \{ (14, 0, 0, 1) \}, \{ (1, 0, 0, 14) \}, \{ (1, 3) \}, \{ (15, 1) \}, \{ (1, 1) \}, \{ (15, 3) \} \}$
 $su(2) \leftarrow so(5) \leftarrow so(12925) \leftarrow su(12925) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12924, 1) \}, \{ \{ (1, 1) \} \}, \{ (12924) \}, \{ (21, 2) \}, \{ (24, 21) \}, \{ (21, 24) \} \}$
 $su(2) \leftarrow sp(6466) \leftarrow so(12932) \leftarrow su(12932) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12931, 1) \}, \{ \{ (1, 1) \} \}, \{ (12931) \}, \{ (1, 1) \}, \{ (52, 7) \}, \{ (7, 52) \} \}$
 $su(2) \leftarrow sp(6468) \leftarrow sp(4) \leftarrow so(8) \leftarrow so(12936) \leftarrow su(12936) \leftarrow su(3) \leftarrow su(6) \leftarrow su(6) \leftarrow su(7) \leftarrow su(7) \leftarrow su(8)$

$\{ \{ (1, 1) \}, \{ (12935, 1) \}, \{ \{ (1, 1) \} \}, \{ (12935) \}, \{ (3, 2, 0, 0) \}, \{ (1, 1) \}, \{ (2, 1, 1, 1) \}, \{ (1, 1, 2, 1) \}, \{ (1, 1, 1, 2) \}, \{ (32, 15) \}, \{ (15, 32) \}, \{ (3, 0, 1, 0, 2) \}, \{ (2, 0, 1, 0, 3) \}, \{ (3, 2, 0, 0, 0) \}, \{ (1, 1) \}, \{ (2, 1) \}, \{ (1, 1) \}, \{ (1, 1) \}, \{ (1, 1) \}, \{ (7, 7, 0) \}, \{ (0, 7, 7) \} \}$

$\{ (1, 0, 0, 2, 3) \}, \{ \{ (1, 2) \}, \{ (2, 3) \}, \{ (5, 3) \}, \{ (6, 2) \} \}, \{ \{ (1, 3) \}, \{ (3, 1) \}, \{ (6, 1) \}, \{ (1, 1) \}, \{ (4, 1) \}, \{ (6, 3) \} \}, \{ \{ (1, 6) \}, \{ (7, 1) \}, \{ (1, 1) \}, \{ (7, 6) \} \}$
 $su(2) \leftarrow sp(6480) \leftarrow sp(2) \leftarrow so(12960) \leftarrow su(12960) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12959, 1) \}, \{ \{ (1, 1) \} \}, \{ (12959) \}, \{ (17, 5) \}, \{ \{ (1, 1) \} \}, \{ (29, 17) \}, \{ (17, 29) \} \}$
 $su(2) \leftarrow sp(6486) \leftarrow so(12972) \leftarrow su(12972) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12971, 1) \}, \{ \{ (1, 1) \} \}, \{ (12971) \}, \{ (1, 1) \}, \{ (23, 22) \}, \{ (22, 23) \} \}$
 $su(2) \leftarrow so(114) \leftarrow so(12995) \leftarrow su(12995) \leftarrow su(3)$

$\{ \{ (1, 1) \}, \{ (12994, 1) \}, \{ \{ (1, 1) \} \}, \{ (12994) \}, \{ (1, 1) \}, \{ (113, 1) \}, \{ (112, 1) \}, \{ (1, 112) \} \}$
 $su(2) \leftarrow sp(6500) \leftarrow so(13000) \leftarrow su(13000) \leftarrow su(4)$

$\{ \{ (1, 1) \}, \{ (12999, 1) \}, \{ \{ (1, 1) \} \}, \{ (12999) \}, \{ (1, 1) \}, \{ (4, 7, 1) \}, \{ (1, 7, 4) \} \}$
 $so(7) \leftarrow so(8) \leftarrow so(13013) \leftarrow su(13013) \leftarrow su(2) \leftarrow su(13)$

$\{ \{ (1, 1) \}, \{ (13012, 1) \}, \{ \{ (1, 1) \} \}, \{ (13012) \}, \{ (10, 0, 0, 0) \}, \{ (0, 0, 10, 0) \}, \{ (0, 0, 0, 10) \}, \{ (0, 0, 10) \}, \{ (2, 1) \}, \{ (3, 1) \}, \{ (10, 1) \}, \{ (11, 1) \} \}$
 $su(2) \leftarrow sp(6510) \leftarrow so(13020) \leftarrow su(13020) \leftarrow su(4) \leftarrow su(30)$

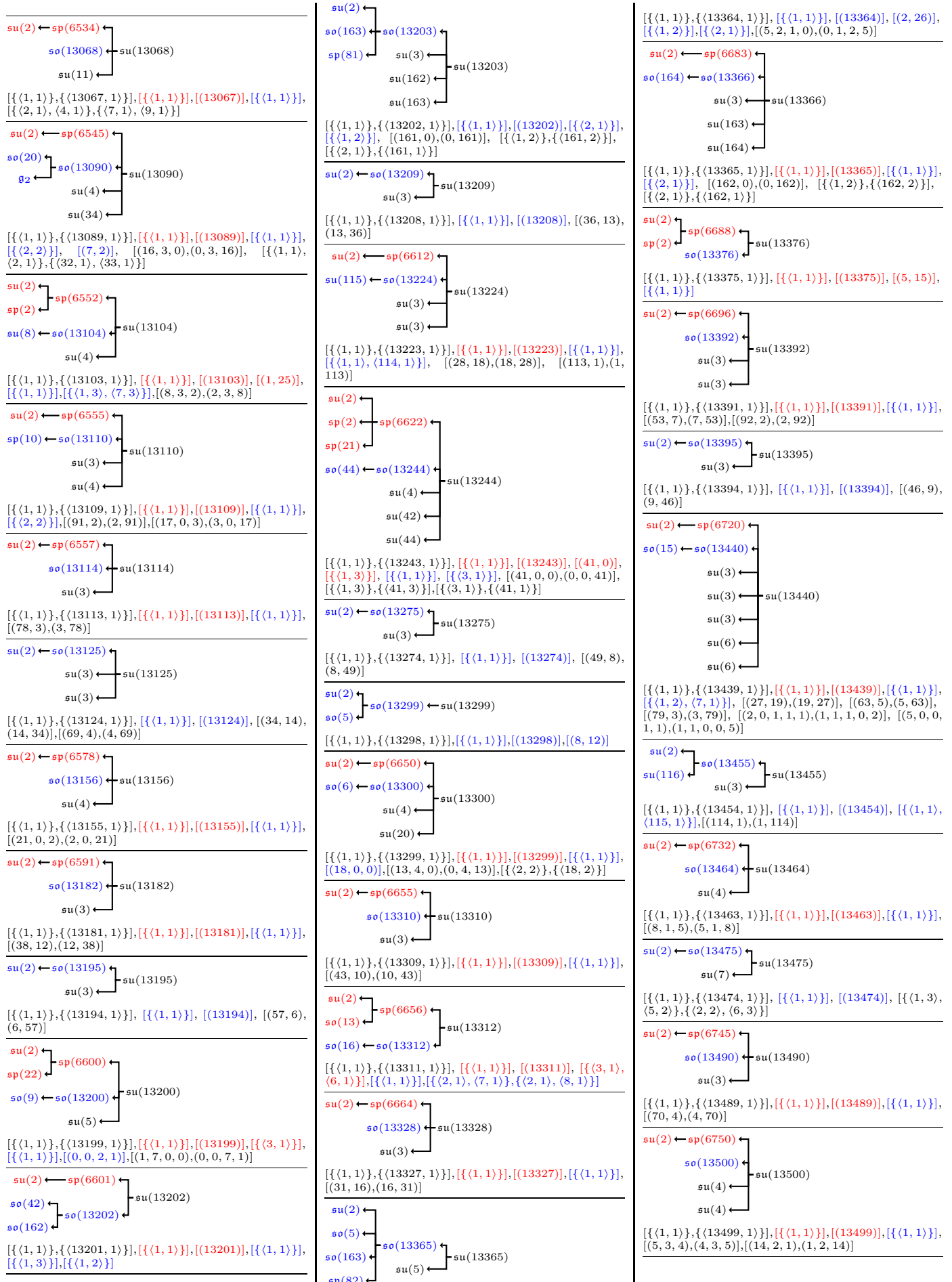
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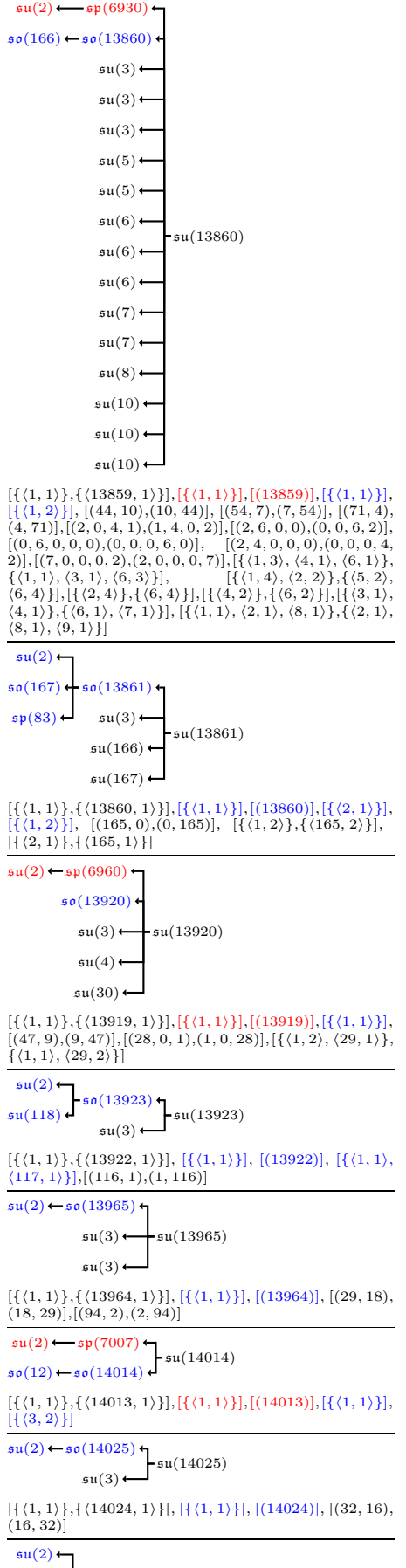
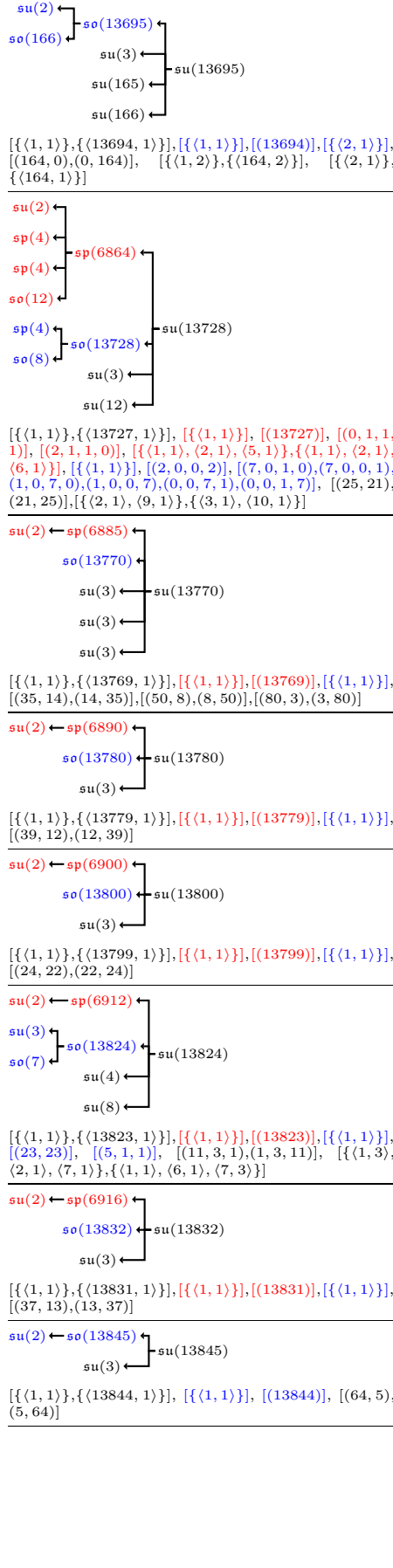
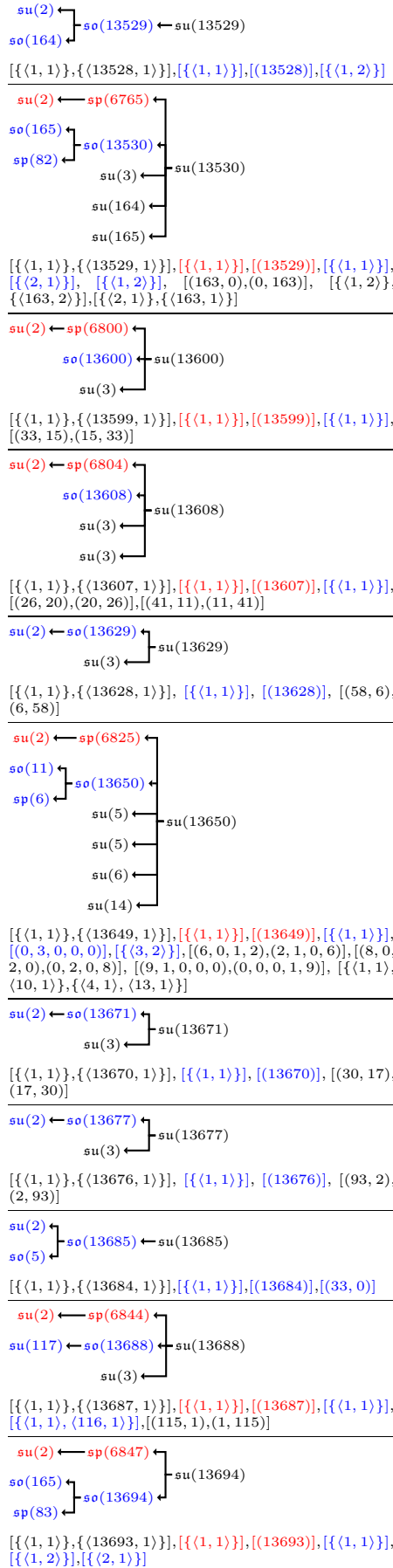
$\{ \{ (1, 1) \}, \{ (13037, 1) \}, \{ \{ (1, 1) \} \}, \{ (13037) \}, \{ (1, 1) \}, \{ (40, 11) \}, \{ (11, 40) \} \}$
 $so(161) \leftarrow sp(81) \leftarrow so(13040) \leftarrow su(13040) \leftarrow su(2) \leftarrow sp(6520)$

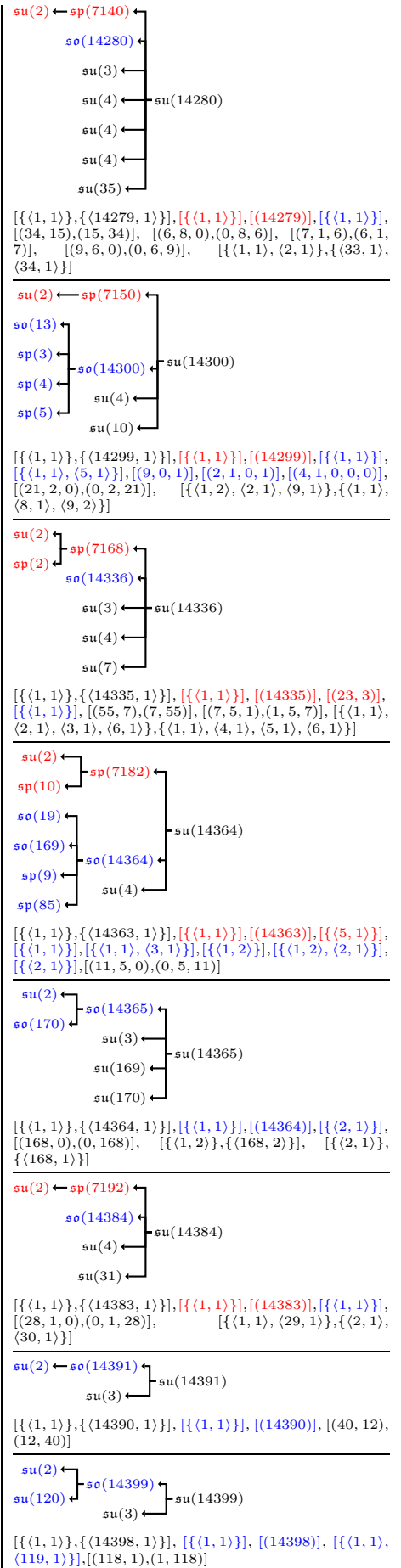
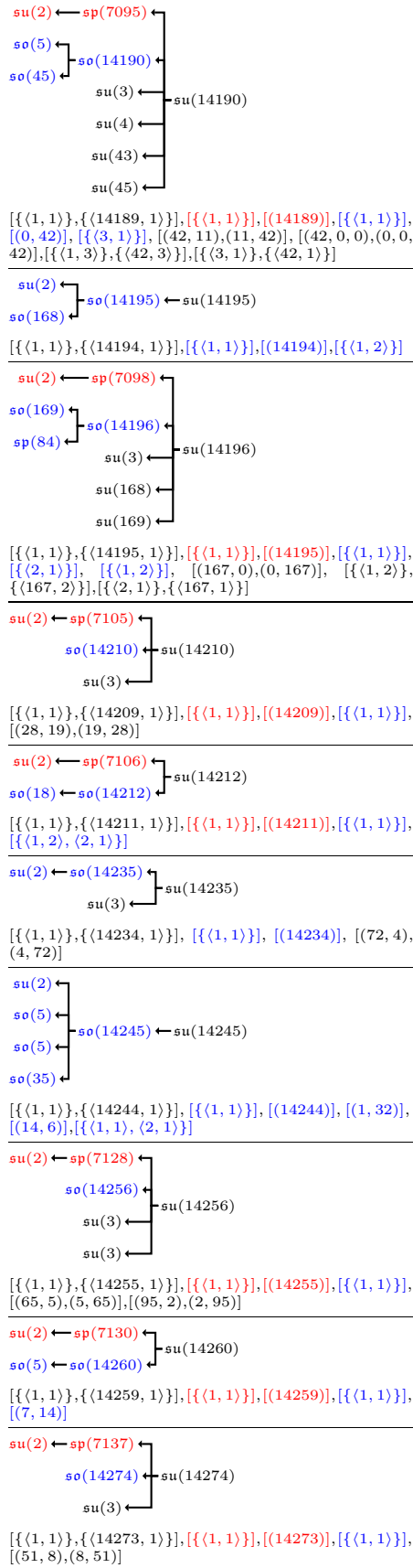
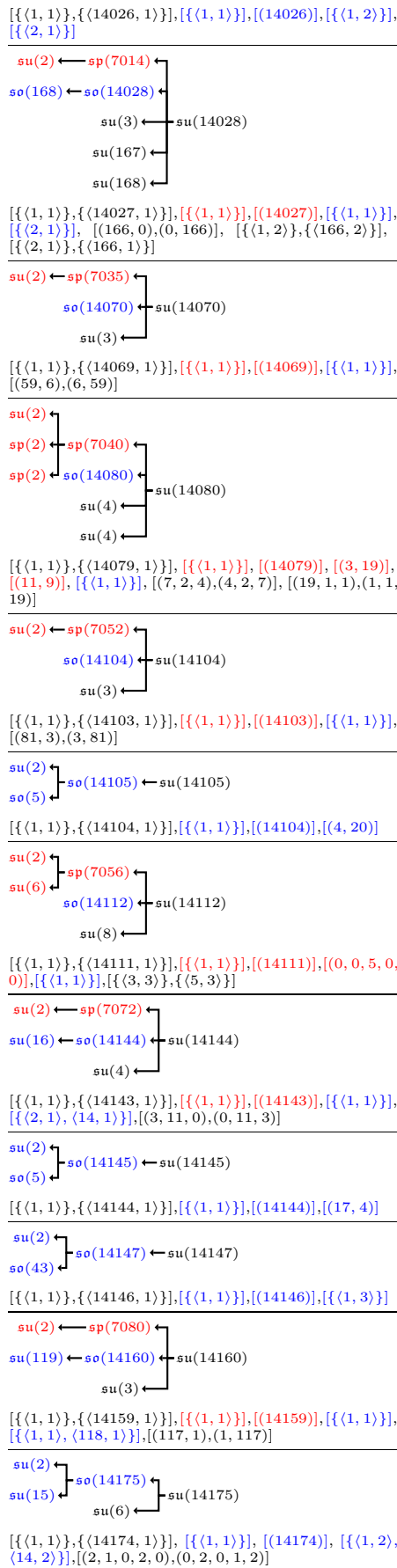
$\{ \{ (1, 1) \}, \{ (13039, 1) \}, \{ \{ (1, 1) \} \}, \{ (13039) \}, \{ (1, 1) \}, \{ (1, 2) \}, \{ (2, 1) \} \}$
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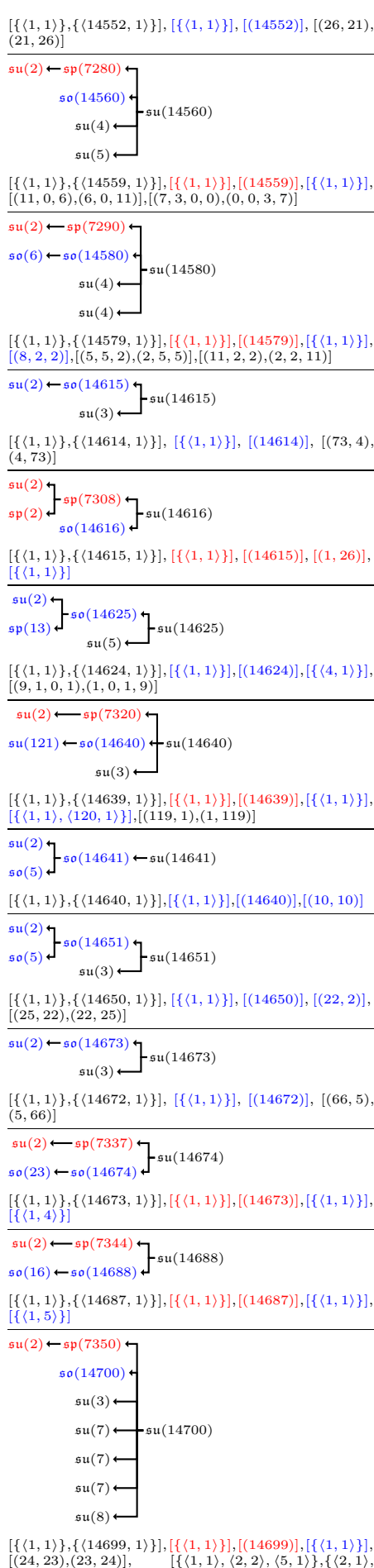
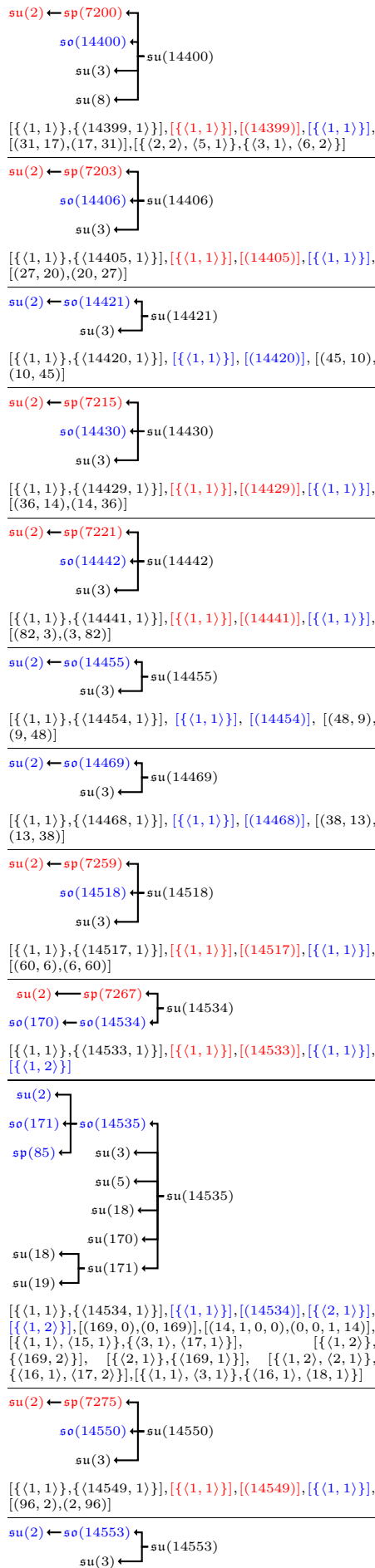
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 $su(2) \leftarrow sp(6528) \leftarrow sp(17) \leftarrow so(34) \leftarrow so(13056) \leftarrow su(13056) \leftarrow su(2) \leftarrow su(4)$

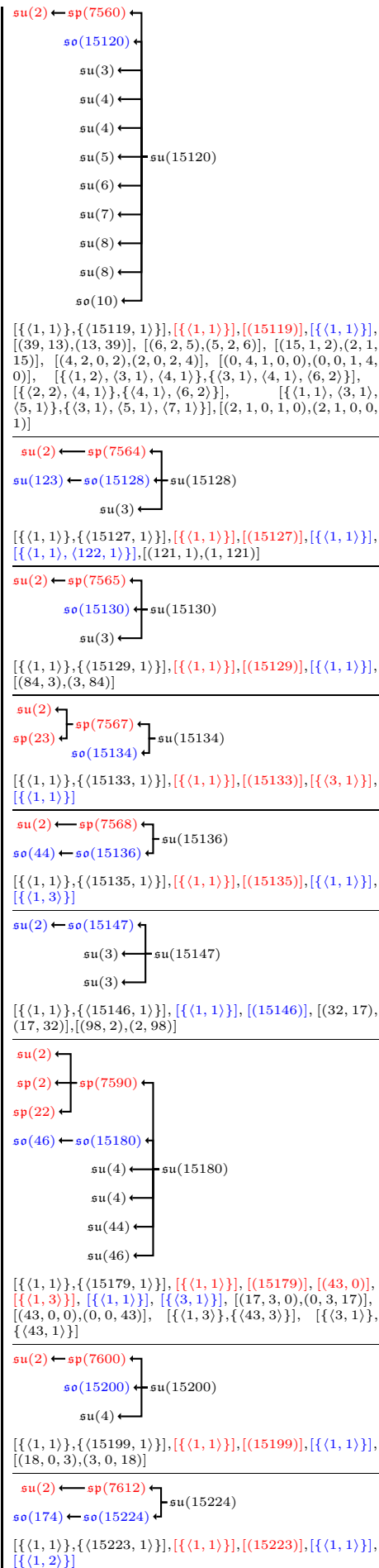
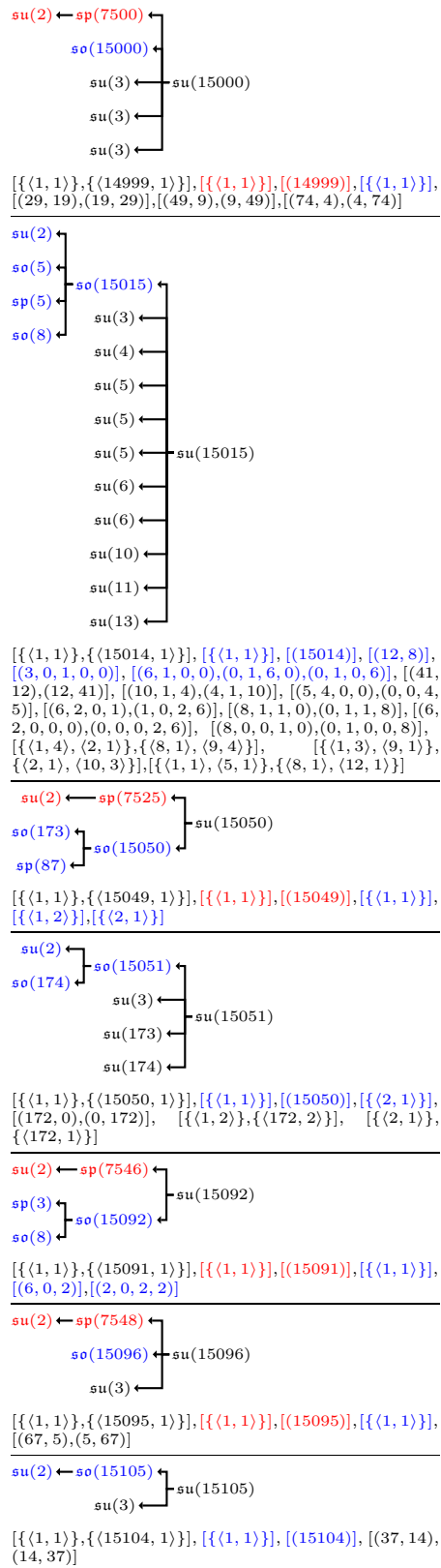
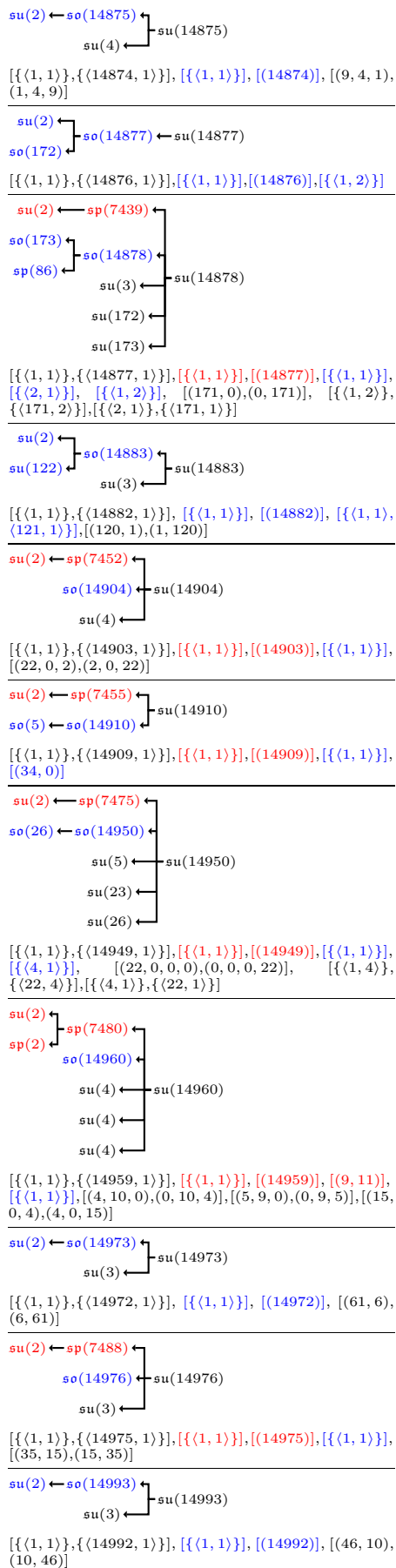
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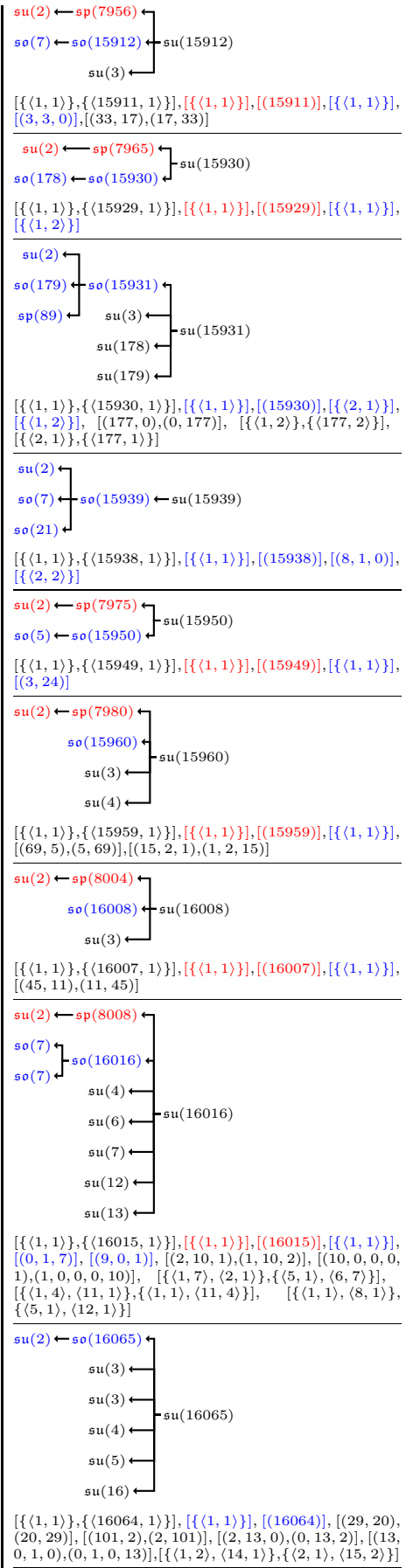
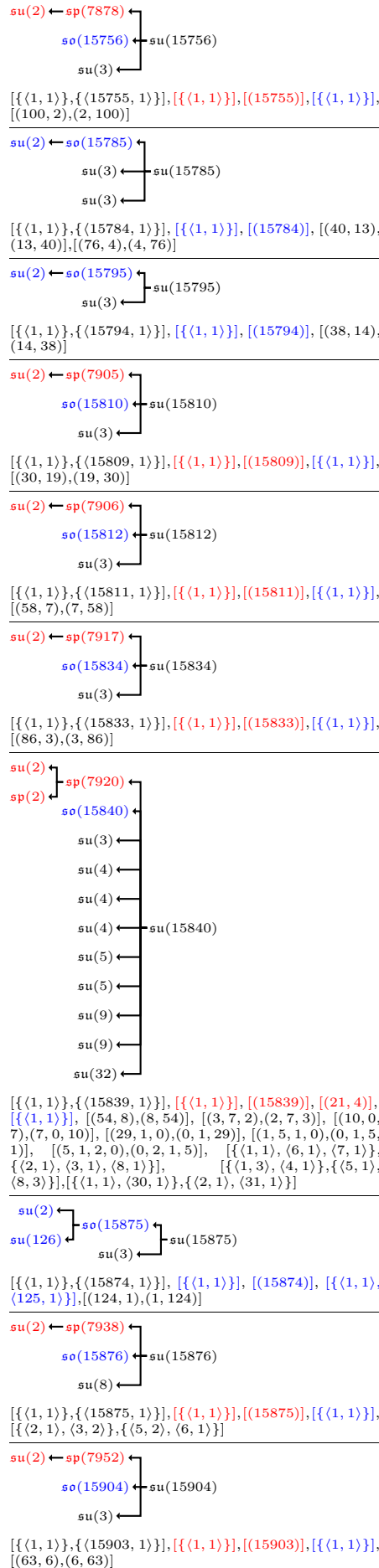
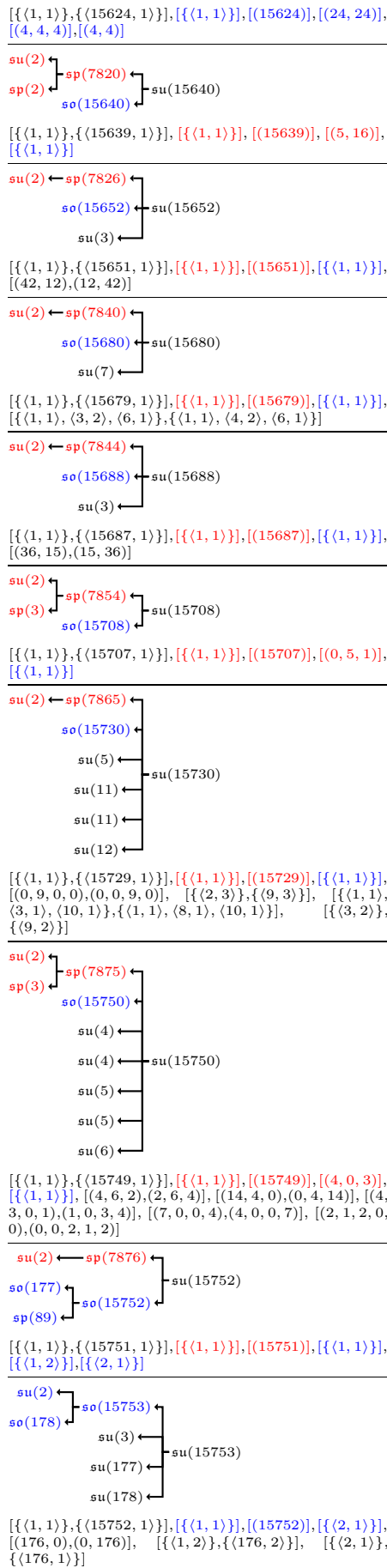


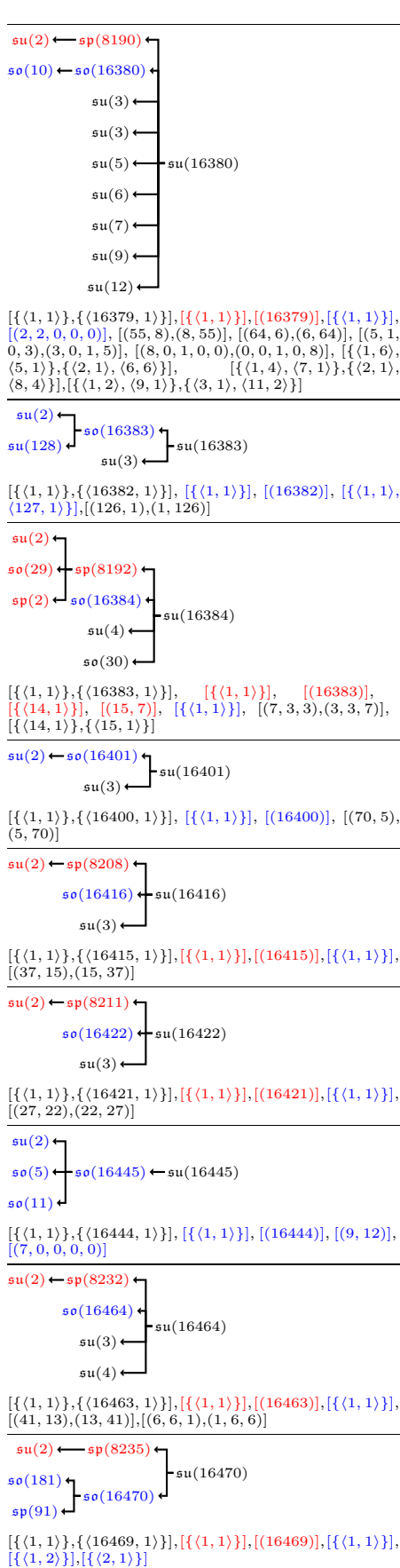
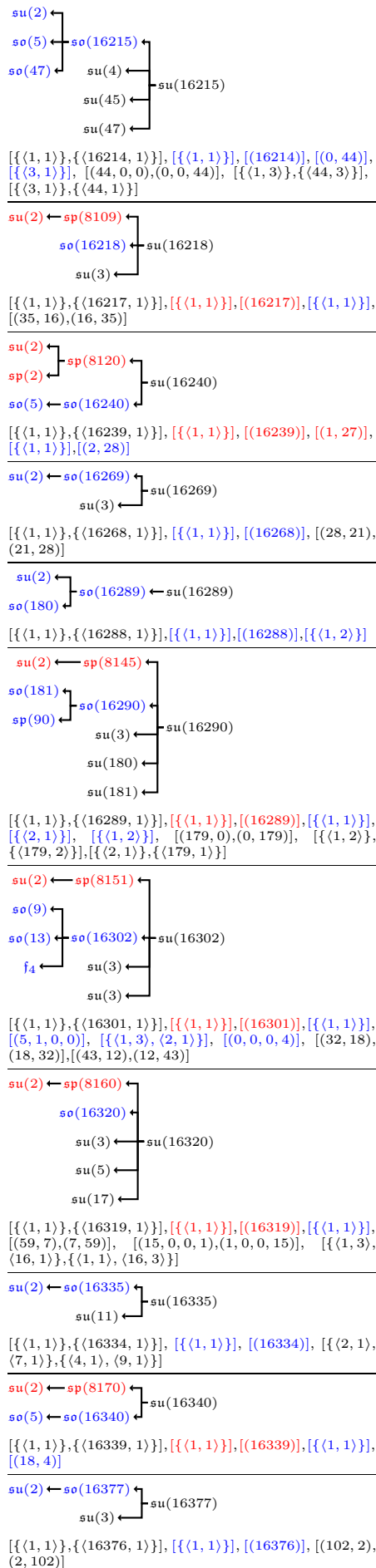
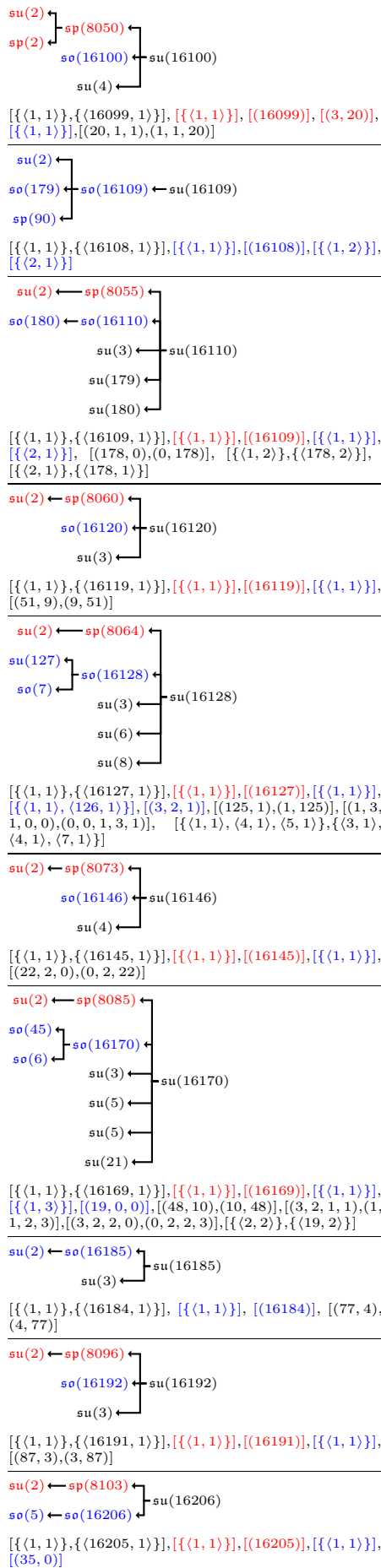


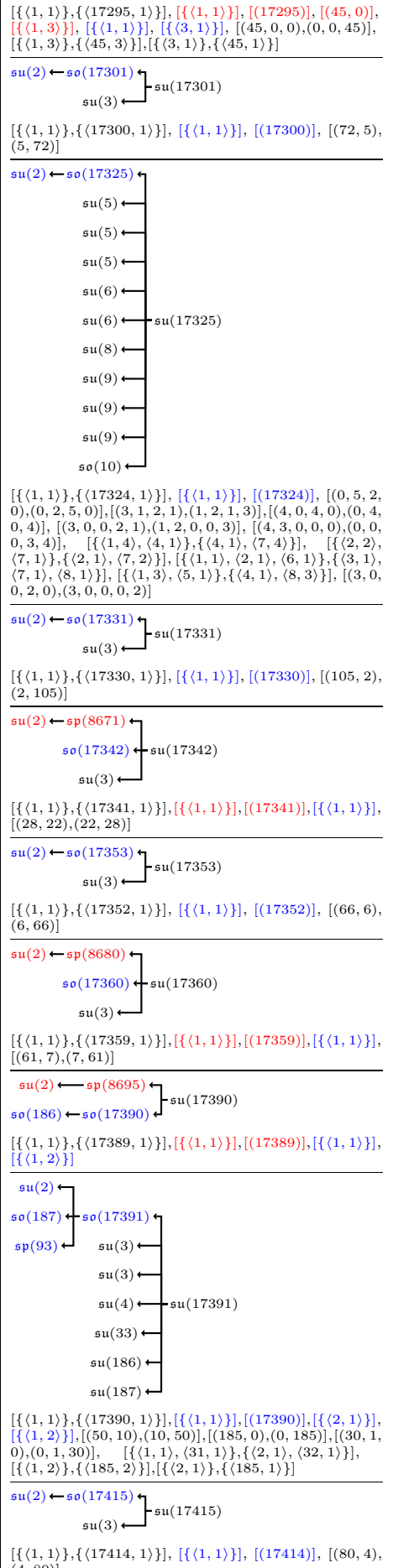
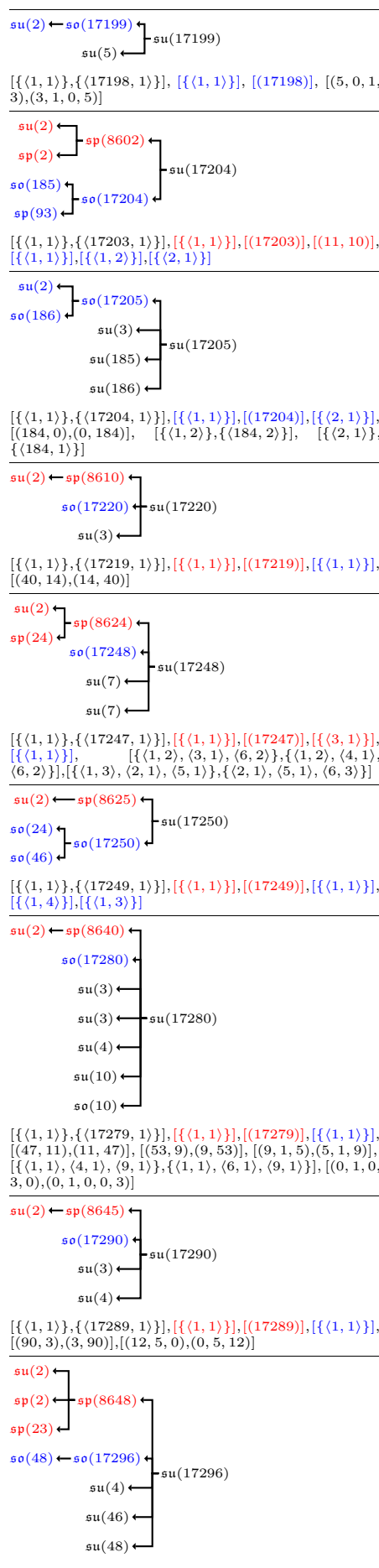
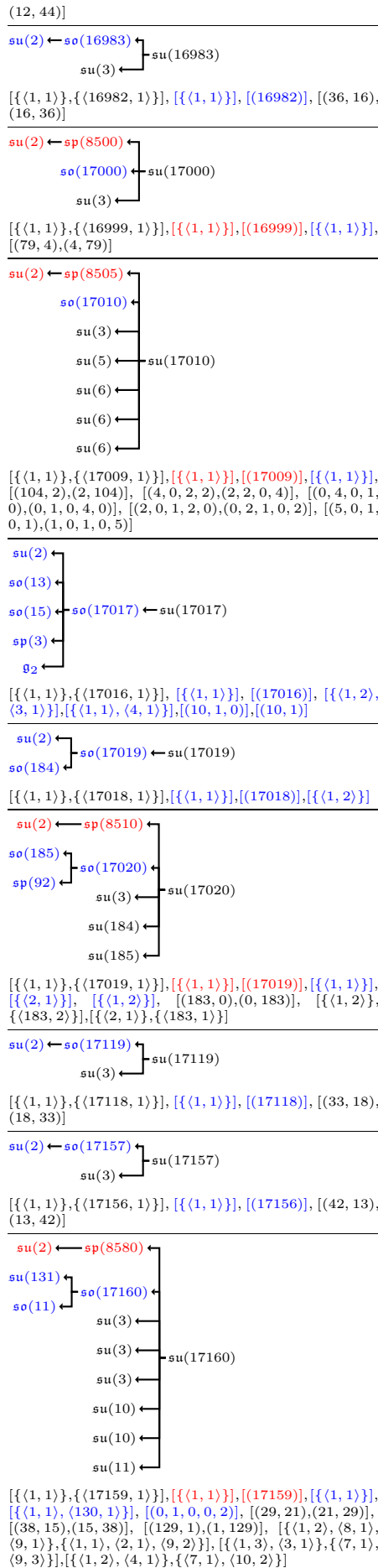






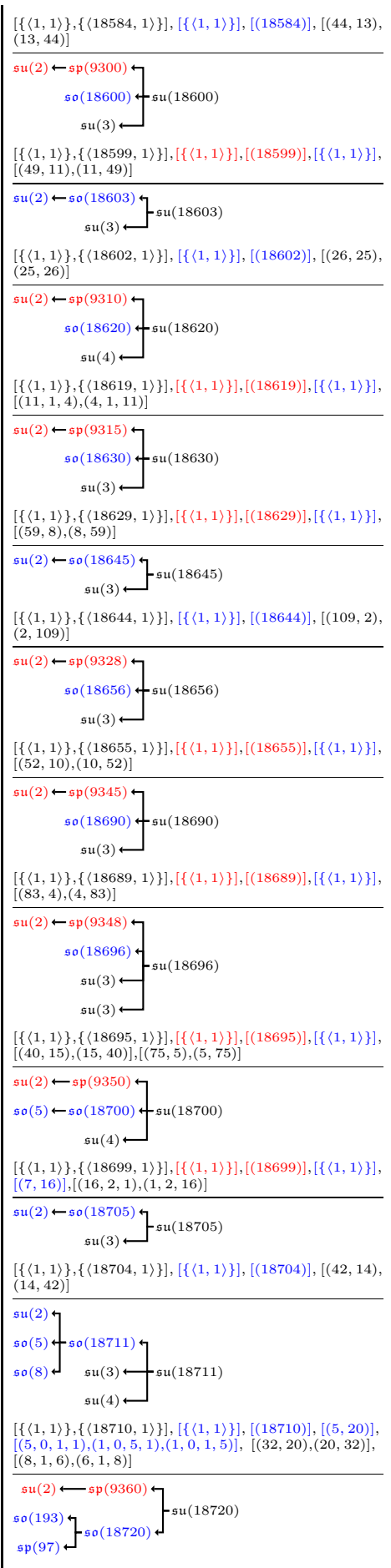
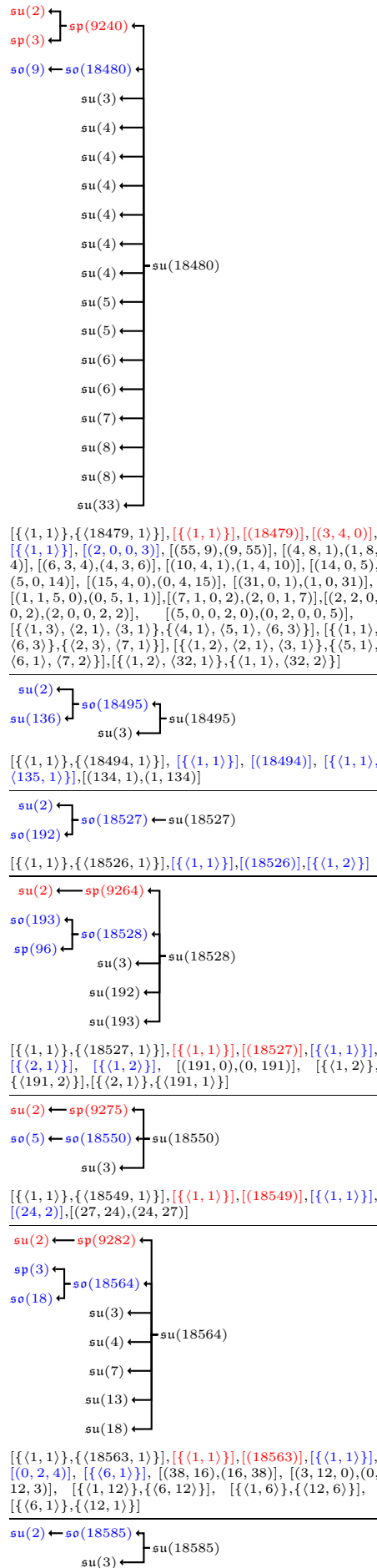
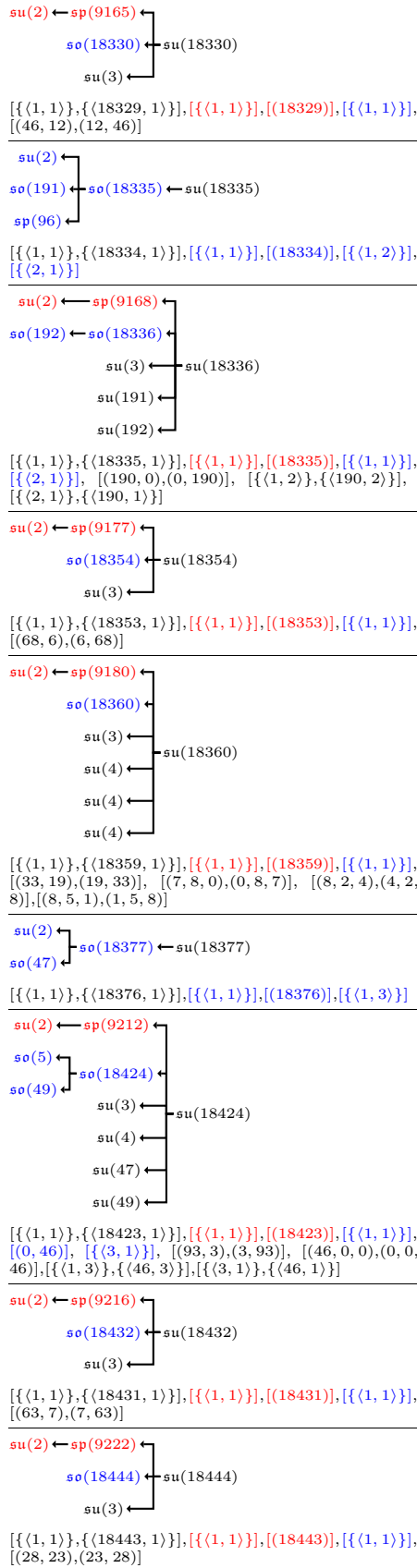


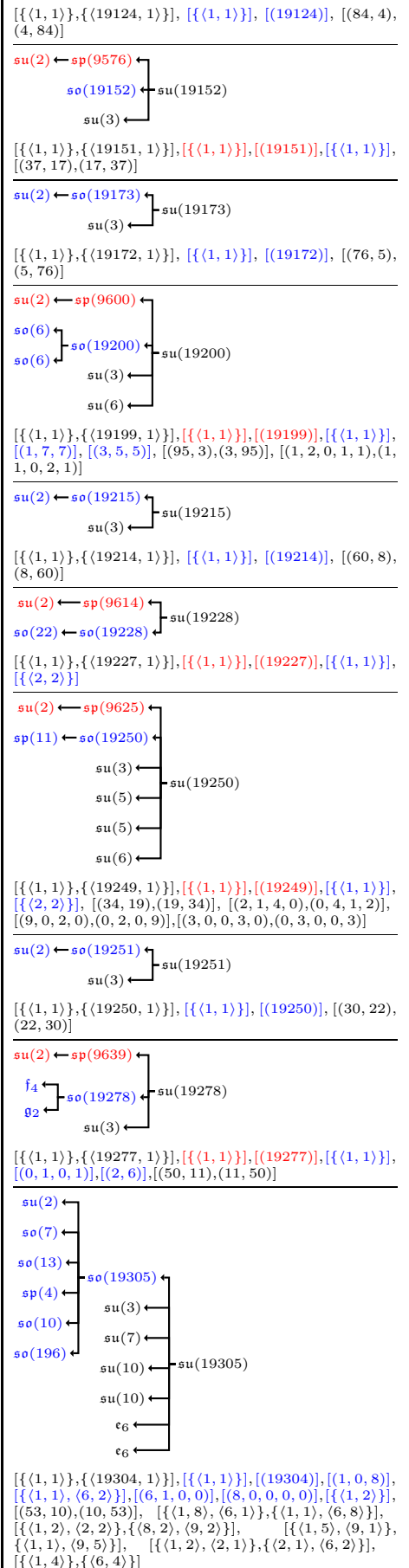
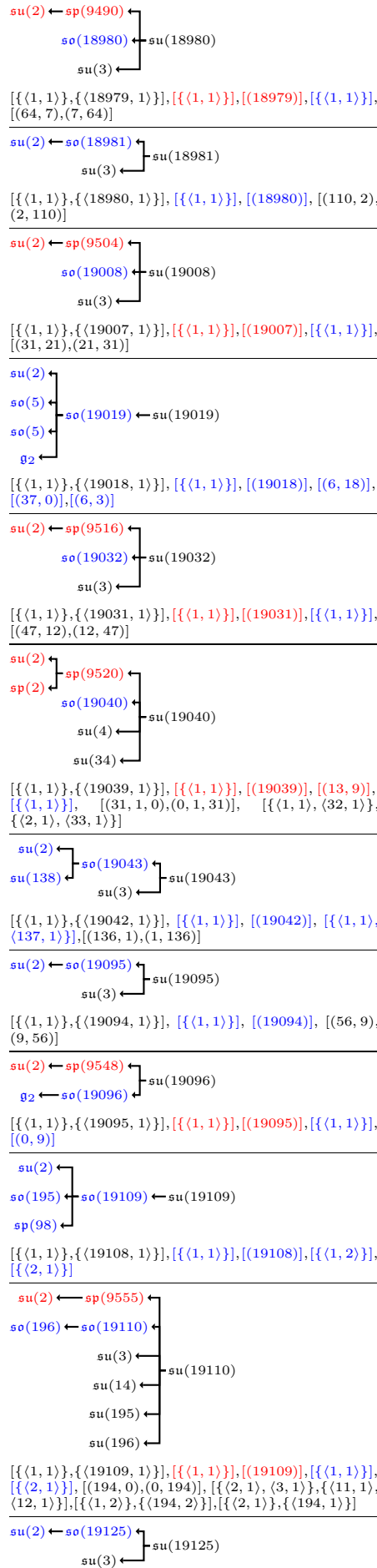
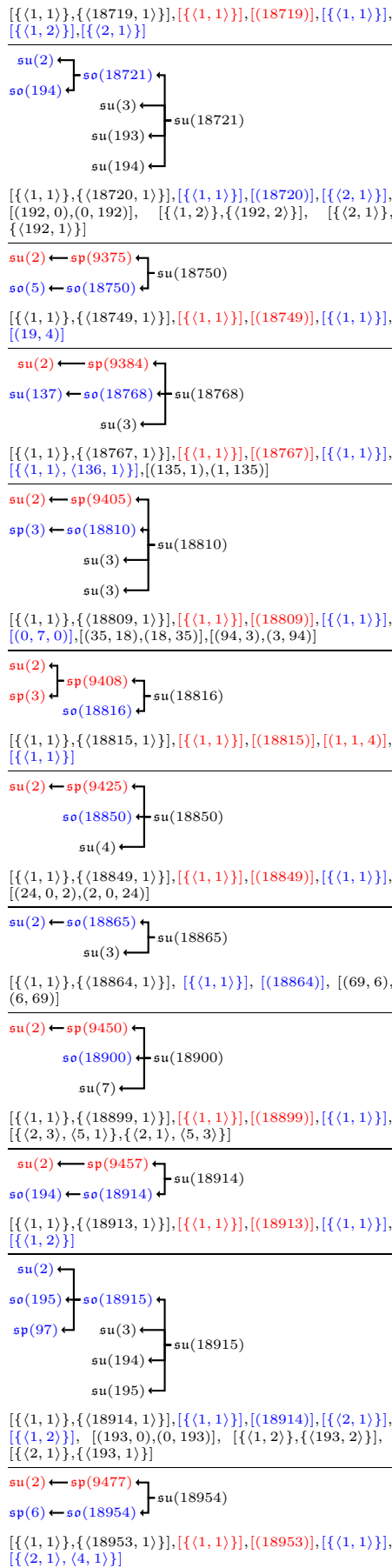


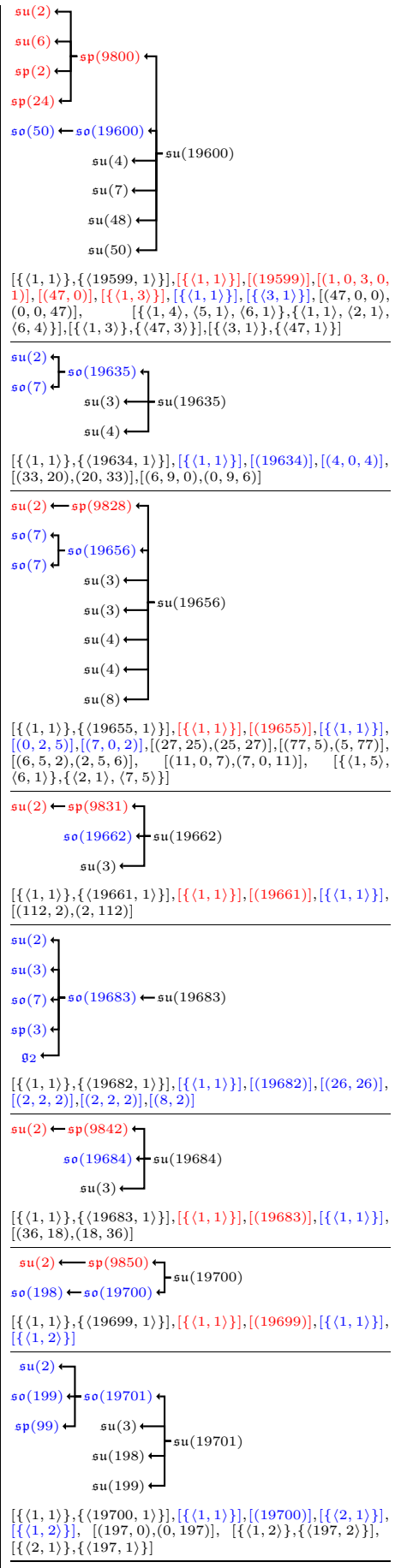
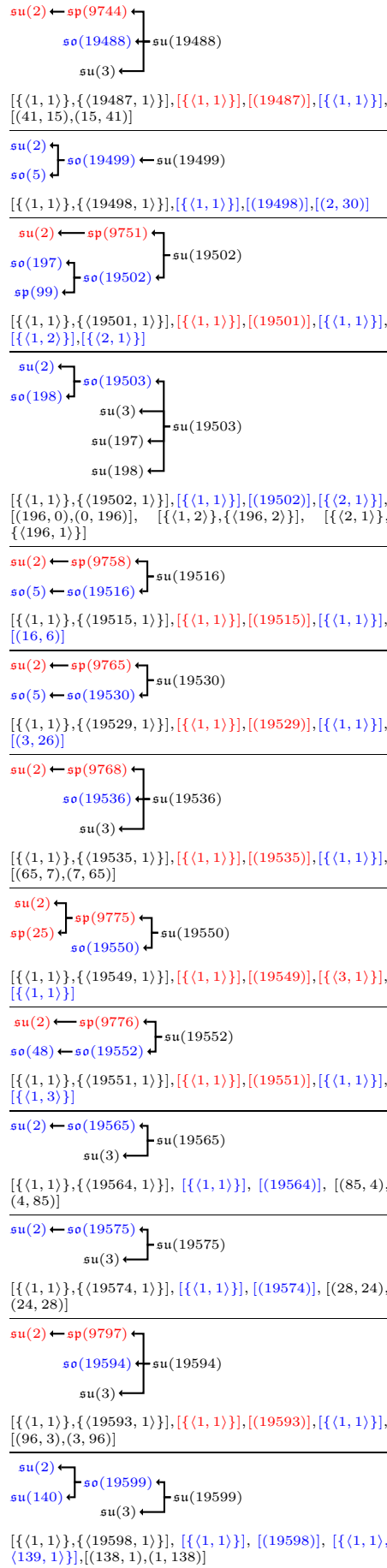
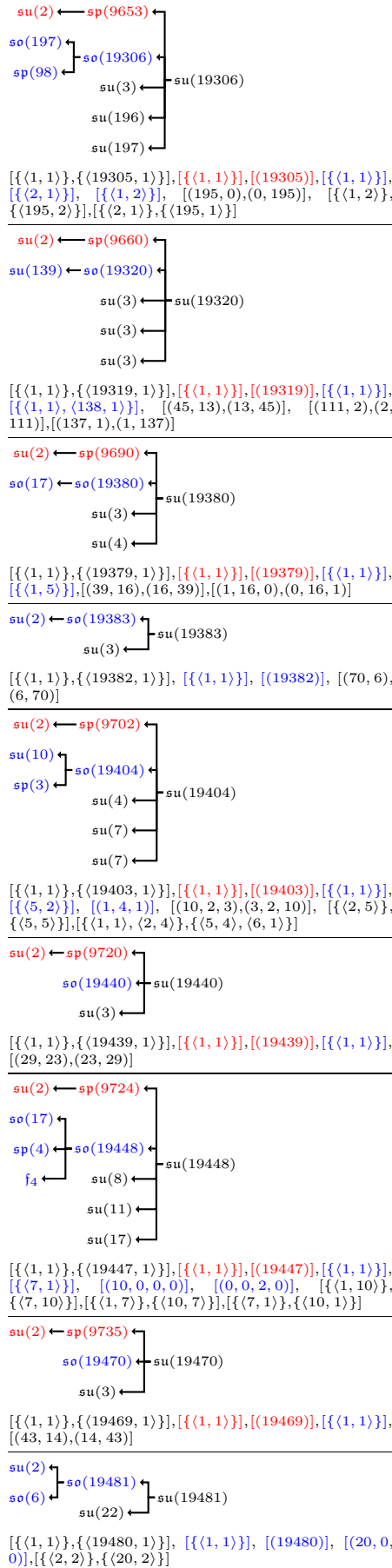


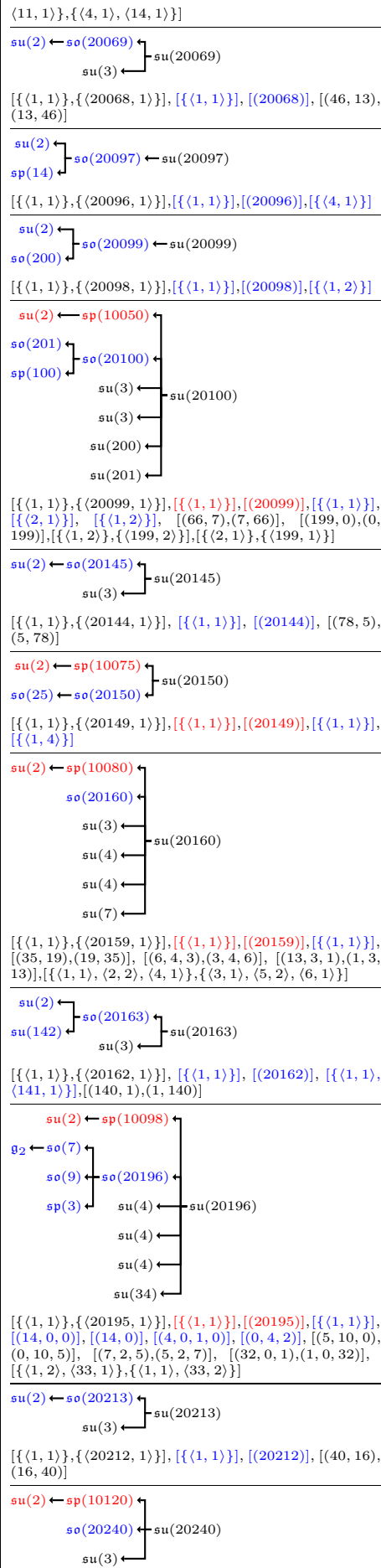
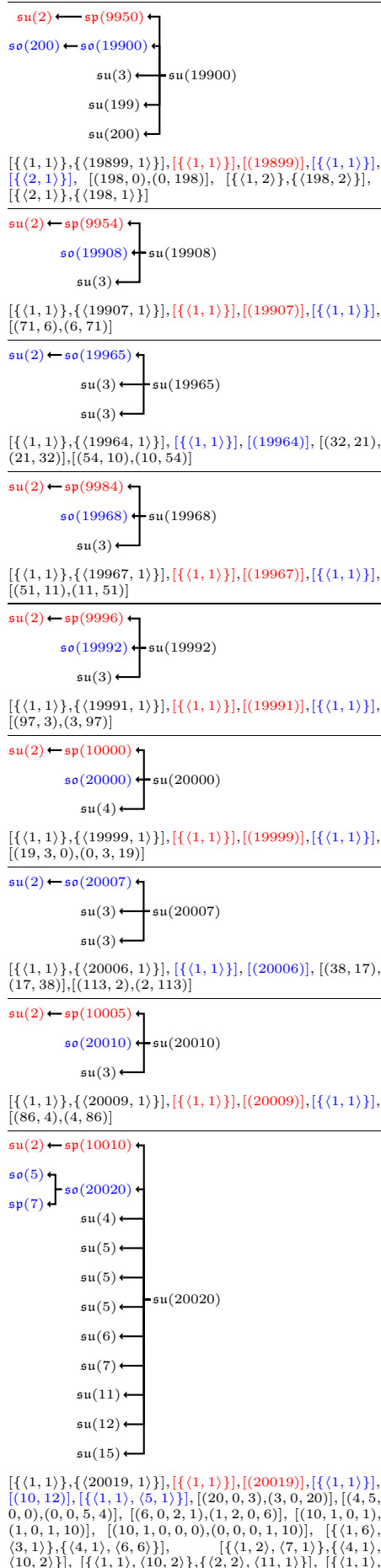
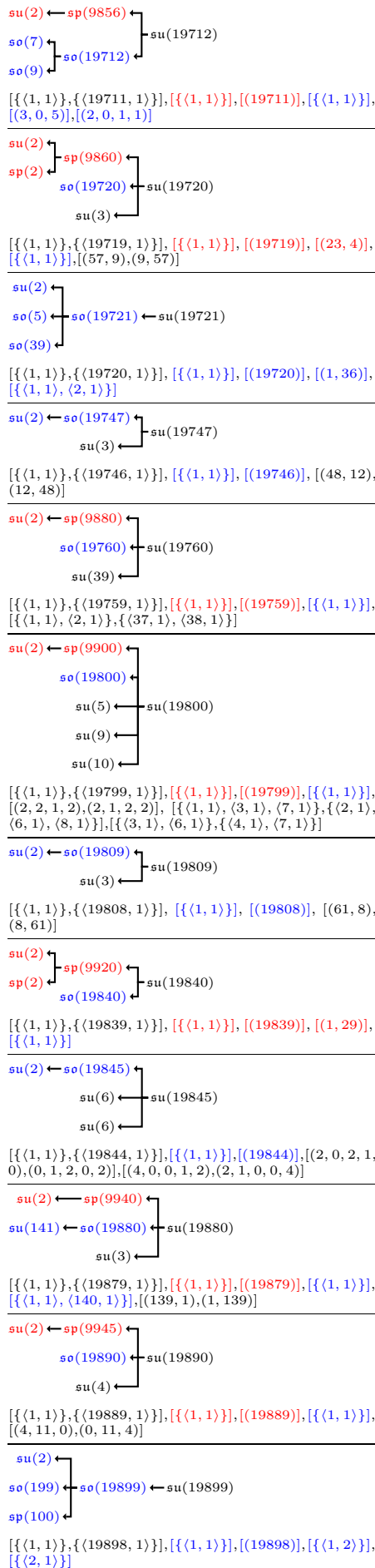
$\begin{array}{c} \text{su}(2) \\ \swarrow \searrow \\ \text{su}(132) \quad \text{so}(17423) \\ \swarrow \searrow \\ \text{su}(3) \end{array}$ <p> $\{ \{ (1, 1), \{ (17422, 1) \} \}, \{ (1, 1) \}, \{ (17422) \}, \{ (1, 1), (131, 1) \}, \{ (130, 1), (1, 130) \} \}$ </p>	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8788) \\ \text{su}(3) \leftarrow \text{so}(17576) \\ \text{su}(17576) \\ \{ \{ (1, 1) \}, \{ (17575, 1) \} \}, \{ (1, 1) \}, \{ (17575) \}, \{ (1, 1) \}, \\ \{ (25, 25) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8855) \\ \text{so}(5) \leftarrow \text{so}(17710) \\ \text{so}(5) \leftarrow \text{su}(17710) \\ \text{su}(17710) \\ \{ \{ (1, 1) \}, \{ (17709, 1) \} \}, \{ (1, 1) \}, \{ (17709) \}, \{ (1, 1) \}, \\ \{ (4, 22) \}, \{ (11, 10) \} \end{array}$
$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8736) \\ \text{so}(7) \leftarrow \text{so}(17472) \\ \text{g}_2 \leftarrow \text{su}(3) \\ \text{su}(13) \leftarrow \text{su}(17472) \\ \text{su}(15) \leftarrow \text{su}(17472) \\ \text{so}(14) \leftarrow \text{su}(17472) \end{array}$ <p> $\{ \{ (1, 1) \}, \{ (17471, 1) \} \}, \{ (1, 1) \}, \{ (17471) \}, \{ (1, 1) \}, \{ (0, 3, 3) \}, \{ (1, 7) \}, \{ (27, 23), (23, 27) \}, \{ (1, 3), (2, 1) \}, \{ (11, 1), (12, 3) \}, \{ (1, 1), (4, 1) \}, \{ (11, 1), (14, 1) \}, \{ (3, 1), (6, 1) \}, \{ (3, 1), (7, 1) \} \}$ </p>	$\begin{array}{c} \text{so}(187) \leftarrow \text{so}(17577) \leftarrow \text{su}(17577) \\ \text{sp}(94) \leftarrow \text{su}(17577) \\ \{ \{ (1, 1) \}, \{ (17576, 1) \} \}, \{ (1, 1) \}, \{ (17576) \}, \{ (1, 2) \}, \\ \{ (2, 1) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{so}(17745) \\ \text{su}(13) \leftarrow \text{su}(17745) \\ \{ \{ (1, 1) \}, \{ (17744, 1) \} \}, \{ (1, 1) \}, \{ (17744) \}, \{ (1, 1), (2, 2) \}, \{ (11, 2), (12, 1) \} \end{array}$
$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8740) \\ \text{sp}(2) \leftarrow \text{so}(17480) \\ \text{su}(4) \leftarrow \text{su}(17480) \end{array}$ <p> $\{ \{ (1, 1) \}, \{ (17479, 1) \} \}, \{ (1, 1) \}, \{ (17479) \}, \{ (7, 14) \}, \{ (1, 1) \}, \{ (18, 3, 0), (0, 3, 18) \} \}$ </p>	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8789) \\ \text{so}(188) \leftarrow \text{so}(17578) \\ \text{su}(3) \leftarrow \text{su}(17578) \\ \text{su}(187) \leftarrow \text{su}(17578) \\ \text{su}(188) \leftarrow \text{su}(17578) \end{array}$ <p> $\{ \{ (1, 1) \}, \{ (17577, 1) \} \}, \{ (1, 1) \}, \{ (17577) \}, \{ (1, 1) \}, \{ (2, 1) \}, \{ (186, 0), (0, 186) \}, \{ (1, 2) \}, \{ (186, 2) \}, \{ (2, 1) \}, \{ (186, 1) \} \}$ </p>	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8880) \\ \text{so}(17760) \leftarrow \text{su}(17760) \\ \text{su}(3) \leftarrow \text{su}(17760) \\ \{ \{ (1, 1) \}, \{ (17759, 1) \} \}, \{ (1, 1) \}, \{ (17759) \}, \{ (1, 1) \}, \\ \{ (73, 5), (5, 73) \} \end{array}$
$\begin{array}{c} \text{su}(2) \leftarrow \text{so}(17487) \\ \text{su}(3) \leftarrow \text{su}(17487) \\ \{ \{ (1, 1) \}, \{ (17486, 1) \} \}, \{ (1, 1) \}, \{ (17486) \}, \{ (57, 8), (8, 57) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8745) \\ \text{so}(17490) \leftarrow \text{su}(17490) \\ \text{su}(3) \leftarrow \text{su}(17490) \\ \{ \{ (1, 1) \}, \{ (17489, 1) \} \}, \{ (1, 1) \}, \{ (17489) \}, \{ (1, 1) \}, \\ \{ (32, 19), (19, 32) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8883) \\ \text{so}(189) \leftarrow \text{so}(17766) \\ \text{sp}(94) \leftarrow \text{su}(3) \\ \text{su}(188) \leftarrow \text{su}(17766) \\ \text{su}(189) \leftarrow \text{su}(17766) \\ \{ \{ (1, 1) \}, \{ (17765, 1) \} \}, \{ (1, 1) \}, \{ (17765) \}, \{ (1, 1) \}, \\ \{ (2, 1) \}, \{ (1, 2) \}, \{ (187, 0), (0, 187) \}, \{ (1, 2) \}, \\ \{ (187, 2) \}, \{ (2, 1) \}, \{ (187, 1) \} \end{array}$
$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8748) \\ \text{so}(17496) \leftarrow \text{su}(17496) \\ \text{su}(3) \leftarrow \text{su}(17496) \\ \{ \{ (1, 1) \}, \{ (17495, 1) \} \}, \{ (1, 1) \}, \{ (17495) \}, \{ (1, 1) \}, \\ \{ (35, 17), (17, 35) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8820) \\ \text{so}(7) \leftarrow \text{so}(17640) \\ \text{su}(5) \leftarrow \text{su}(17640) \\ \text{su}(6) \leftarrow \text{su}(17640) \\ \text{su}(6) \leftarrow \text{su}(17640) \\ \text{su}(6) \leftarrow \text{su}(17640) \\ \text{su}(7) \leftarrow \text{su}(17640) \end{array}$ <p> $\{ \{ (1, 1) \}, \{ (17639, 1) \} \}, \{ (1, 1) \}, \{ (17639) \}, \{ (1, 1) \}, \{ (1, 2, 3) \}, \{ (6, 0, 0, 5), (5, 0, 0, 6) \}, \{ (1, 0, 4, 0, 0), (0, 0, 4, 0, 1) \}, \{ (1, 3, 0, 1, 0), (0, 1, 0, 3, 1) \}, \{ (4, 1, 0, 0, 2), (2, 0, 0, 1, 4) \}, \{ (2, 3), (3, 1) \}, \{ (4, 1), (5, 3) \} \}$ </p>	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8892) \\ \text{so}(17784) \leftarrow \text{su}(17784) \\ \text{su}(4) \leftarrow \text{su}(17784) \\ \{ \{ (1, 1) \}, \{ (17783, 1) \} \}, \{ (1, 1) \}, \{ (17783) \}, \{ (1, 1) \}, \\ \{ (12, 2, 2), (2, 2, 12) \} \end{array}$
$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8750) \\ \text{so}(17500) \leftarrow \text{su}(17500) \\ \text{su}(4) \leftarrow \text{su}(17500) \\ \{ \{ (1, 1) \}, \{ (17499, 1) \} \}, \{ (1, 1) \}, \{ (17499) \}, \{ (1, 1) \}, \\ \{ (19, 0, 3), (3, 0, 19) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8775) \\ \text{sp}(3) \leftarrow \text{so}(17550) \\ \text{so}(27) \leftarrow \text{so}(17550) \\ \text{sp}(12) \leftarrow \text{su}(3) \\ \text{su}(5) \leftarrow \text{su}(17550) \\ \text{su}(24) \leftarrow \text{su}(17550) \\ \text{e}_6 \leftarrow \text{su}(27) \end{array}$ <p> $\{ \{ (1, 1) \}, \{ (17640, 1) \} \}, \{ (1, 1) \}, \{ (17640) \}, \{ (45, 12), (12, 45) \} \}$ </p>	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8904) \\ \text{so}(17808) \leftarrow \text{su}(17808) \\ \text{su}(3) \leftarrow \text{su}(17808) \\ \{ \{ (1, 1) \}, \{ (17807, 1) \} \}, \{ (1, 1) \}, \{ (17807) \}, \{ (1, 1) \}, \\ \{ (31, 20), (20, 31) \} \end{array}$
$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8778) \\ \text{sp}(10) \leftarrow \text{so}(17556) \\ \text{su}(4) \leftarrow \text{su}(17556) \\ \{ \{ (1, 1) \}, \{ (17549, 1) \} \}, \{ (1, 1) \}, \{ (17549) \}, \{ (2, 1, 3) \}, \\ \{ (1, 1) \}, \{ (4, 1) \}, \{ (1, 4) \}, \{ (26, 24), (24, 26) \}, \{ (23, 0, 0, 0), (0, 0, 0, 23) \}, \{ (1, 4) \}, \{ (23, 4) \}, \{ (4, 1) \}, \\ \{ (23, 1) \}, \{ (2, 1), (3, 1) \}, \{ (2, 1), (5, 1) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8832) \\ \text{so}(17664) \leftarrow \text{su}(17664) \\ \text{su}(3) \leftarrow \text{su}(17664) \\ \{ \{ (1, 1) \}, \{ (17663, 1) \} \}, \{ (1, 1) \}, \{ (17663) \}, \{ (1, 1) \}, \\ \{ (91, 3), (3, 91) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8918) \\ \text{so}(17836) \leftarrow \text{su}(17836) \\ \text{su}(4) \leftarrow \text{su}(17836) \\ \{ \{ (1, 1) \}, \{ (17819, 1) \} \}, \{ (1, 1) \}, \{ (17819) \}, \{ (29, 2) \}, \\ \{ (1, 1) \}, \{ (8, 14) \}, \{ (2, 2, 0, 0, 0) \}, \{ (1, 0, 7, 0), (0, 7, 0, 1) \} \end{array}$
$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8788) \\ \text{so}(5) \leftarrow \text{so}(17575) \\ \text{so}(5) \leftarrow \text{su}(17575) \\ \{ \{ (1, 1) \}, \{ (17574, 1) \} \}, \{ (1, 1) \}, \{ (17574) \}, \{ (36, 0) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8844) \\ \text{su}(133) \leftarrow \text{so}(17688) \\ \text{su}(3) \leftarrow \text{su}(17688) \\ \{ \{ (1, 1) \}, \{ (17687, 1) \} \}, \{ (1, 1) \}, \{ (17687) \}, \{ (1, 1) \}, \\ \{ (1, 1), (132, 1) \}, \{ (131, 1), (1, 131) \} \end{array}$	$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8925) \\ \text{sp}(7) \leftarrow \text{so}(17850) \\ \text{so}(17850) \leftarrow \text{su}(17850) \\ \text{su}(3) \leftarrow \text{su}(17850) \\ \{ \{ (1, 1) \}, \{ (17835, 1) \} \}, \{ (1, 1) \}, \{ (17835) \}, \{ (1, 1) \}, \\ \{ (12, 0, 6), (6, 0, 12) \} \end{array}$
		$\begin{array}{c} \text{su}(2) \leftarrow \text{sp}(8918) \\ \text{so}(17836) \leftarrow \text{su}(17836) \\ \text{su}(4) \leftarrow \text{su}(17836) \\ \{ \{ (1, 1) \}, \{ (17849, 1) \} \}, \{ (1, 1) \}, \{ (17849) \}, \{ (2, 1), (3, 1) \}, \{ (1, 1) \}, \{ (67, 6), (6, 67) \} \end{array}$

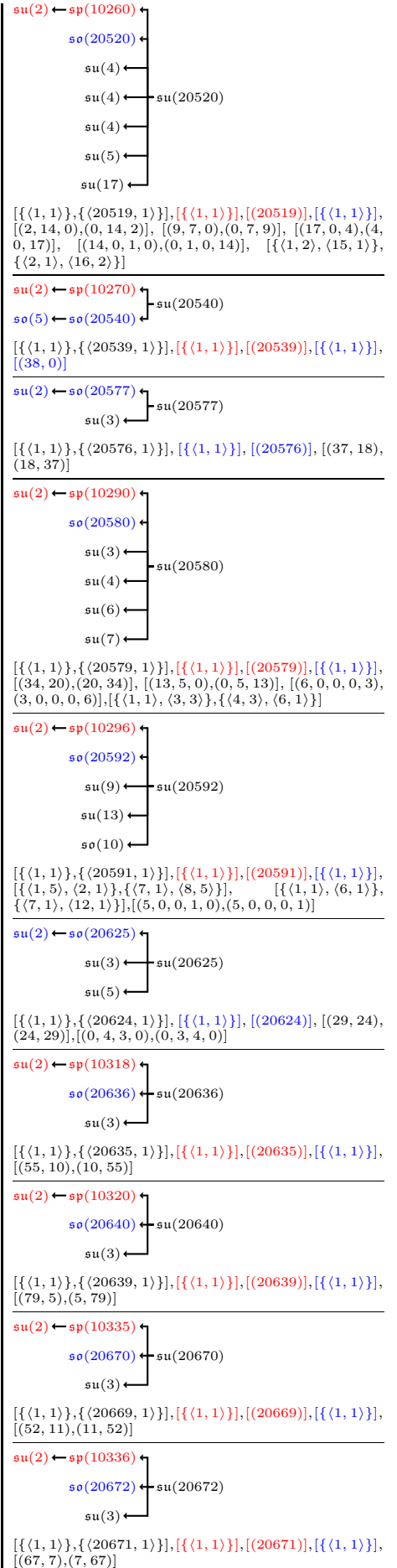
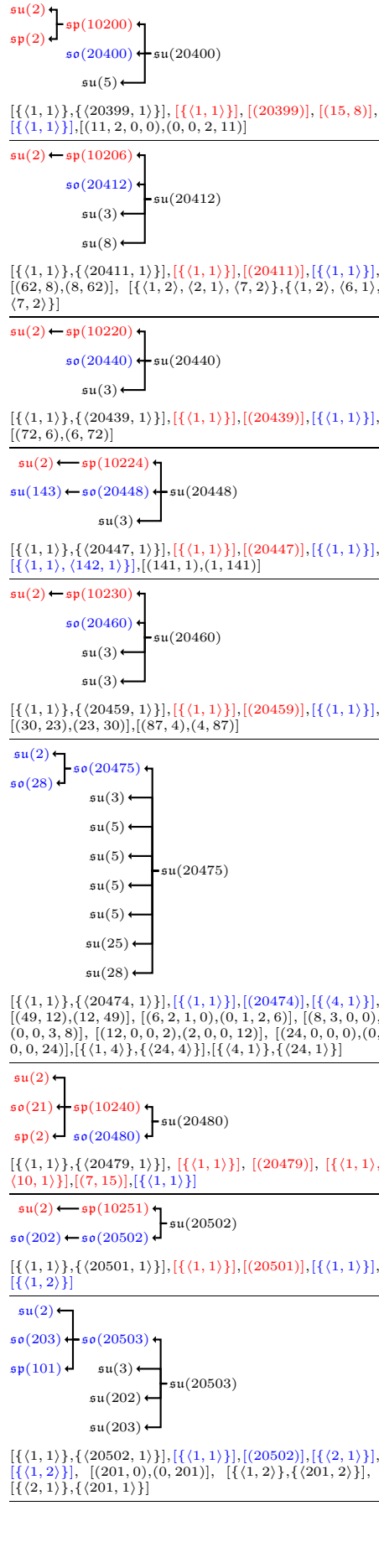
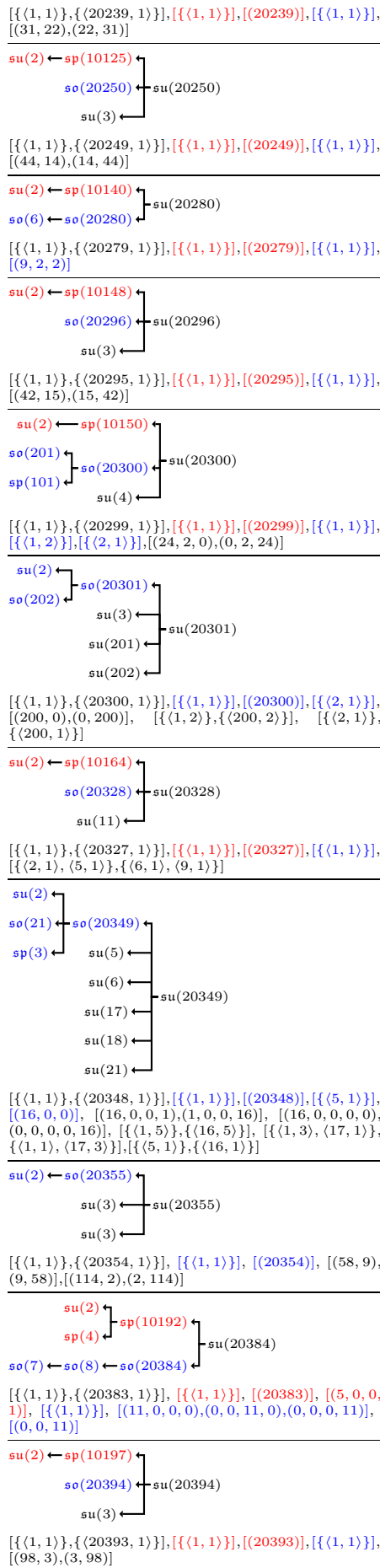


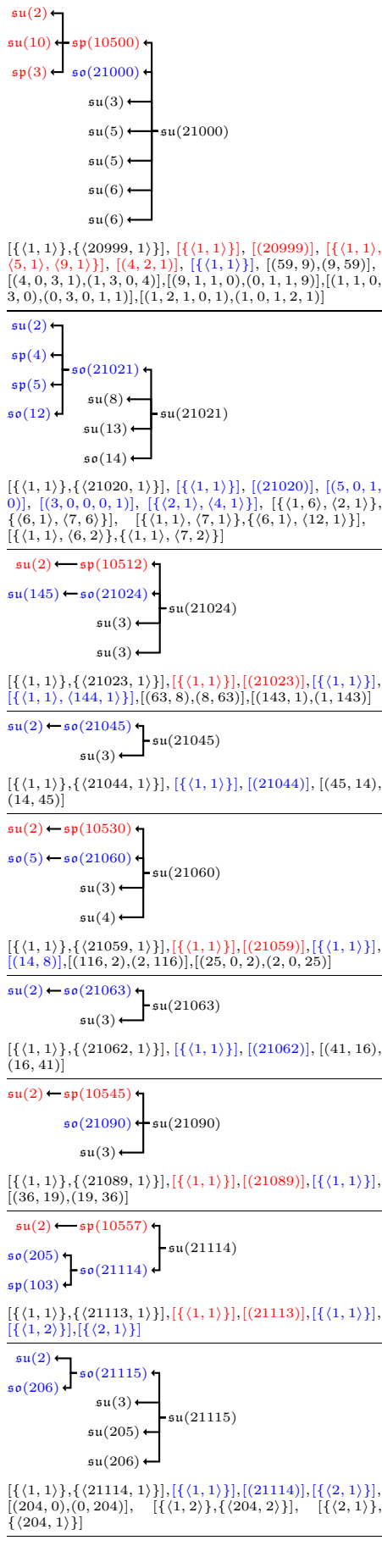
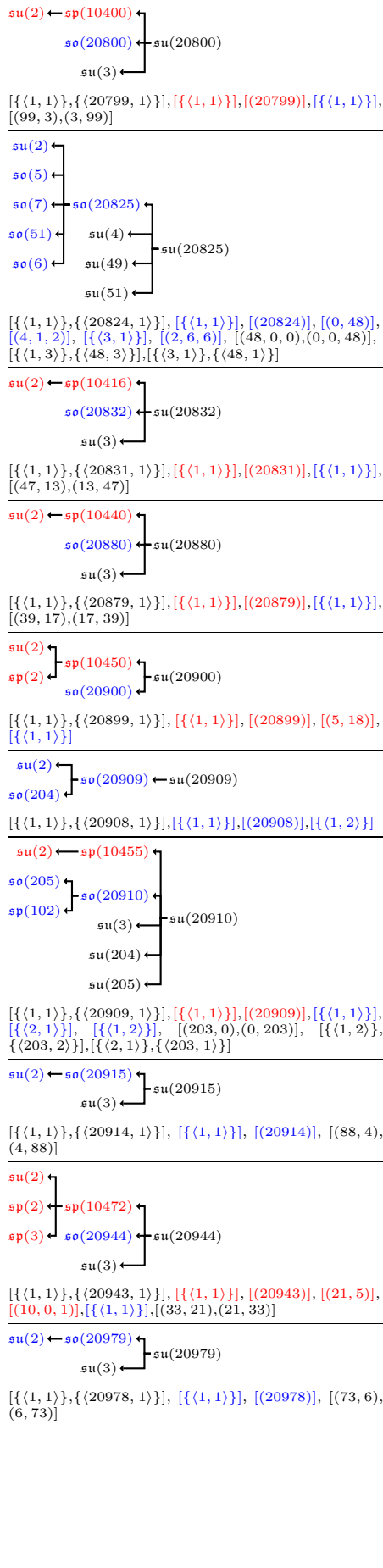
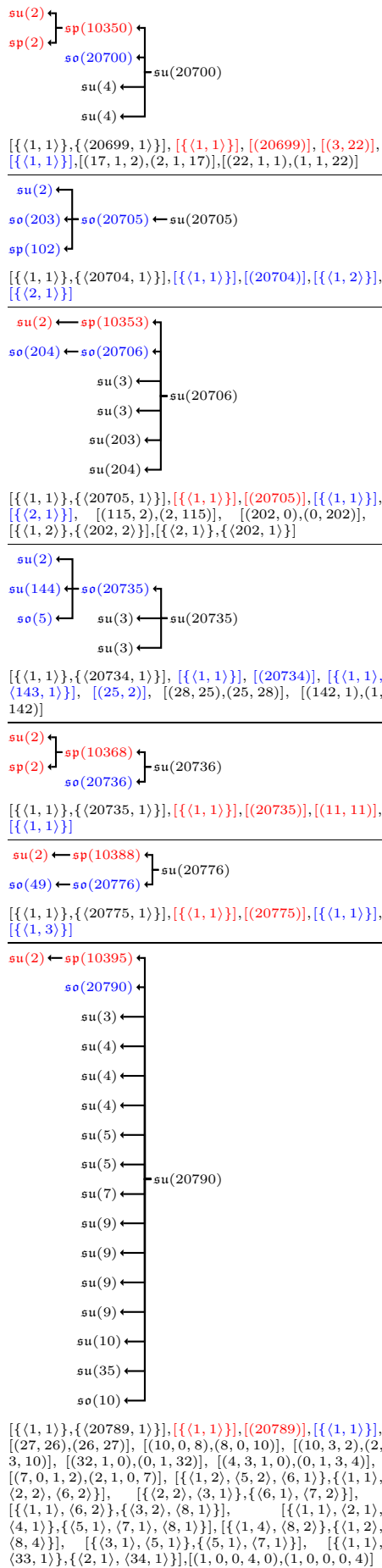
















$\{ \{ (1, 1) \}, \{ (22749, 1) \} \}, \{ \{ (1, 1) \}, \{ (22749) \}, \{ (1, 1) \} \},$
 $\{ (4, 1, 2) \}, \{ (12, 1, 4) \}, \{ (4, 1, 12) \}, \{ (20, 3, 0) \}, \{ (0, 3, 20) \}$

$su(2) \leftarrow sp(11385)$
 $so(22770) \leftarrow su(22770)$
 $su(4) \leftarrow su(22770)$

$\{ \{ (1, 1) \}, \{ (22769, 1) \} \}, \{ \{ (1, 1) \}, \{ (22769) \}, \{ (1, 1) \} \},$
 $\{ (21, 0, 3) \}, \{ (3, 0, 21) \}$

$su(2) \leftarrow so(22785)$
 $su(3) \leftarrow su(22785)$

$\{ \{ (1, 1) \}, \{ (22784, 1) \} \}, \{ \{ (1, 1) \}, \{ (22784) \}, \{ (92, 4) \},$
 $\{ (4, 92) \}$

$su(2) \leftarrow sp(11395)$
 $so(213) \leftarrow so(22790)$
 $sp(107) \leftarrow so(22790)$
 $su(22790) \leftarrow su(22790)$

$\{ \{ (1, 1) \}, \{ (22789, 1) \} \}, \{ \{ (1, 1) \}, \{ (22789) \}, \{ (1, 1) \} \},$
 $\{ (1, 2) \}, \{ (2, 1) \}$

$su(2) \leftarrow so(22791)$
 $so(214) \leftarrow su(22791)$
 $su(3) \leftarrow su(22791)$
 $su(213) \leftarrow su(22791)$
 $su(214) \leftarrow su(22791)$

$\{ \{ (1, 1) \}, \{ (22790, 1) \} \}, \{ \{ (1, 1) \}, \{ (22790) \}, \{ (2, 1) \} \},$
 $\{ (212, 0) \}, \{ (0, 212) \}, \{ (1, 2) \}, \{ (212, 2) \}, \{ (2, 1) \},$
 $\{ (212, 1) \}$

$su(2) \leftarrow sp(11400)$
 $su(151) \leftarrow so(22800)$
 $su(3) \leftarrow su(22800)$
 $su(3) \leftarrow su(22800)$

$\{ \{ (1, 1) \}, \{ (22799, 1) \} \}, \{ \{ (1, 1) \}, \{ (22799) \}, \{ (1, 1) \} \},$
 $\{ (1, 1), (150, 1) \}, \{ (31, 24) \}, \{ (24, 31) \}, \{ (149, 1) \},$
 $\{ (1, 149) \}$

$su(2) \leftarrow sp(11407)$
 $so(22814) \leftarrow su(22814)$
 $su(3) \leftarrow su(22814)$

$\{ \{ (1, 1) \}, \{ (22813, 1) \} \}, \{ \{ (1, 1) \}, \{ (22813) \}, \{ (1, 1) \} \},$
 $\{ (43, 16) \}, \{ (16, 43) \}$

$su(2) \leftarrow sp(11408)$
 $so(22816) \leftarrow su(22816)$
 $su(3) \leftarrow su(22816)$

$\{ \{ (1, 1) \}, \{ (22815, 1) \} \}, \{ \{ (1, 1) \}, \{ (22815) \}, \{ (1, 1) \} \},$
 $\{ (45, 15) \}, \{ (15, 45) \}$

$su(2) \leftarrow sp(11424)$
 $sp(8) \leftarrow sp(11424)$
 $so(7) \leftarrow so(22848)$
 $su(3) \leftarrow su(22848)$

$\{ \{ (1, 1) \}, \{ (22847, 1) \} \}, \{ \{ (1, 1) \}, \{ (22847) \}, \{ (1, 1) \},$
 $\{ (4, 1) \} \}, \{ (1, 1) \}, \{ (0, 6, 0) \}, \{ (55, 11) \}, \{ (11, 55) \}$

$su(2) \leftarrow so(22869)$
 $su(11) \leftarrow su(22869)$

$\{ \{ (1, 1) \}, \{ (22868, 1) \} \}, \{ \{ (1, 1) \}, \{ (22868) \}, \{ (1, 2) \},$
 $\{ (2, 1) \}, \{ (10, 1) \}, \{ (1, 1) \}, \{ (9, 1) \}, \{ (10, 2) \}$

$su(2) \leftarrow so(22875)$
 $su(3) \leftarrow su(22875)$

$\{ \{ (1, 1) \}, \{ (22874, 1) \} \}, \{ \{ (1, 1) \}, \{ (22874) \}, \{ (121, 2) \},$
 $\{ (2, 121) \}$

$su(2) \leftarrow sp(11440)$
 $so(11) \leftarrow so(22880)$
 $su(4) \leftarrow su(22880)$
 $su(11) \leftarrow su(22880)$

$\{ \{ (1, 1) \}, \{ (22879, 1) \} \}, \{ \{ (1, 1) \}, \{ (22879) \}, \{ (4, 0, 0, 0) \},$
 $\{ (1, 1) \}, \{ (1, 1) \}, \{ (4, 7, 2) \}, \{ (2, 7, 4) \}, \{ (1, 1) \}, \{ (2, 1) \},$

$\{ (9, 1) \}, \{ (2, 1) \}, \{ (9, 1) \}, \{ (10, 1) \}$

$su(2) \leftarrow sp(11445)$
 $so(22890) \leftarrow su(22890)$
 $su(3) \leftarrow su(22890)$

$\{ \{ (1, 1) \}, \{ (22889, 1) \} \}, \{ \{ (1, 1) \}, \{ (22889) \}, \{ (1, 1) \} \},$
 $\{ (104, 3) \}, \{ (3, 104) \}$

$su(2) \leftarrow sp(11457)$
 $so(22914) \leftarrow su(22914)$
 $su(3) \leftarrow su(22914)$

$\{ \{ (1, 1) \}, \{ (22913, 1) \} \}, \{ \{ (1, 1) \}, \{ (22913) \}, \{ (1, 1) \} \},$
 $\{ (66, 8) \}, \{ (8, 66) \}$

$su(2) \leftarrow so(22919)$
 $so(5) \leftarrow so(22919)$
 $so(41) \leftarrow so(22919)$

$\{ \{ (1, 1) \}, \{ (22918, 1) \} \}, \{ \{ (1, 1) \}, \{ (22918) \}, \{ (1, 38) \},$
 $\{ (1, 1) \}, \{ (2, 1) \}$

$su(2) \leftarrow sp(11466)$
 $so(9) \leftarrow so(22932)$
 $su(22932) \leftarrow su(22932)$

$\{ \{ (1, 1) \}, \{ (22931, 1) \} \}, \{ \{ (1, 1) \}, \{ (22931) \}, \{ (1, 1) \} \},$
 $\{ (0, 4, 0, 0) \}$

$su(2) \leftarrow sp(11480)$
 $so(22960) \leftarrow su(22960)$
 $su(41) \leftarrow su(22960)$

$\{ \{ (1, 1) \}, \{ (22959, 1) \} \}, \{ \{ (1, 1) \}, \{ (22959) \}, \{ (1, 1) \} \},$
 $\{ (1, 1) \}, \{ (2, 1) \}, \{ (39, 1) \}, \{ (40, 1) \}$

$su(2) \leftarrow sp(11484)$
 $so(22968) \leftarrow su(22968)$
 $su(3) \leftarrow su(22968)$

$\{ \{ (1, 1) \}, \{ (22967, 1) \} \}, \{ \{ (1, 1) \}, \{ (22967) \}, \{ (1, 1) \} \},$
 $\{ (35, 21) \}, \{ (21, 35) \}$

$su(2) \leftarrow so(22971)$
 $su(3) \leftarrow su(22971)$

$\{ \{ (1, 1) \}, \{ (22970, 1) \} \}, \{ \{ (1, 1) \}, \{ (22970) \}, \{ (30, 25) \},$
 $\{ (25, 30) \}$

$su(2) \leftarrow so(22995)$
 $su(3) \leftarrow su(22995)$

$\{ \{ (1, 1) \}, \{ (22994, 1) \} \}, \{ \{ (1, 1) \}, \{ (22994) \}, \{ (62, 9) \},$
 $\{ (9, 62) \}$

$su(2) \leftarrow sp(11500)$
 $so(23) \leftarrow so(23000)$
 $su(23000) \leftarrow su(23000)$

$\{ \{ (1, 1) \}, \{ (22999, 1) \} \}, \{ \{ (1, 1) \}, \{ (22999) \}, \{ (1, 1) \} \},$
 $\{ (2, 2) \}$

$su(2) \leftarrow sp(11502)$
 $so(214) \leftarrow so(23004)$
 $su(23004) \leftarrow su(23004)$

$\{ \{ (1, 1) \}, \{ (23003, 1) \} \}, \{ \{ (1, 1) \}, \{ (23003) \}, \{ (1, 1) \} \},$
 $\{ (1, 2) \}$

$su(2) \leftarrow so(23005)$
 $so(215) \leftarrow so(23005)$
 $sp(107) \leftarrow so(23005)$
 $su(3) \leftarrow su(23005)$
 $su(214) \leftarrow su(23005)$
 $su(215) \leftarrow su(23005)$

$\{ \{ (1, 1) \}, \{ (23004, 1) \} \}, \{ \{ (1, 1) \}, \{ (23004) \}, \{ (2, 1) \} \},$
 $\{ (1, 2) \}, \{ (213, 0) \}, \{ (0, 213) \}, \{ (1, 2) \}, \{ (213, 2) \},$
 $\{ (2, 1) \}, \{ (213, 1) \}$

$su(2) \leftarrow sp(11505)$
 $so(23010) \leftarrow su(23010)$
 $su(3) \leftarrow su(23010)$

$\{ \{ (1, 1) \}, \{ (23009, 1) \} \}, \{ \{ (1, 1) \}, \{ (23009) \}, \{ (1, 1) \} \},$
 $\{ (38, 19) \}, \{ (19, 38) \}$

$su(2) \leftarrow sp(11520)$
 $so(23040) \leftarrow su(23040)$
 $su(3) \leftarrow su(23040)$
 $su(4) \leftarrow su(23040)$
 $su(4) \leftarrow su(23040)$
 $su(5) \leftarrow su(23040)$
 $so(10) \leftarrow su(23040)$

$\{ \{ (1, 1) \}, \{ (23039, 1) \} \}, \{ \{ (1, 1) \}, \{ (23039) \}, \{ (1, 1) \} \},$
 $\{ (71, 7) \}, \{ (7, 71) \}, \{ (5, 5, 3) \}, \{ (3, 5, 5) \}, \{ (9, 5, 1) \}, \{ (1, 5, 9) \},$
 $\{ (3, 3, 0, 2) \}, \{ (2, 0, 3, 3) \}, \{ (1, 1, 0, 2, 0) \}, \{ (1, 1, 0, 0, 2) \}$

$su(2) \leftarrow so(23085)$
 $so(5) \leftarrow so(23085)$
 $su(3) \leftarrow su(23085)$
 $su(4) \leftarrow su(23085)$

$\{ \{ (1, 1) \}, \{ (23084, 1) \} \}, \{ \{ (1, 1) \}, \{ (23084) \}, \{ (2, 1) \},$
 $\{ (16, 1) \} \}, \{ (26, 2) \}, \{ (29, 26) \}, \{ (26, 29) \}, \{ (8, 8, 0) \}, \{ (0, 8, 8) \}$

$su(2) \leftarrow sp(11550)$
 $sp(2) \leftarrow sp(11550)$
 $so(12) \leftarrow so(23100)$
 $su(5) \leftarrow su(23100)$
 $su(5) \leftarrow su(23100)$
 $su(5) \leftarrow su(23100)$
 $su(6) \leftarrow su(23100)$
 $su(6) \leftarrow su(23100)$
 $su(7) \leftarrow su(23100)$
 $su(12) \leftarrow su(23100)$

$\{ \{ (1, 1) \}, \{ (23099, 1) \} \}, \{ \{ (1, 1) \}, \{ (23099) \}, \{ (13, 10) \},$
 $\{ (1, 1) \}, \{ (2, 3) \} \}, \{ (1, 4, 2, 0) \}, \{ (0, 2, 4, 1) \}, \{ (2, 2, 3,$
 $0) \}, \{ (0, 3, 2, 2) \}, \{ (8, 0, 0, 4) \}, \{ (4, 0, 0, 8) \}, \{ (5, 0, 2, 0, 0) \}, \{ (0,$
 $0, 2, 0, 5) \}, \{ (9, 0, 0, 1, 0) \}, \{ (0, 1, 0, 0, 9) \}, \{ (1, 3),$
 $\{ (3, 2) \}, \{ (4, 2) \}, \{ (6, 3) \}, \{ (1, 3) \}, \{ (10, 1) \}, \{ (2, 1),$
 $\{ (11, 3) \}$

$su(2) \leftarrow so(23103)$
 $su(152) \leftarrow so(23103)$
 $su(3) \leftarrow su(23103)$

$\{ \{ (1, 1) \}, \{ (23102, 1) \} \}, \{ \{ (1, 1) \}, \{ (23102) \}, \{ (1, 1) \},$
 $\{ (151, 1) \} \}, \{ (150, 1) \}, \{ (1, 150) \}$

$su(2) \leftarrow sp(11560)$
 $so(17) \leftarrow so(23120)$
 $su(23120) \leftarrow su(23120)$

$\{ \{ (1, 1) \}, \{ (23119, 1) \} \}, \{ \{ (1, 1) \}, \{ (23119) \}, \{ (1, 1) \} \},$
 $\{ (1, 2) \}, \{ (16, 2) \}$

$su(2) \leftarrow sp(11571)$
 $so(23142) \leftarrow su(23142)$
 $su(3) \leftarrow su(23142)$

$\{ \{ (1, 1) \}, \{ (23141, 1) \} \}, \{ \{ (1, 1) \}, \{ (23141) \}, \{ (1, 1) \} \},$
 $\{ (28, 27) \}, \{ (27, 28) \}$

$su(2) \leftarrow sp(11583)$
 $so(5) \leftarrow so(23166)$
 $su(12) \leftarrow su(23166)$

$\{ \{ (1, 1) \}, \{ (23165, 1) \} \}, \{ \{ (1, 1) \}, \{ (23165) \}, \{ (1, 1) \} \},$
 $\{ (2, 32) \}, \{ (2, 1) \}, \{ (4, 1) \}, \{ (8, 1) \}, \{ (10, 1) \}$

$su(2) \leftarrow so(23205)$
 $so(5) \leftarrow so(23205)$
 $su(3) \leftarrow su(23205)$
 $su(3) \leftarrow su(23205)$
 $su(3) \leftarrow su(23205)$
 $su(6) \leftarrow su(23205)$
 $su(13) \leftarrow su(23205)$

$\{ \{ (1, 1) \}, \{ (23204, 1) \} \}, \{ \{ (1, 1) \}, \{ (23204) \}, \{ (8, 16) \},$
 $\{ (50, 13) \}, \{ (13, 50) \}, \{ (77, 6) \}, \{ (6, 77) \}, \{ (84, 5) \}, \{ (5, 84) \},$
 $\{ (11, 0, 0, 0, 1) \}, \{ (1, 0, 0, 0, 11) \}, \{ (1, 4) \}, \{ (12, 1) \},$
 $\{ (1, 1) \}, \{ (12, 4) \}$

$su(2) \leftarrow so(215) \leftarrow so(23219) \leftarrow su(23219)$
 $sp(108) \leftarrow$
 $\{ \{ (1, 1), \{ (23218, 1) \} \}, \{ (1, 1) \}, \{ (23218) \}, \{ (1, 2) \}, \{ (2, 1) \} \}$

$su(2) \leftarrow sp(11610) \leftarrow so(23220) \leftarrow su(23220)$
 $so(216) \leftarrow so(23220) \leftarrow su(23220)$
 $su(3) \leftarrow su(23220)$
 $su(215) \leftarrow su(23220)$
 $su(216) \leftarrow su(23220)$

$\{ \{ (1, 1), \{ (23219, 1) \} \}, \{ (1, 1) \}, \{ (23219) \}, \{ (1, 1) \}, \{ (2, 1) \}, \{ (214, 0), (0, 214) \}, \{ (1, 2) \}, \{ (214, 2) \}, \{ (2, 1) \}, \{ (214, 1) \} \}$

$su(2) \leftarrow so(23247) \leftarrow su(23247)$
 $su(3) \leftarrow su(23247)$

$\{ \{ (1, 1), \{ (23246, 1) \} \}, \{ (1, 1) \}, \{ (23246) \}, \{ (122, 2), (2, 122) \} \}$

$su(2) \leftarrow sp(11628) \leftarrow so(23256) \leftarrow su(23256)$
 $sp(9) \leftarrow so(23256) \leftarrow su(23256)$

$\{ \{ (1, 1), \{ (23255, 1) \} \}, \{ (1, 1) \}, \{ (23255) \}, \{ (7, 1) \}, \{ (1, 1) \} \}$

$su(2) \leftarrow so(23265) \leftarrow su(23265)$
 $su(3) \leftarrow su(23265)$

$\{ \{ (1, 1), \{ (23264, 1) \} \}, \{ (1, 1) \}, \{ (23264) \}, \{ (93, 4), (4, 93) \} \}$

$su(2) \leftarrow sp(11638) \leftarrow so(23276) \leftarrow su(23276)$
 $so(6) \leftarrow so(23276) \leftarrow su(23276)$
 $su(23) \leftarrow su(23276)$

$\{ \{ (1, 1), \{ (23275, 1) \} \}, \{ (1, 1) \}, \{ (23275) \}, \{ (1, 1) \}, \{ (21, 0, 0) \}, \{ (2, 2) \}, \{ (21, 2) \} \}$

$su(2) \leftarrow sp(11648) \leftarrow so(23296) \leftarrow su(23296)$
 $so(13) \leftarrow sp(11648) \leftarrow su(23296)$
 $sp(2) \leftarrow sp(11648) \leftarrow su(23296)$
 $so(14) \leftarrow so(23296) \leftarrow su(23296)$
 $su(4) \leftarrow su(23296)$

$\{ \{ (1, 1), \{ (23295, 1) \} \}, \{ (1, 1) \}, \{ (23295) \}, \{ (1, 3), (6, 1) \}, \{ (3, 23) \}, \{ (1, 1) \}, \{ (1, 3), (2, 1) \}, \{ (23, 1, 1), (1, 1, 23) \} \}$

$su(2) \leftarrow sp(11660) \leftarrow so(23320) \leftarrow su(23320)$
 $so(23320) \leftarrow so(23320) \leftarrow su(23320)$
 $su(3) \leftarrow su(23320)$

$\{ \{ (1, 1), \{ (23319, 1) \} \}, \{ (1, 1) \}, \{ (23319) \}, \{ (1, 1) \}, \{ (105, 3), (3, 105) \} \}$

$su(2) \leftarrow sp(11664) \leftarrow so(23328) \leftarrow su(23328)$
 $so(23328) \leftarrow so(23328) \leftarrow su(23328)$
 $su(9) \leftarrow su(23328)$

$\{ \{ (1, 1), \{ (23327, 1) \} \}, \{ (1, 1) \}, \{ (23327) \}, \{ (1, 1) \}, \{ (1, 2), (3, 1), (8, 1) \}, \{ (1, 1), (6, 1), (8, 2) \} \}$

$su(2) \leftarrow so(23345) \leftarrow su(23345)$
 $so(5) \leftarrow so(23345) \leftarrow su(23345)$
 $su(3) \leftarrow su(23345)$

$\{ \{ (1, 1), \{ (23344, 1) \} \}, \{ (1, 1) \}, \{ (23344) \}, \{ (5, 22), (34, 22), (22, 34) \} \}$

$su(2) \leftarrow sp(11685) \leftarrow so(23370) \leftarrow su(23370)$
 $so(23370) \leftarrow so(23370) \leftarrow su(23370)$
 $su(3) \leftarrow su(23370)$

$\{ \{ (1, 1), \{ (23369, 1) \} \}, \{ (1, 1) \}, \{ (23369) \}, \{ (1, 1) \}, \{ (40, 18), (18, 40) \} \}$

$su(2) \leftarrow so(23375) \leftarrow su(23375)$
 $so(51) \leftarrow so(23375) \leftarrow su(23375)$

$\{ \{ (1, 1), \{ (23374, 1) \} \}, \{ (1, 1) \}, \{ (23374) \}, \{ (1, 3) \} \}$

$su(2) \leftarrow sp(11700) \leftarrow so(23400) \leftarrow su(23400)$
 $so(8) \leftarrow so(23400) \leftarrow su(23400)$
 $so(26) \leftarrow so(23400) \leftarrow su(23400)$
 $su(4) \leftarrow su(23400)$

$\{ \{ (1, 1), \{ (23399, 1) \} \}, \{ (1, 1) \}, \{ (23399) \}, \{ (1, 1) \}, \{ (4, 2, 0, 0), (0, 2, 4, 0), (0, 2, 0, 4) \}, \{ (1, 4) \}, \{ (9, 2, 4), (4, 2, 9) \} \}$

$su(2) \leftarrow sp(11704) \leftarrow so(23408) \leftarrow su(23408)$
 $su(153) \leftarrow so(23408) \leftarrow su(23408)$
 $su(3) \leftarrow su(23408)$

$\{ \{ (1, 1), \{ (23407, 1) \} \}, \{ (1, 1) \}, \{ (23407) \}, \{ (1, 1) \}, \{ (1, 1), (152, 1) \}, \{ (151, 1), (1, 151) \} \}$

$su(2) \leftarrow sp(11713) \leftarrow so(23426) \leftarrow su(23426)$
 $so(5) \leftarrow so(23426) \leftarrow su(23426)$
 $so(53) \leftarrow so(23426) \leftarrow su(23426)$
 $su(4) \leftarrow su(23426)$
 $su(51) \leftarrow su(23426)$
 $su(53) \leftarrow su(23426)$

$\{ \{ (1, 1), \{ (23425, 1) \} \}, \{ (1, 1) \}, \{ (23425) \}, \{ (1, 1) \}, \{ (0, 50) \}, \{ (3, 1) \}, \{ (50, 0, 0), (0, 0, 50) \}, \{ (1, 3) \}, \{ (50, 3) \}, \{ (3, 1) \}, \{ (50, 1) \} \}$

$su(2) \leftarrow sp(11715) \leftarrow so(23430) \leftarrow su(23430)$
 $so(23430) \leftarrow so(23430) \leftarrow su(23430)$
 $su(3) \leftarrow su(23430)$

$\{ \{ (1, 1), \{ (23429, 1) \} \}, \{ (1, 1) \}, \{ (23429) \}, \{ (1, 1) \}, \{ (59, 10), (10, 59) \} \}$

$su(2) \leftarrow so(23435) \leftarrow su(23435)$
 $so(216) \leftarrow so(23435) \leftarrow su(23435)$

$\{ \{ (1, 1), \{ (23434, 1) \} \}, \{ (1, 1) \}, \{ (23434) \}, \{ (1, 2) \} \}$

$su(2) \leftarrow sp(11718) \leftarrow so(23436) \leftarrow su(23436)$
 $so(217) \leftarrow so(23436) \leftarrow su(23436)$
 $sp(108) \leftarrow so(23436) \leftarrow su(23436)$
 $su(3) \leftarrow su(23436)$
 $su(4) \leftarrow su(23436)$
 $su(216) \leftarrow su(23436)$
 $su(217) \leftarrow su(23436)$

$\{ \{ (1, 1), \{ (23435, 1) \} \}, \{ (1, 1) \}, \{ (23435) \}, \{ (1, 1) \}, \{ (2, 1) \}, \{ (1, 2) \}, \{ (215, 0), (0, 215) \}, \{ (26, 0, 2), (2, 0, 26) \}, \{ (1, 2) \}, \{ (215, 2) \}, \{ (2, 1) \}, \{ (215, 1) \} \}$

$su(2) \leftarrow so(23517) \leftarrow su(23517)$
 $su(3) \leftarrow su(23517)$

$\{ \{ (1, 1), \{ (23516, 1) \} \}, \{ (1, 1) \}, \{ (23516) \}, \{ (53, 12), (12, 53) \} \}$

$su(2) \leftarrow sp(11760) \leftarrow so(23520) \leftarrow su(23520)$
 $so(23520) \leftarrow so(23520) \leftarrow su(23520)$
 $su(3) \leftarrow su(23520)$
 $su(7) \leftarrow su(23520)$
 $su(7) \leftarrow su(23520)$

$\{ \{ (1, 1), \{ (23519, 1) \} \}, \{ (1, 1) \}, \{ (23519) \}, \{ (1, 1) \}, \{ (48, 14), (14, 48) \}, \{ (1, 1), (4, 3) \}, \{ (3, 3), (6, 1) \}, \{ (1, 1), (2, 1), (3, 2) \}, \{ (4, 2), (5, 1), (6, 1) \} \}$

$su(2) \leftarrow so(23541) \leftarrow su(23541)$
 $su(3) \leftarrow su(23541)$

$\{ \{ (1, 1), \{ (23540, 1) \} \}, \{ (1, 1) \}, \{ (23540) \}, \{ (37, 20), (20, 37) \} \}$

$su(2) \leftarrow sp(11781) \leftarrow so(23562) \leftarrow su(23562)$
 $so(7) \leftarrow so(23562) \leftarrow su(23562)$
 $sp(3) \leftarrow so(23562) \leftarrow su(23562)$
 $su(3) \leftarrow su(23562)$

$\{ \{ (1, 1), \{ (23561, 1) \} \}, \{ (1, 1) \}, \{ (23561) \}, \{ (1, 1) \}, \{ (2, 4, 0) \}, \{ (2, 5, 0) \}, \{ (67, 8), (8, 67) \} \}$

$su(2) \leftarrow so(9) \leftarrow so(11) \leftarrow so(11) \leftarrow su(5) \leftarrow su(23595)$
 $so(11) \leftarrow so(11) \leftarrow su(5) \leftarrow su(23595)$
 $so(11) \leftarrow so(11) \leftarrow su(5) \leftarrow su(23595)$

$\{ \{ (1, 1), \{ (23594, 1) \} \}, \{ (1, 1) \}, \{ (23594) \}, \{ (0, 0, 3, 0) \}, \{ (0, 0, 0, 2, 0) \}, \{ (0, 0, 1, 1, 0) \}, \{ (1, 8, 0, 0), (0, 0, 8, 1) \} \}$

$su(2) \leftarrow sp(11799) \leftarrow so(23598) \leftarrow su(23598)$
 $so(23598) \leftarrow so(23598) \leftarrow su(23598)$
 $su(3) \leftarrow su(23598)$

$\{ \{ (1, 1), \{ (23597, 1) \} \}, \{ (1, 1) \}, \{ (23597) \}, \{ (1, 1) \}, \{ (56, 11), (11, 56) \} \}$

$su(2) \leftarrow sp(11803) \leftarrow so(23606) \leftarrow su(23606)$
 $so(5) \leftarrow so(23606) \leftarrow su(23606)$

$\{ \{ (1, 1), \{ (23605, 1) \} \}, \{ (1, 1) \}, \{ (23605) \}, \{ (1, 1) \}, \{ (3, 28) \} \}$

$su(2) \leftarrow so(23607) \leftarrow su(23607)$
 $su(3) \leftarrow su(23607)$

$\{ \{ (1, 1), \{ (23606, 1) \} \}, \{ (1, 1) \}, \{ (23606) \}, \{ (42, 17), (17, 42) \} \}$

$su(2) \leftarrow sp(11811) \leftarrow so(23622) \leftarrow su(23622)$
 $so(23622) \leftarrow so(23622) \leftarrow su(23622)$
 $su(3) \leftarrow su(23622)$

$\{ \{ (1, 1), \{ (23621, 1) \} \}, \{ (1, 1) \}, \{ (23621) \}, \{ (1, 1) \}, \{ (123, 2), (2, 123) \} \}$

$su(2) \leftarrow so(23625) \leftarrow su(23625)$
 $so(7) \leftarrow so(23625) \leftarrow su(23625)$

$\{ \{ (1, 1), \{ (23624, 1) \} \}, \{ (1, 1) \}, \{ (23624) \}, \{ (2, 1, 4) \} \}$

$su(2) \leftarrow sp(11826) \leftarrow so(23652) \leftarrow su(23652)$
 $so(217) \leftarrow so(23652) \leftarrow su(23652)$
 $sp(109) \leftarrow so(23652) \leftarrow su(23652)$
 $su(3) \leftarrow su(23652)$

$\{ \{ (1, 1), \{ (23651, 1) \} \}, \{ (1, 1) \}, \{ (23651) \}, \{ (1, 1) \}, \{ (1, 2) \}, \{ (2, 1) \}, \{ (72, 7), (7, 72) \} \}$

$su(2) \leftarrow so(23653) \leftarrow su(23653)$
 $so(218) \leftarrow so(23653) \leftarrow su(23653)$
 $su(3) \leftarrow su(23653)$
 $su(217) \leftarrow su(23653)$
 $su(218) \leftarrow su(23653)$

$\{ \{ (1, 1), \{ (23652, 1) \} \}, \{ (1, 1) \}, \{ (23652) \}, \{ (2, 1) \}, \{ (216, 0), (0, 216) \}, \{ (1, 2) \}, \{ (216, 2) \}, \{ (2, 1) \}, \{ (216, 1) \} \}$

$su(2) \leftarrow sp(11830) \leftarrow so(23660) \leftarrow su(23660)$
 $so(13) \leftarrow so(23660) \leftarrow su(23660)$

$\{ \{ (1, 1), \{ (23659, 1) \} \}, \{ (1, 1) \}, \{ (23659) \}, \{ (1, 1) \}, \{ (3, 2) \} \}$

$su(2) \leftarrow sp(11832) \leftarrow so(23664) \leftarrow su(23664)$
 $so(23664) \leftarrow so(23664) \leftarrow su(23664)$
 $su(3) \leftarrow su(23664)$

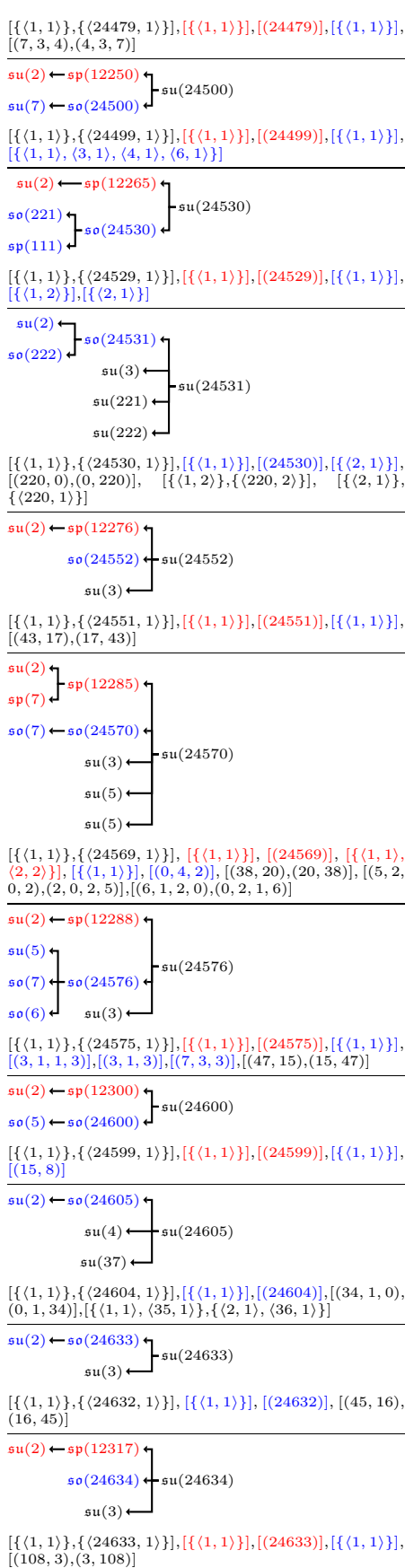
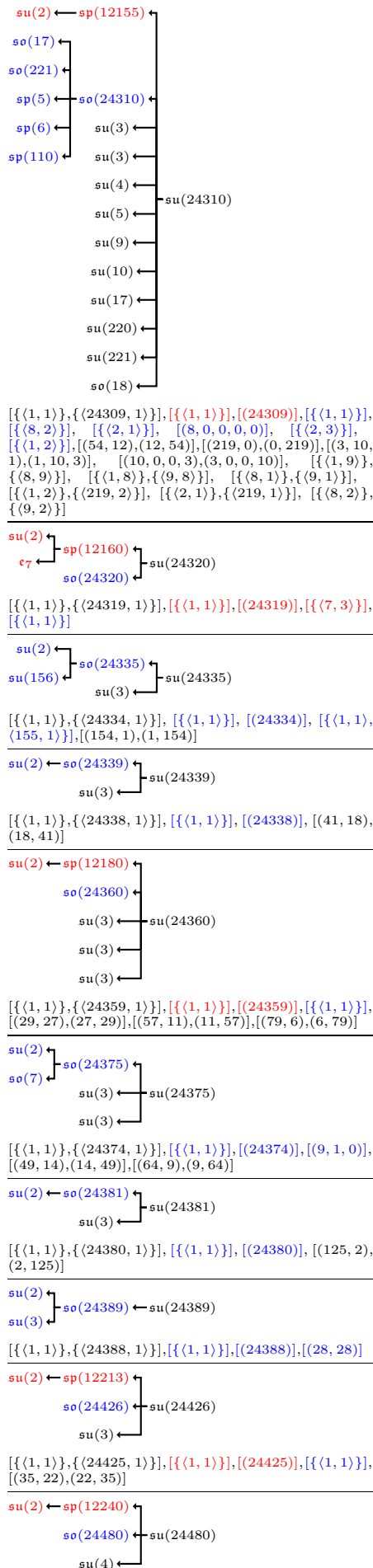
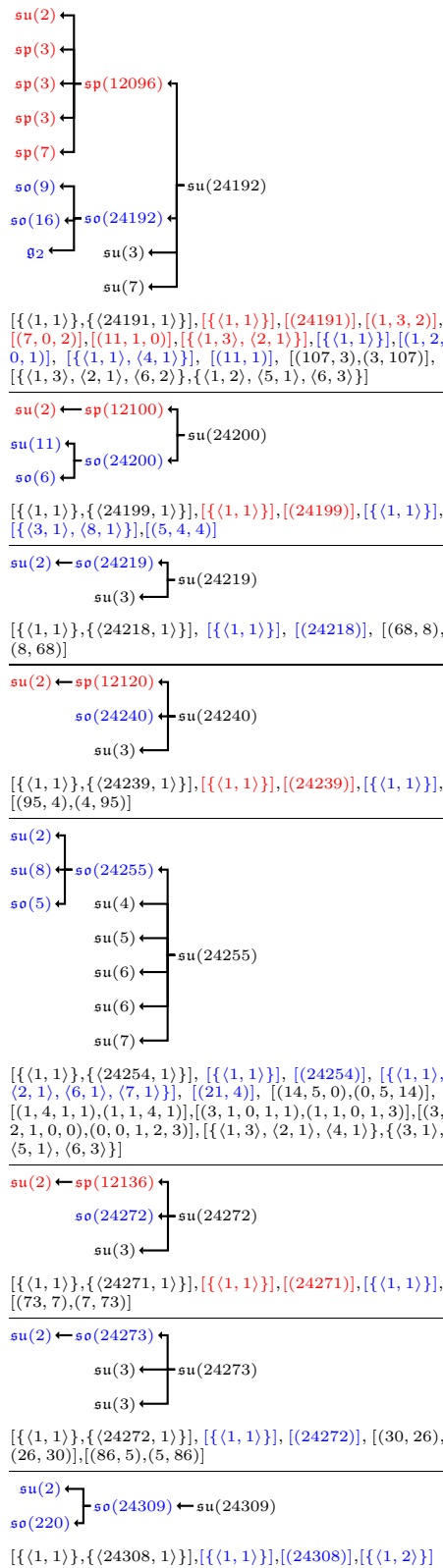
$\{ \{ (1, 1), \{ (23663, 1) \} \}, \{ (1, 1) \}, \{ (23663) \}, \{ (1, 1) \}, \{ (33, 23), (23, 33) \} \}$

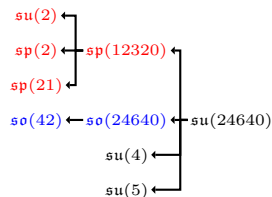
$su(2) \leftarrow sp(11840) \leftarrow so(23680) \leftarrow su(23680)$
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 $su(3) \leftarrow su(23680)$

$\{ \{ (1, 1), \{ (23679, 1) \} \}, \{ (1, 1) \}, \{ (23679) \}, \{ (1, 1) \}, \{ (63, 9), (9, 63) \} \}$

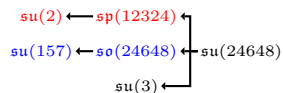
$su(2) \leftarrow sp(11844) \leftarrow so(23688) \leftarrow su(23688)$
 $so(23688) \leftarrow so(23688) \leftarrow su(23688)$
 $su(3) \leftarrow su(23688)$

$\{ \{ (1, 1), \{ (23687, 1) \} \}, \{ (1, 1) \}, \{ (23687) \}, \{ (1, 1) \}, \{ (46, 15), (15, 46) \} \}$

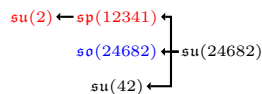




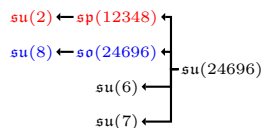
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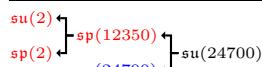
[[{1, 1}], {24647, 1}], [{1, 1}], [(24647)], [{1, 1}],
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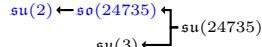
[[{1, 1}], {24681, 1}], [{1, 1}], [(24681)], [{1, 1}],
 [{1, 1}, (2, 1)], {40, 1}, {41, 1}}



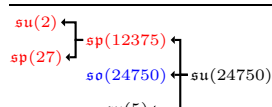
[[{1, 1}], {24695, 1}], [{1, 1}], [(24695)], [{1, 1}],
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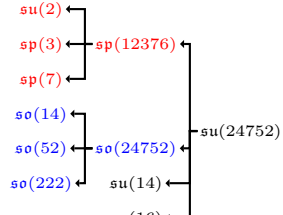
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 [{1, 1}]]



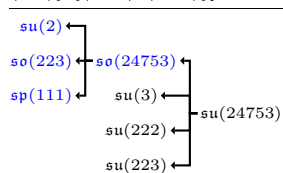
[[{1, 1}], {24734, 1}], [{1, 1}], [(24734)], [(96, 4),
 (4, 96)]



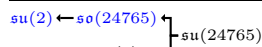
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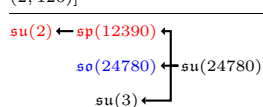
[[{1, 1}], {24751, 1}], [{1, 1}], [(24751)], [(2, 0, 5)],
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 [(1, 2)], [(1, 3), (2, 1)], [(12, 1), (13, 3)], [(1, 1),
 (4, 1)], [(12, 1), (15, 1)]]



[[{1, 1}], {24752, 1}], [{1, 1}], [(24752)], [(2, 1)],
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 [(2, 1)], [(221, 1)]]



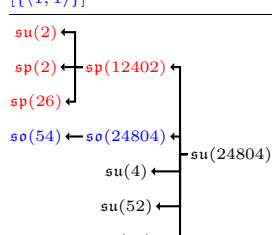
[[{1, 1}], {24764, 1}], [{1, 1}], [(24764)], [(126, 2),
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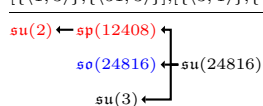
[[{1, 1}], {24779, 1}], [{1, 1}], [(24779)], [{1, 1}],
 [(34, 23), (23, 34)]



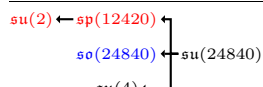
[[{1, 1}], {24793, 1}], [{1, 1}], [(24793)], [(5, 1)],
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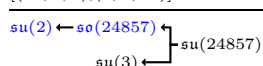
[[{1, 1}], {24803, 1}], [{1, 1}], [(24803)], [(51, 0)],
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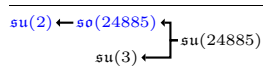
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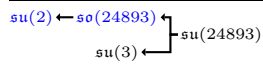
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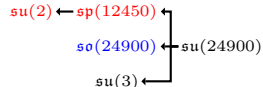
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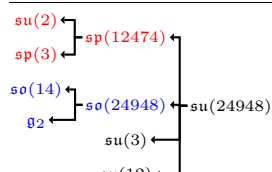
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 (8, 69)]]



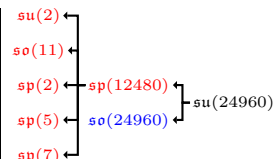
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 (10, 61)]]



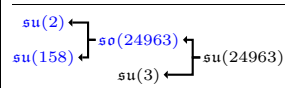
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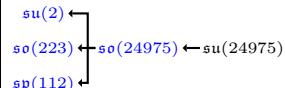
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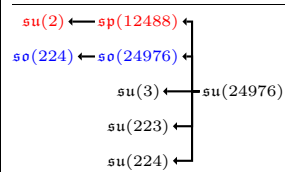
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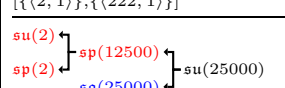
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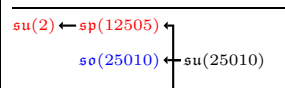
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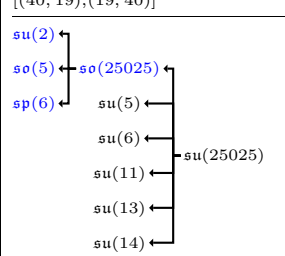
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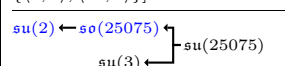
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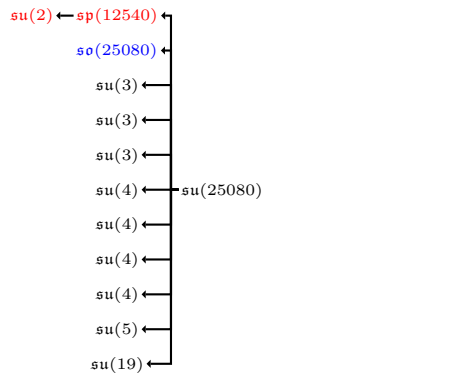
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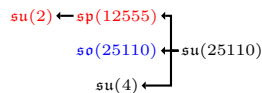
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 (0, 0, 1, 0, 9)], [(1, 4), (2, 1)], [(9, 1), (10, 4)],
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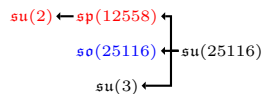
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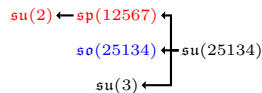
[[{1, 1}], {25079, 1}], [{1, 1}], {25079}], [{1, 1}], [(37, 21), (21, 37)], [(65, 9), (9, 65)], [(109, 3), (3, 109)], [(7, 9, 0), (0, 9, 7)], [(8, 1, 7), (7, 1, 8)], [(10, 7, 0), (0, 7, 10)], [(18, 2, 1), (1, 2, 18)], [(17, 0, 0, 1), (1, 0, 0, 17)], [(1, 3), (18, 1)], {(1, 1), (18, 3)}



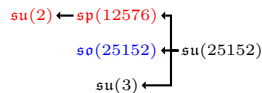
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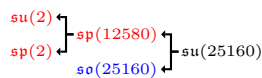
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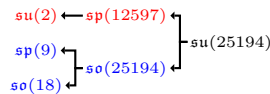
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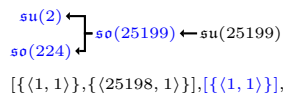
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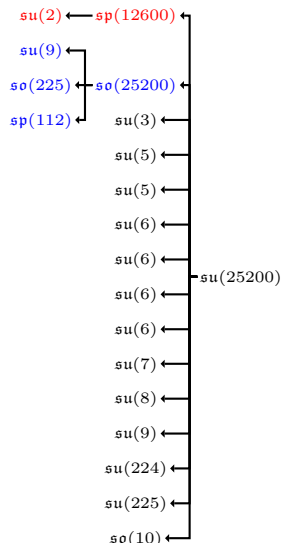
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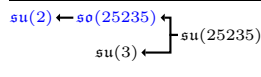
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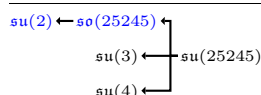
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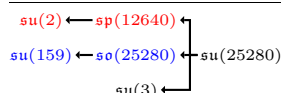
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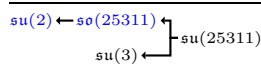
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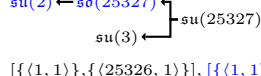
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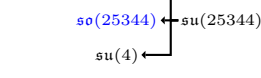
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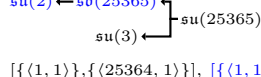
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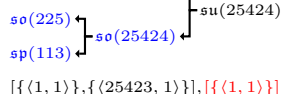
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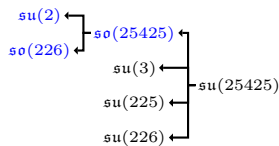
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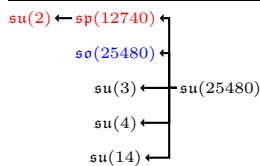
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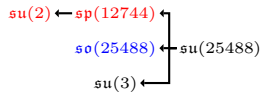
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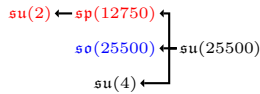
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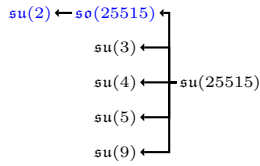
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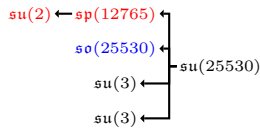
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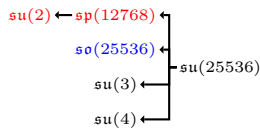
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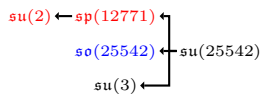
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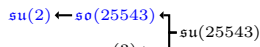
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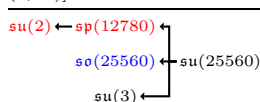
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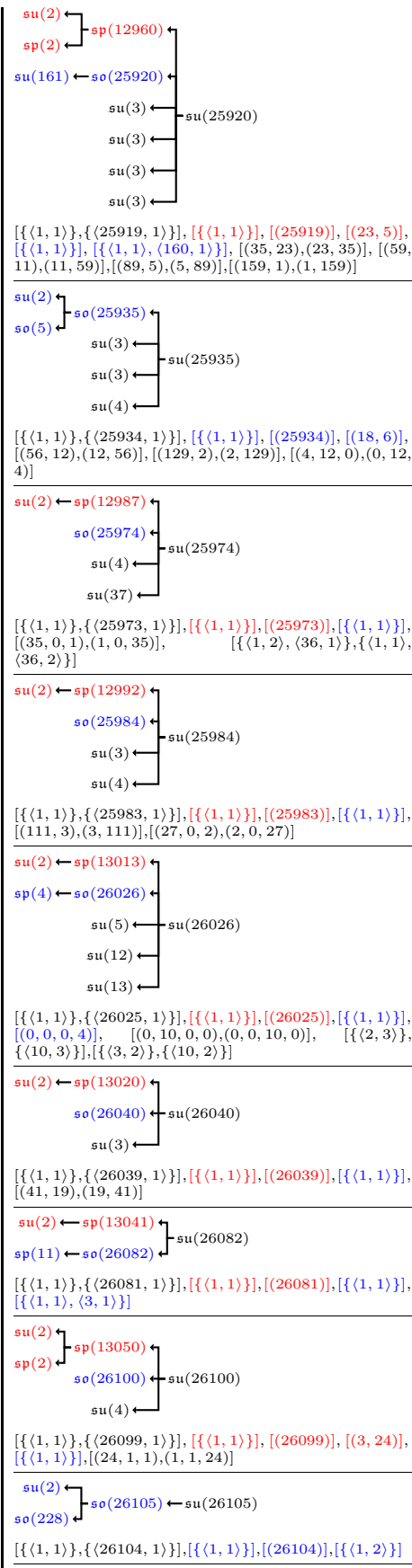
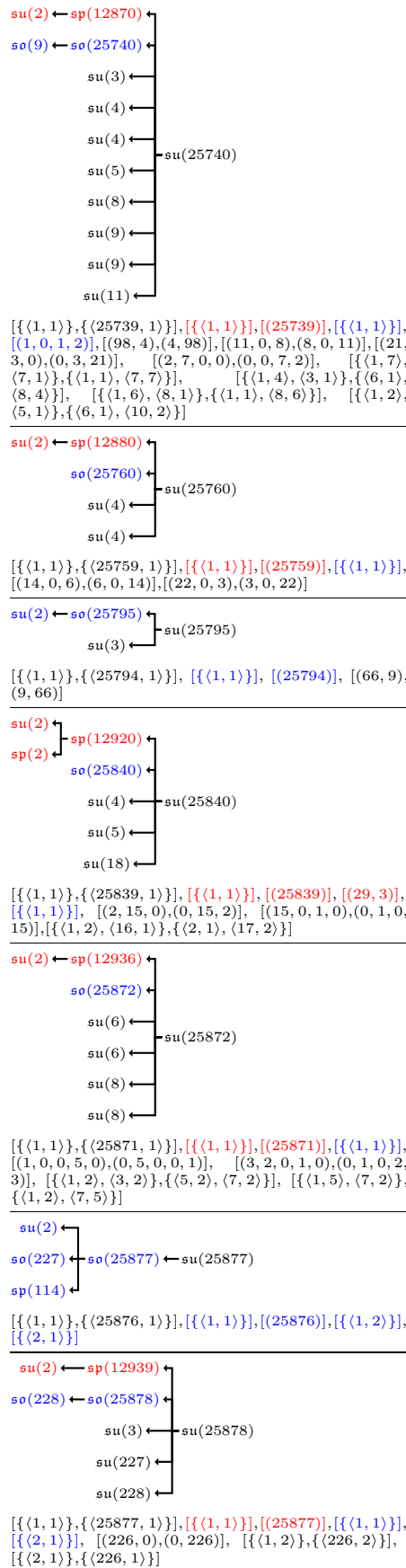
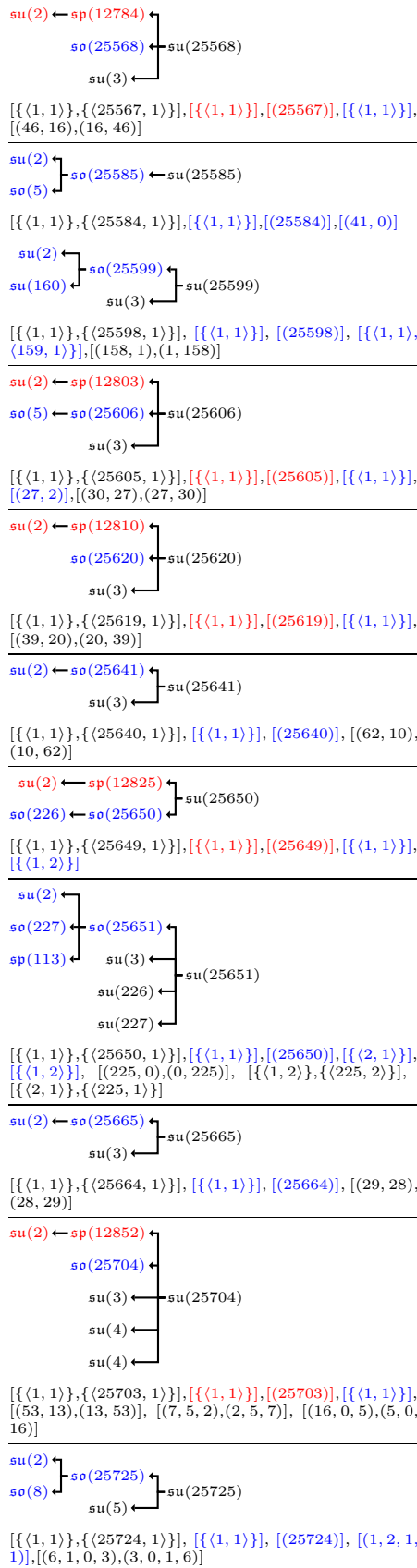
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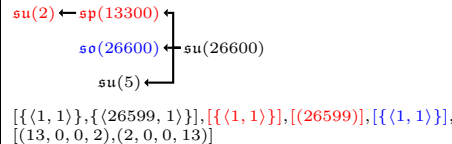
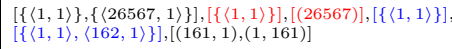
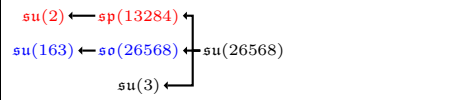
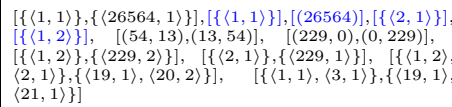
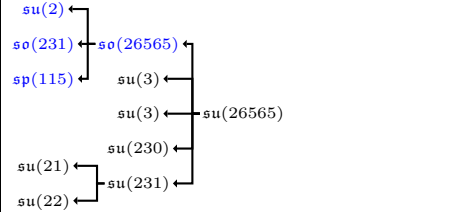
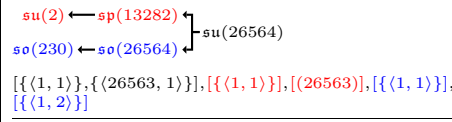
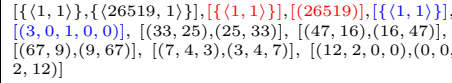
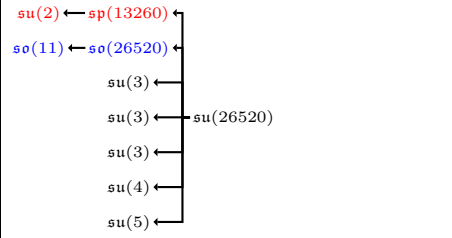
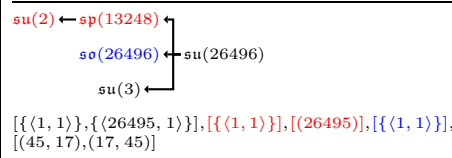
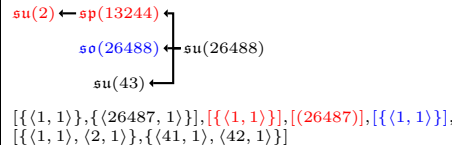
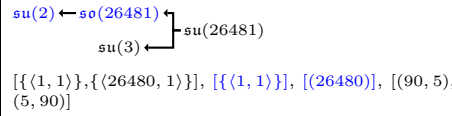
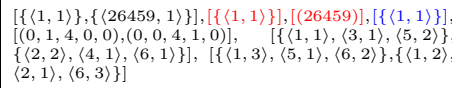
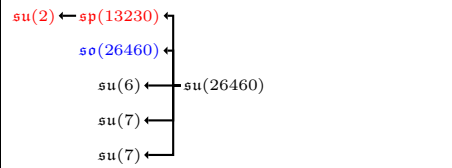
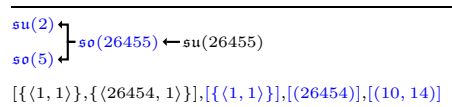
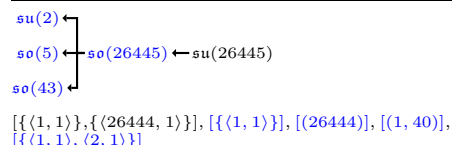
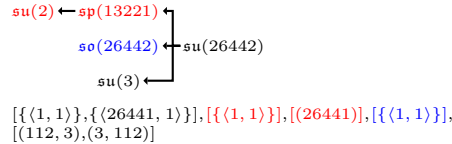
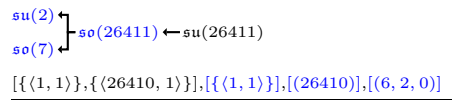
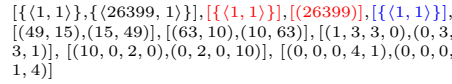
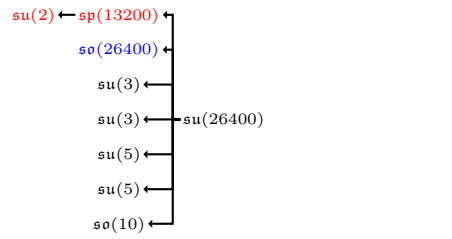
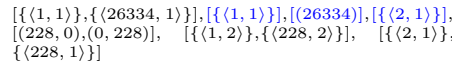
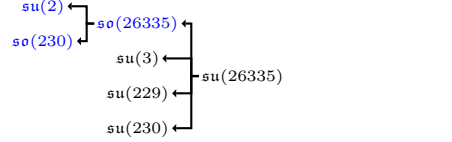
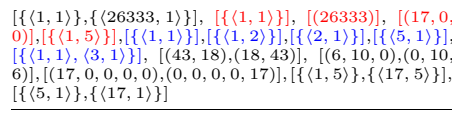
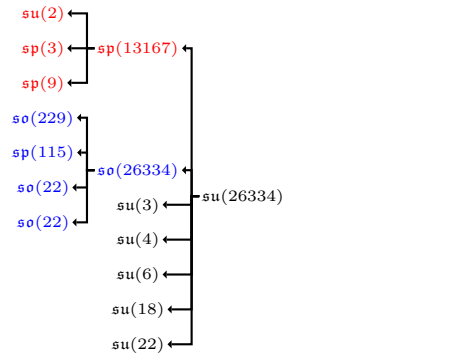
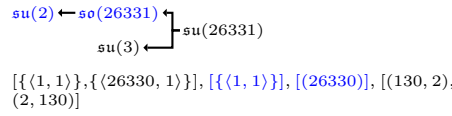
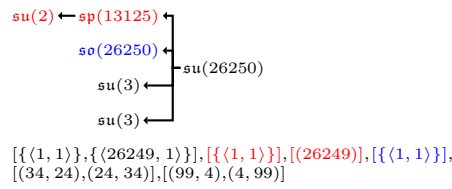
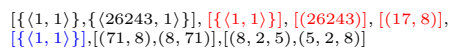
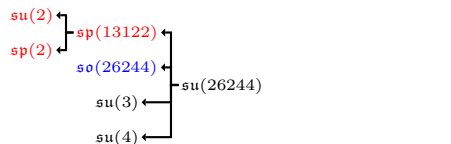
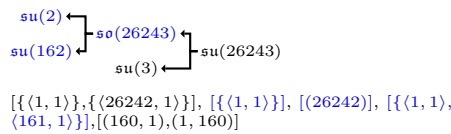
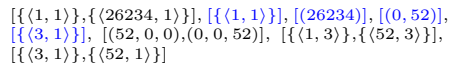
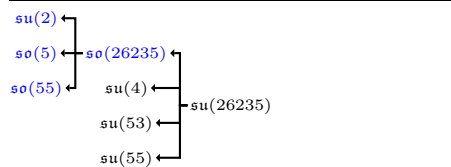
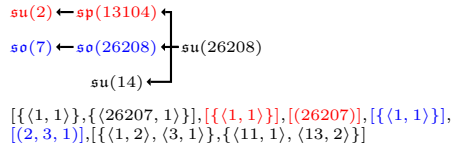
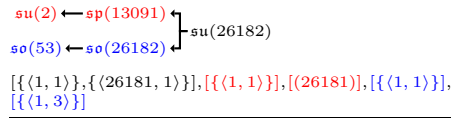
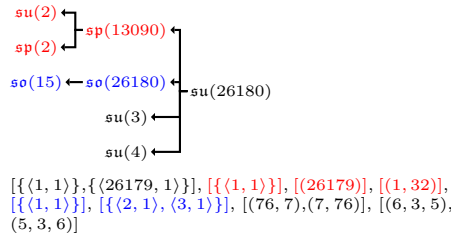
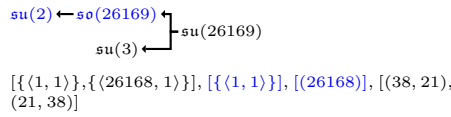
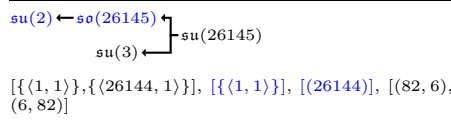
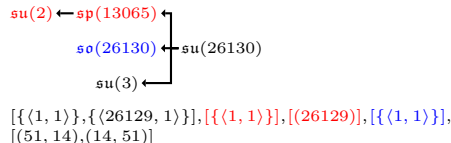
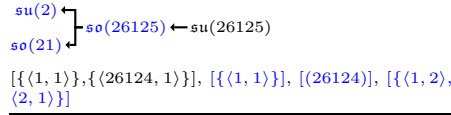
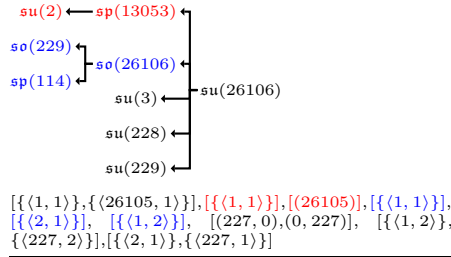


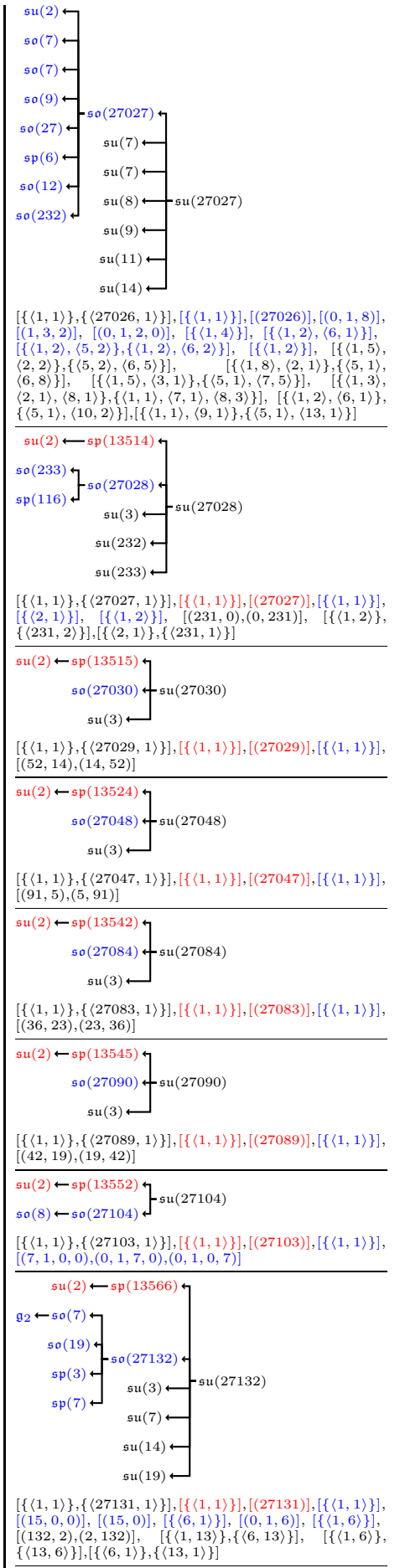
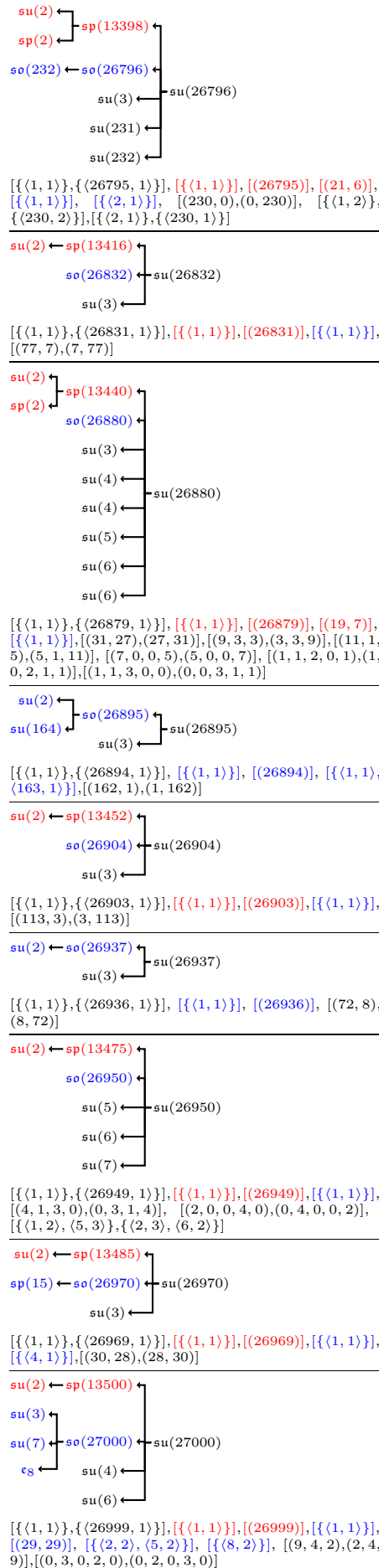
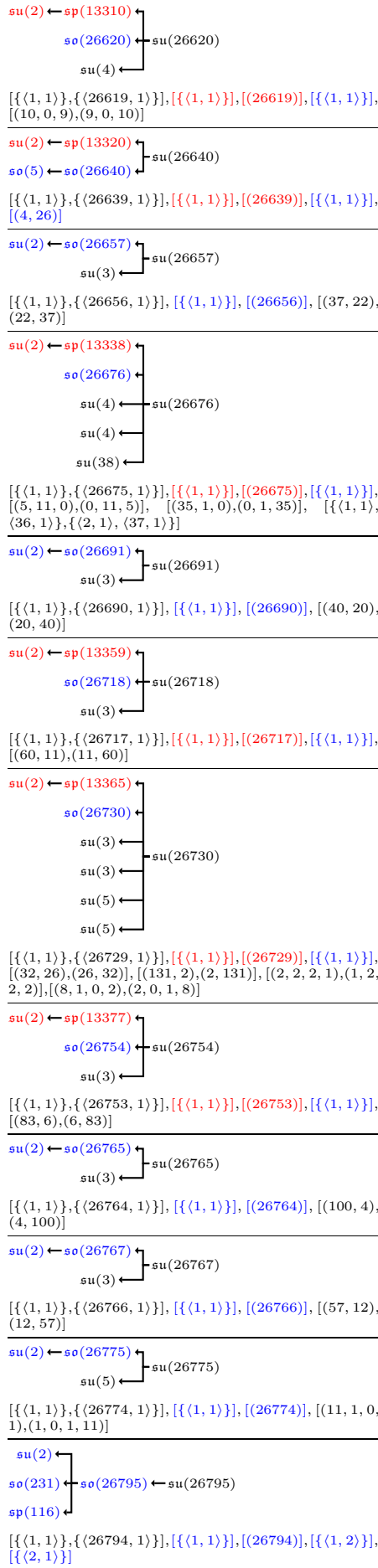
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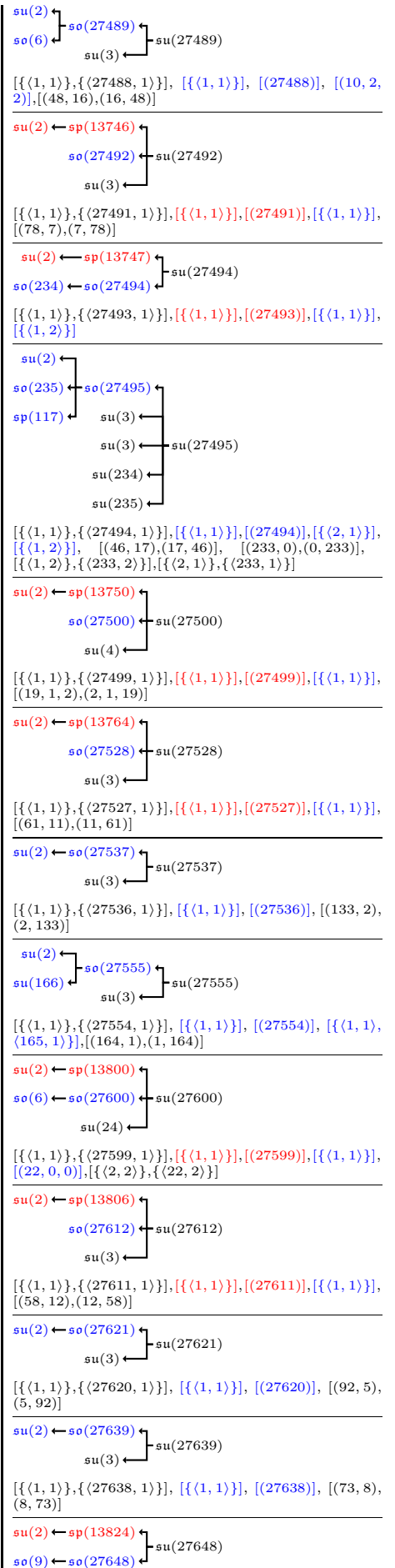
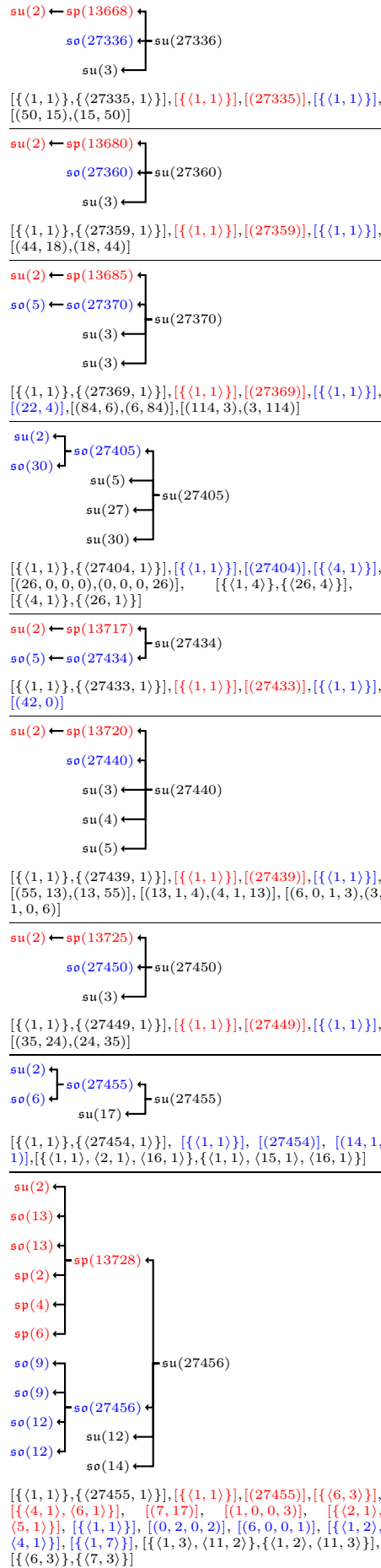
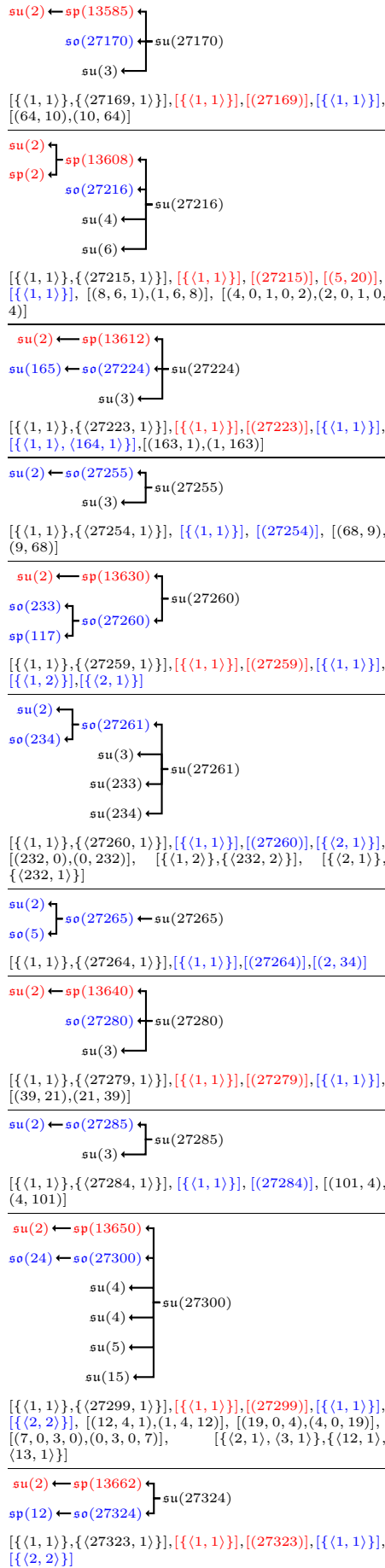


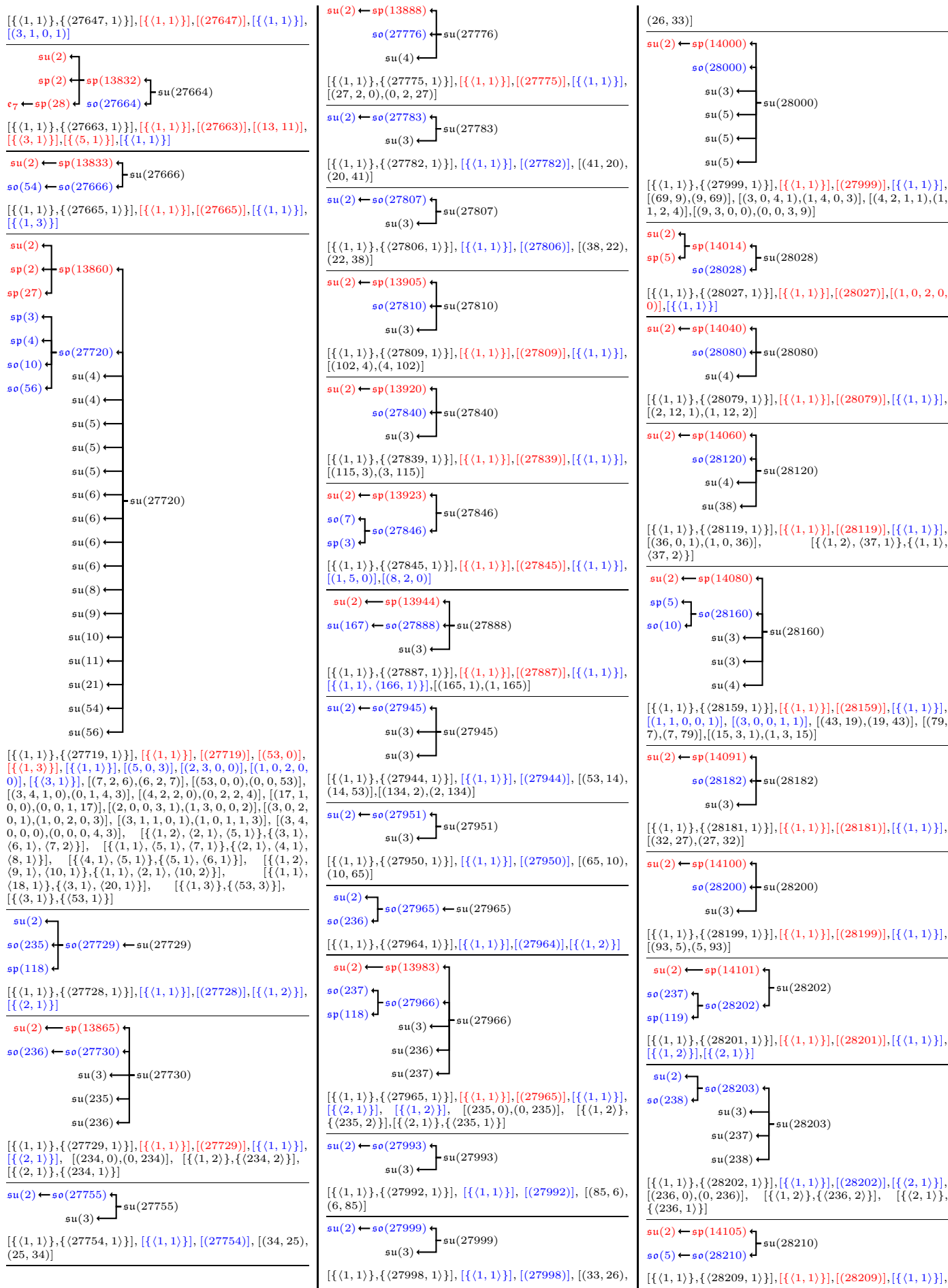
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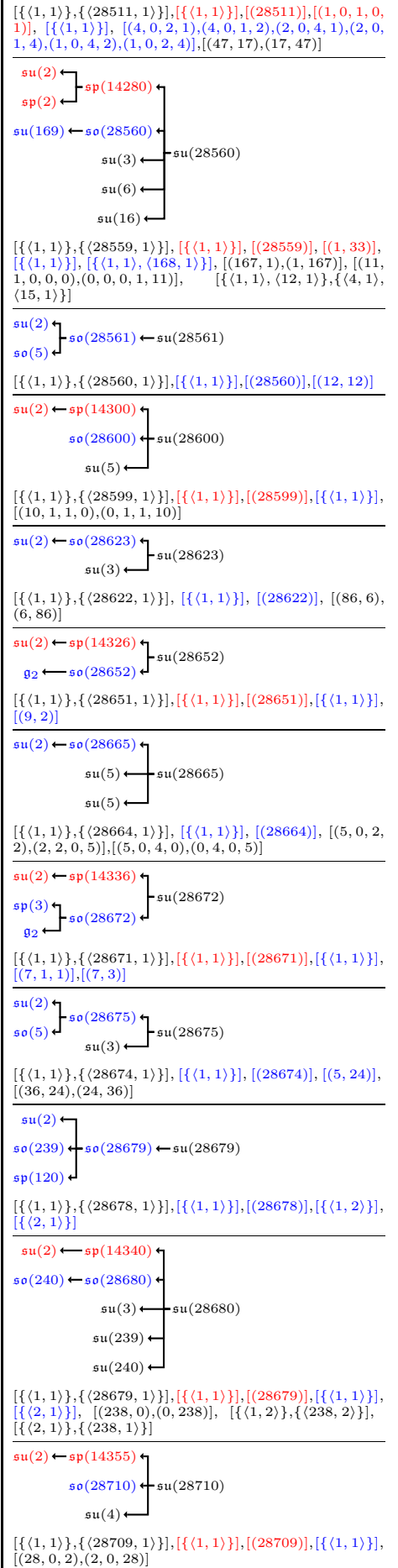
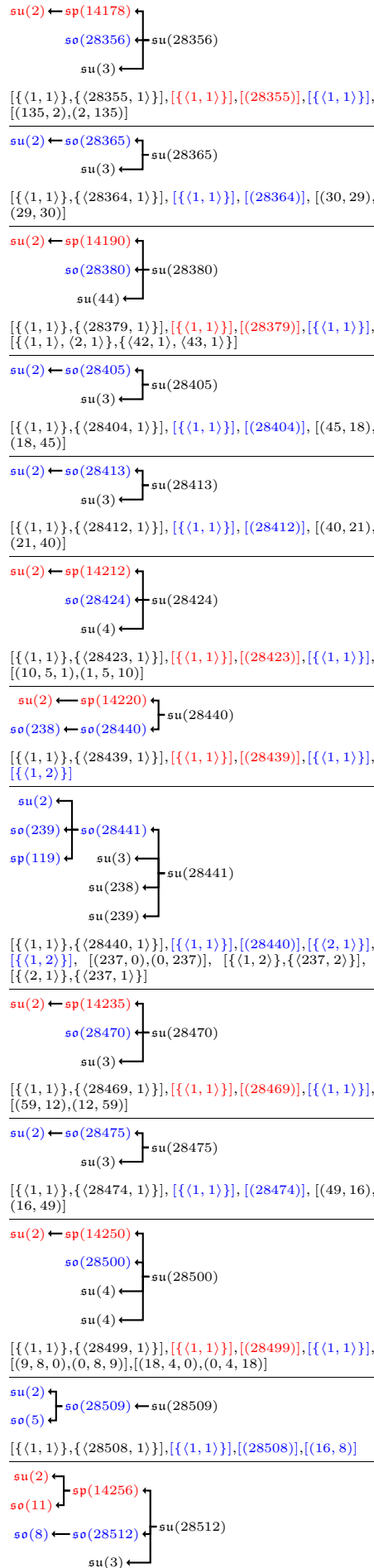
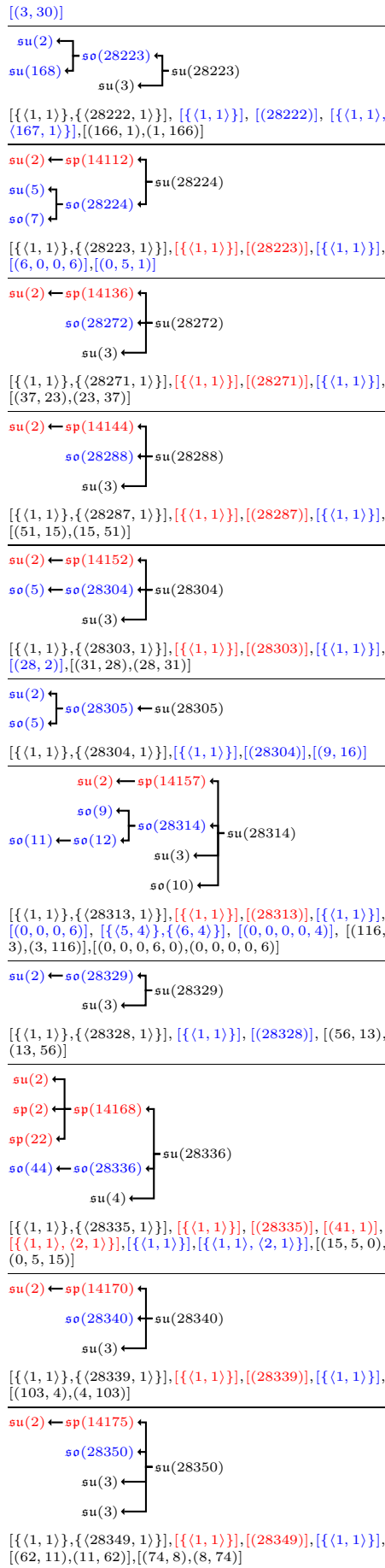


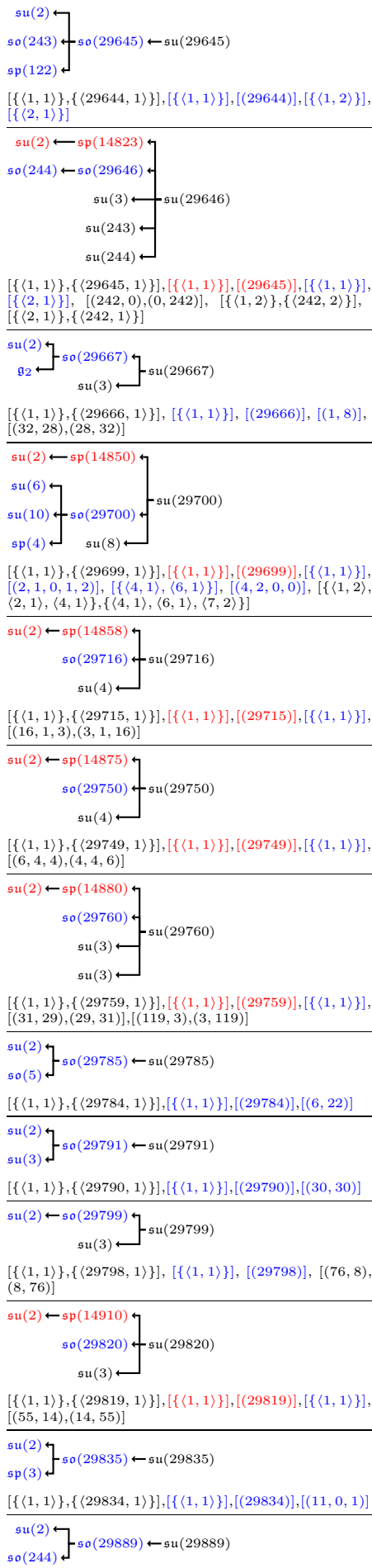
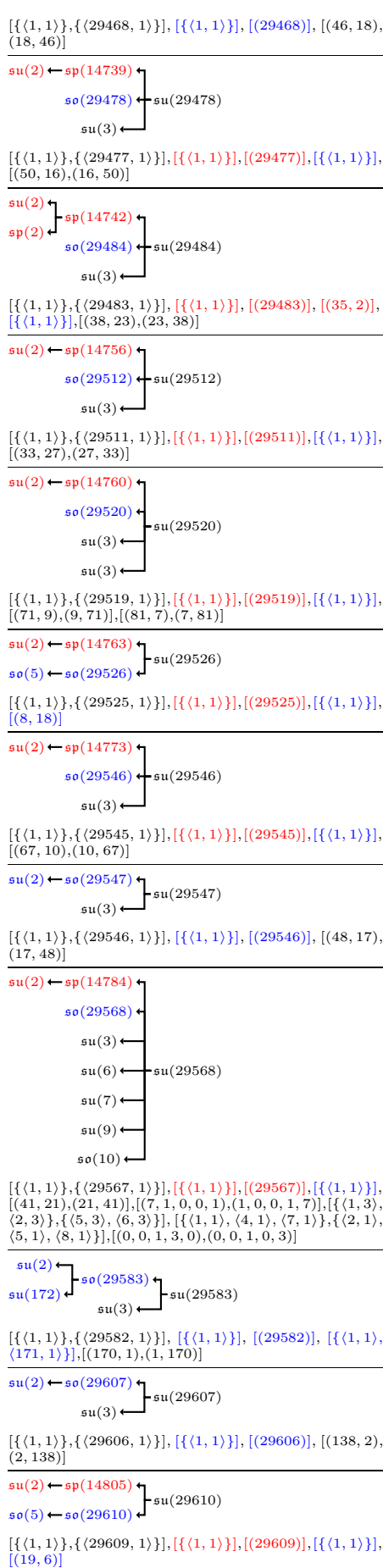
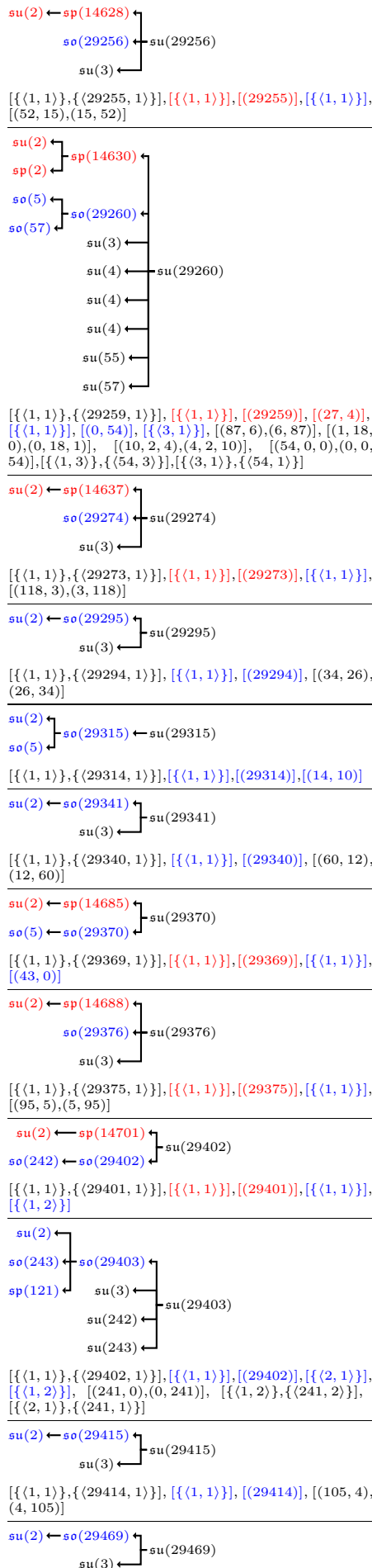


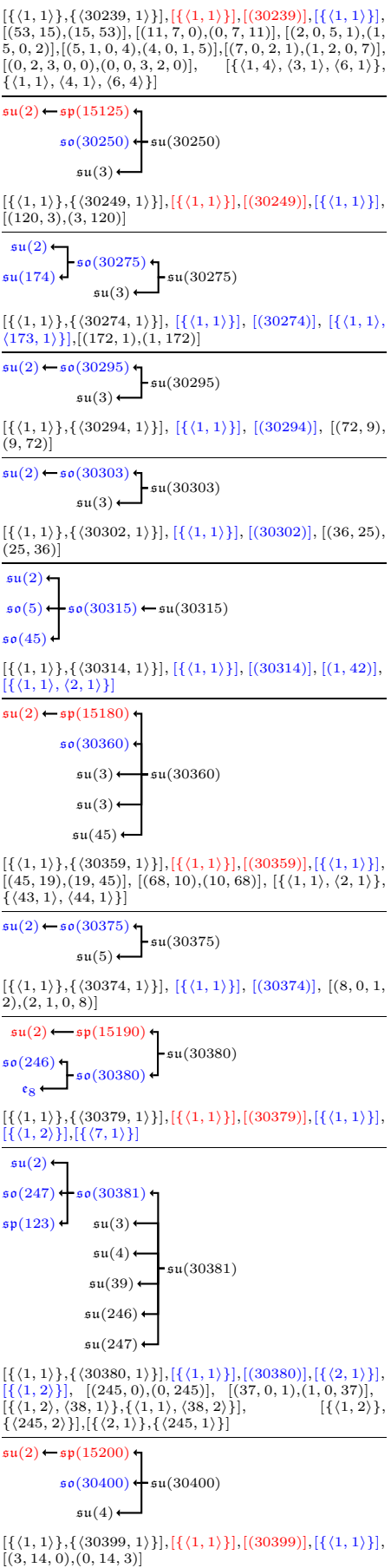
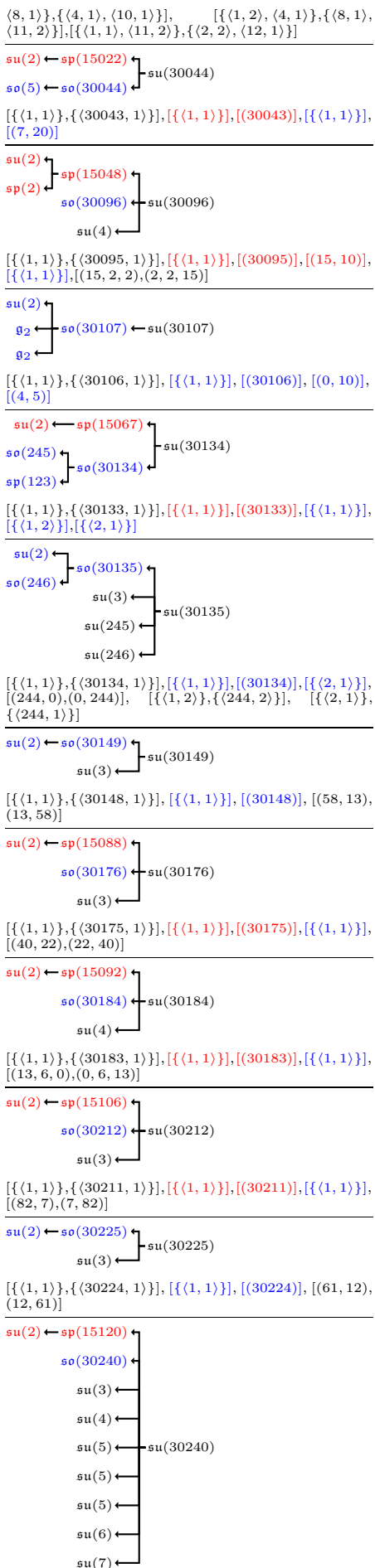
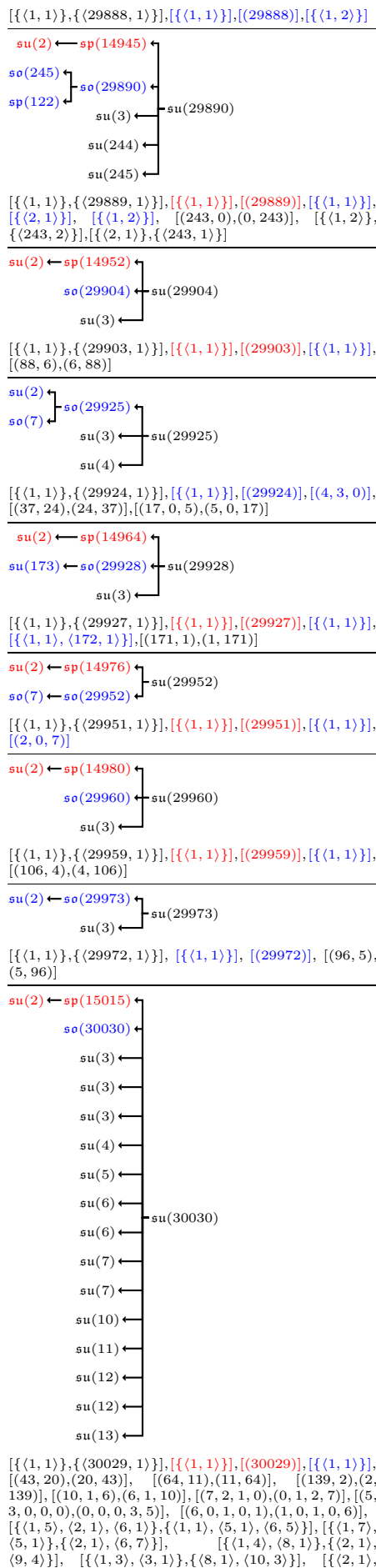




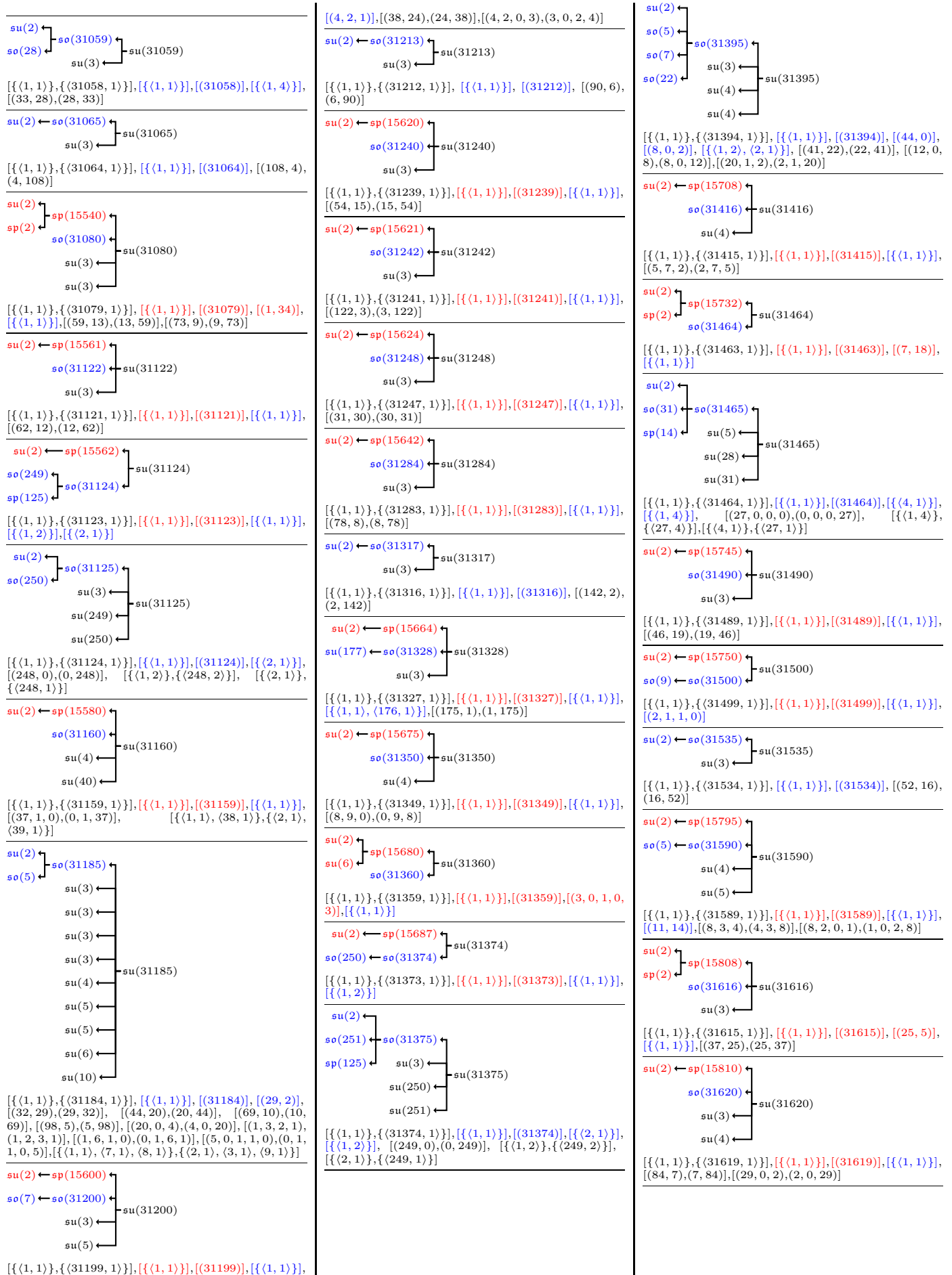


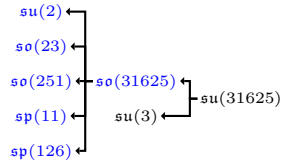




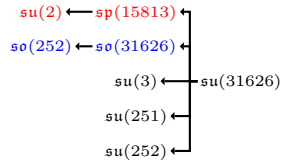




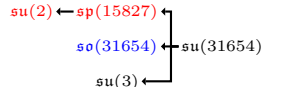




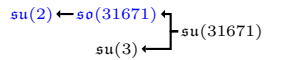
[[{(1, 1)}, {(31624, 1)}], [(1, 1)], [(31624)], [(1, 1), (3, 1)], [(1, 2)], [(1, 2), (2, 1)], [(2, 1)], [(109, 4), (4, 109)]]



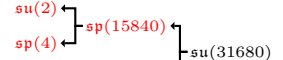
[[{(1, 1)}, {(31625, 1)}], [(1, 1)], [(31625)], [(1, 1)], [(2, 1)], [(250, 0), (0, 250)], [(1, 2), (250, 2)], [(2, 1)], [(250, 1)]]



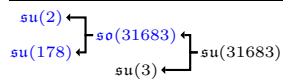
[[{(1, 1)}, {(31653, 1)}], [(1, 1)], [(31653)], [(1, 1)], [(48, 18), (18, 48)]]



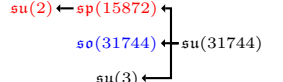
[[{(1, 1)}, {(31670, 1)}], [(1, 1)], [(31670)], [(50, 17), (17, 50)]]



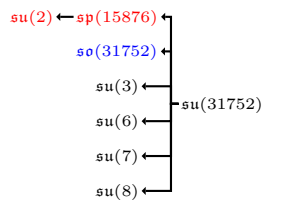
[[{(1, 1)}, {(31679, 1)}], [(1, 1)], [(31679)], [(1, 2, 0, 1)], [(1, 1)], [(5, 1, 0, 0, 0)]]



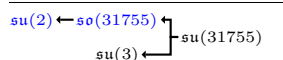
[[{(1, 1)}, {(31682, 1)}], [(1, 1)], [(31682)], [(1, 1), (177, 1)], [(176, 1), (1, 176)]]



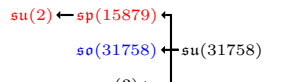
[[{(1, 1)}, {(31743, 1)}], [(1, 1)], [(31743)], [(1, 1)], [(123, 3), (3, 123)]]



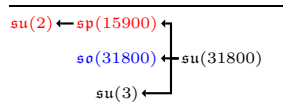
[[{(1, 1)}, {(31751, 1)}], [(1, 1)], [(31751)], [(1, 1)], [(143, 2), (2, 143)], [(1, 0, 2, 2, 0), (0, 2, 2, 0, 1)], [(2, 2), (3, 2)], [(4, 2), (5, 2)], [(2, 1), (4, 2)], [(4, 2), (6, 1)]]



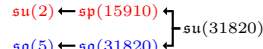
[[{(1, 1)}, {(31754, 1)}], [(1, 1)], [(31754)], [(57, 14), (14, 57)]]



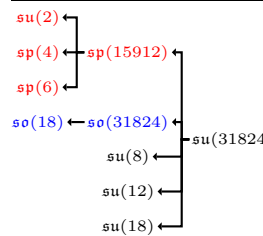
[[{(1, 1)}, {(31757, 1)}], [(1, 1)], [(31757)], [(1, 1)], [(66, 11), (11, 66)]]



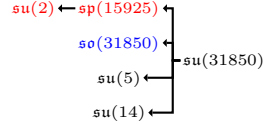
[[{(1, 1)}, {(31799, 1)}], [(1, 1)], [(31799)], [(1, 1)], [(99, 5), (5, 99)]]



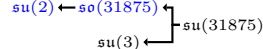
[[{(1, 1)}, {(31819, 1)}], [(1, 1)], [(31819)], [(1, 1)], [(2, 36)]]



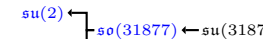
[[{(1, 1)}, {(31823, 1)}], [(1, 1)], [(31823)], [(11, 0, 0, 0)], [(1, 7)], [(1, 4)], [(7, 1)], [(1, 11)], [(7, 11)], [(1, 7)], [(11, 7)], [(7, 1)], [(11, 1)]]



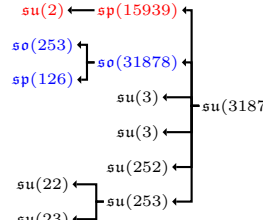
[[{(1, 1)}, {(31849, 1)}], [(1, 1)], [(31849)], [(1, 1)], [(7, 4, 0, 0), (0, 0, 4, 7)], [(2, 1), (11, 1)], [(3, 1), (12, 1)]]



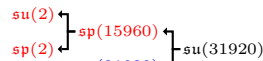
[[{(1, 1)}, {(31874, 1)}], [(1, 1)], [(31874)], [(74, 9), (9, 74)]]



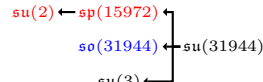
[[{(1, 1)}, {(31876, 1)}], [(1, 1)], [(31876)], [(1, 2)]]



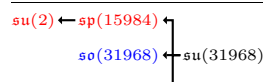
[[{(1, 1)}, {(31877, 1)}], [(1, 1)], [(31877)], [(1, 1)], [(2, 1)], [(1, 2)], [(91, 6), (6, 91)], [(251, 0), (0, 251)], [(1, 2)], [(251, 2)], [(2, 2)], [(251, 1)], [(1, 2), (2, 1)], [(20, 1), (21, 2)], [(1, 1), (3, 1)], [(20, 1), (22, 1)]]



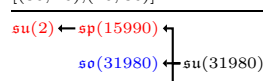
[[{(1, 1)}, {(31919, 1)}], [(1, 1)], [(31919)], [(17, 9)], [(1, 1)]]



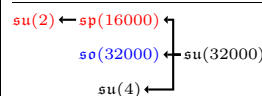
[[{(1, 1)}, {(31943, 1)}], [(1, 1)], [(31943)], [(1, 1)], [(43, 21), (21, 43)]]



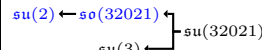
[[{(1, 1)}, {(31967, 1)}], [(1, 1)], [(31967)], [(1, 1)], [(36, 26), (26, 36)]]



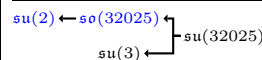
[[{(1, 1)}, {(31979, 1)}], [(1, 1)], [(31979)], [(1, 1)], [(40, 23), (23, 40)]]



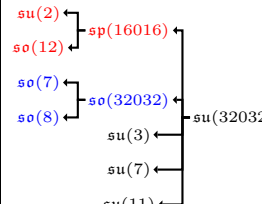
[[{(1, 1)}, {(31999, 1)}], [(1, 1)], [(31999)], [(1, 1)], [(9, 1, 7), (7, 1, 9)]]



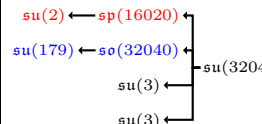
[[{(1, 1)}, {(32020, 1)}], [(1, 1)], [(32020)], [(70, 10), (10, 70)]]



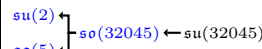
[[{(1, 1)}, {(32024, 1)}], [(1, 1)], [(32024)], [(60, 13), (13, 60)]]



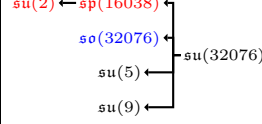
[[{(1, 1)}, {(32031, 1)}], [(1, 1)], [(32031)], [(1, 4), (5, 1)], [(1, 4), (6, 1)], [(1, 1)], [(1, 0, 9)], [(5, 0, 3, 0), (5, 0, 0, 3), (3, 0, 5, 0), (3, 0, 0, 5), (0, 0, 5, 3), (0, 0, 3, 5)], [(63, 12), (12, 63)], [(1, 9), (6, 1)], [(1, 1), (6, 9)], [(1, 5), (10, 1)], [(1, 1), (10, 5)]]



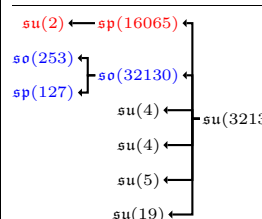
[[{(1, 1)}, {(32039, 1)}], [(1, 1)], [(32039)], [(1, 1)], [(1, 1), (178, 1)], [(79, 8), (8, 79)], [(177, 1), (1, 177)]]



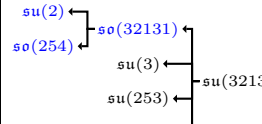
[[{(1, 1)}, {(32044, 1)}], [(1, 1)], [(32044)], [(4, 28)]]



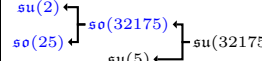
[[{(1, 1)}, {(32075, 1)}], [(1, 1)], [(32075)], [(1, 1)], [(2, 5, 1, 0), (0, 1, 5, 2)], [(1, 2), (2, 1), (7, 1)], [(2, 1), (7, 1), (8, 2)]]



[[{(1, 1)}, {(32129, 1)}], [(1, 1)], [(32129)], [(1, 1)], [(1, 2)], [(2, 1)], [(2, 16, 0), (0, 16, 2)], [(4, 8, 2), (2, 8, 4)], [(16, 0, 1, 0), (0, 1, 0, 16)], [(1, 2), (17, 1)], [(2, 1), (18, 2)]]



[[{(1, 1)}, {(32130, 1)}], [(1, 1)], [(32130)], [(2, 1)], [(252, 0), (0, 252)], [(1, 2), (252, 2)], [(2, 1)], [(252, 1)]]



$\{ \langle 1, 1 \rangle, \langle 32174, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32174 \rangle \}, \{ \langle 2, 2 \rangle \},$
 $\{ \langle 1, 0, 8, 0 \rangle, \langle 0, 8, 0, 1 \rangle \}$

$su(2) \leftarrow sp(16095)$
 $so(32190) \leftarrow su(32190)$
 $su(3) \leftarrow su(32190)$
 $su(3) \leftarrow su(32190)$

$\{ \langle 1, 1 \rangle, \langle 32189, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32189 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 110, 4 \rangle, \langle 4, 110 \rangle \}, \{ \langle 144, 2 \rangle, \langle 2, 144 \rangle \}$

$su(2) \leftarrow sp(16125)$
 $so(32250) \leftarrow su(32250)$
 $su(3) \leftarrow su(32250)$

$\{ \langle 1, 1 \rangle, \langle 32249, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32249 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 124, 3 \rangle, \langle 3, 124 \rangle \}$

$su(2) \leftarrow sp(16128)$
 $so(32256) \leftarrow su(32256)$
 $su(3) \leftarrow su(32256)$
 $su(3) \leftarrow su(32256)$
 $su(4) \leftarrow su(32256)$

$\{ \langle 1, 1 \rangle, \langle 32255, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32255 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 35, 27 \rangle, \langle 27, 35 \rangle \}, \{ \langle 55, 15 \rangle, \langle 15, 55 \rangle \}, \{ \langle 3, 11, 1 \rangle, \langle 1, 11, 3 \rangle \}$

$su(2) \leftarrow so(32319) \leftarrow su(32319)$
 $so(19) \leftarrow so(32319)$

$\{ \langle 1, 1 \rangle, \langle 32318, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32318 \rangle \}, \{ \langle 1, 5 \rangle \}$

$su(2) \leftarrow sp(16168)$
 $so(32336) \leftarrow su(32336)$
 $su(3) \leftarrow su(32336)$

$\{ \langle 1, 1 \rangle, \langle 32335, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32335 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 85, 7 \rangle, \langle 7, 85 \rangle \}$

$su(2) \leftarrow sp(16170)$
 $sp(5) \leftarrow sp(16170)$
 $so(8) \leftarrow so(32340) \leftarrow su(32340)$
 $su(6) \leftarrow su(32340)$
 $su(6) \leftarrow su(32340)$
 $su(7) \leftarrow su(32340)$
 $su(7) \leftarrow su(32340)$
 $su(7) \leftarrow su(32340)$

$\{ \langle 1, 1 \rangle, \langle 32339, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32339 \rangle \}, \{ \langle 1, 1, 0, 1, 0 \rangle \},$
 $\{ \langle 1, 1 \rangle \}, \{ \langle 3, 0, 3, 1 \rangle, \langle 3, 0, 1, 3 \rangle, \langle 1, 0, 3, 3 \rangle \}, \{ \langle 3, 0, 1, 1, 1 \rangle, \langle 1, 1, 1, 0, 3 \rangle \},$
 $\{ \langle 3, 1, 0, 2, 0 \rangle, \langle 0, 2, 0, 1, 3 \rangle \}, \{ \langle 1, 1 \rangle, \langle 5, 4 \rangle \}, \{ \langle 2, 4 \rangle, \langle 6, 1 \rangle \}, \{ \langle 1, 3 \rangle, \langle 3, 1 \rangle \},$
 $\{ \langle 5, 1 \rangle \}, \{ \langle 2, 1 \rangle, \langle 4, 1 \rangle, \langle 6, 3 \rangle \}, \{ \langle 1, 4 \rangle, \langle 5, 2 \rangle \}, \{ \langle 2, 2 \rangle, \langle 6, 4 \rangle \}$

$su(2) \leftarrow so(32361) \leftarrow su(32361)$
 $su(3) \leftarrow su(32361)$

$\{ \langle 1, 1 \rangle, \langle 32360, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32360 \rangle \}, \{ \langle 45, 20 \rangle, \langle 20, 45 \rangle \}$

$su(2) \leftarrow sp(16182)$
 $sp(2) \leftarrow sp(16182)$
 $so(32364) \leftarrow su(32364)$
 $su(4) \leftarrow su(32364)$

$\{ \langle 1, 1 \rangle, \langle 32363, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32363 \rangle \}, \{ \langle 3, 26 \rangle \},$
 $\{ \langle 1, 1 \rangle \}, \{ \langle 26, 1, 1 \rangle, \langle 1, 1, 26 \rangle \}$

$su(2) \leftarrow sp(16192)$
 $sp(2) \leftarrow sp(16192)$
 $sp(23) \leftarrow sp(16192)$
 $so(46) \leftarrow so(32384) \leftarrow su(32384)$
 $so(254) \leftarrow so(32384)$

$\{ \langle 1, 1 \rangle, \langle 32383, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32383 \rangle \}, \{ \langle 43, 1 \rangle \},$
 $\{ \langle 1, 1 \rangle, \langle 2, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 1, 1 \rangle, \langle 2, 1 \rangle \}, \{ \langle 1, 2 \rangle \}$

$su(2) \leftarrow so(32385) \leftarrow su(32385)$
 $so(255) \leftarrow so(32385)$
 $sp(127) \leftarrow su(3) \leftarrow su(32385)$
 $su(254) \leftarrow su(32385)$
 $su(255) \leftarrow su(32385)$

$\{ \langle 1, 1 \rangle, \langle 32384, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32384 \rangle \}, \{ \langle 2, 1 \rangle \},$
 $\{ \langle 1, 2 \rangle \}, \{ \langle 253, 0 \rangle, \langle 0, 253 \rangle \}, \{ \langle 1, 2 \rangle, \langle 253, 2 \rangle \},$
 $\{ \langle 2, 1 \rangle, \langle 253, 1 \rangle \}$

$su(2) \leftarrow so(32399) \leftarrow su(32399)$
 $su(180) \leftarrow su(3) \leftarrow su(32399)$

$\{ \langle 1, 1 \rangle, \langle 32398, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32398 \rangle \}, \{ \langle 1, 1 \rangle, \langle 179, 1 \rangle \},$
 $\{ \langle 178, 1 \rangle, \langle 1, 178 \rangle \}$

$su(2) \leftarrow so(32421) \leftarrow su(32421)$
 $su(3) \leftarrow su(32421)$

$\{ \langle 1, 1 \rangle, \langle 32420, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32420 \rangle \}, \{ \langle 100, 5 \rangle, \langle 5, 100 \rangle \}$

$su(2) \leftarrow sp(16215)$
 $so(32430) \leftarrow su(32430)$
 $su(46) \leftarrow su(32430)$

$\{ \langle 1, 1 \rangle, \langle 32429, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32429 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 1, 1 \rangle, \langle 2, 1 \rangle \}, \{ \langle 44, 1 \rangle, \langle 45, 1 \rangle \}$

$su(2) \leftarrow sp(16226)$
 $so(57) \leftarrow so(32452) \leftarrow su(32452)$
 $so(57) \leftarrow so(32452)$

$\{ \langle 1, 1 \rangle, \langle 32451, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32451 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 1, 3 \rangle \}$

$su(2) \leftarrow sp(16240)$
 $so(32480) \leftarrow su(32480)$
 $su(3) \leftarrow su(32480)$
 $su(4) \leftarrow su(32480)$

$\{ \langle 1, 1 \rangle, \langle 32479, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32479 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 34, 28 \rangle, \langle 28, 34 \rangle \}, \{ \langle 23, 3, 0 \rangle, \langle 0, 3, 23 \rangle \}$

$su(2) \leftarrow so(32487) \leftarrow su(32487)$
 $so(15) \leftarrow so(32487)$

$\{ \langle 1, 1 \rangle, \langle 32486, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32486 \rangle \}, \{ \langle 1, 3 \rangle, \langle 2, 1 \rangle \}$

$su(2) \leftarrow sp(16250)$
 $so(6) \leftarrow so(32500) \leftarrow su(32500)$
 $su(3) \leftarrow su(32500)$
 $su(4) \leftarrow su(32500)$
 $su(4) \leftarrow su(32500)$
 $su(25) \leftarrow su(32500)$

$\{ \langle 1, 1 \rangle, \langle 32499, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32499 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 23, 0, 0 \rangle \}, \{ \langle 39, 24 \rangle, \langle 24, 39 \rangle \}, \{ \langle 19, 4, 0 \rangle, \langle 0, 4, 19 \rangle \},$
 $\{ \langle 24, 0, 3 \rangle, \langle 3, 0, 24 \rangle \}, \{ \langle 2, 2 \rangle, \langle 23, 2 \rangle \}$

$su(2) \leftarrow so(32509) \leftarrow su(32509)$
 $so(59) \leftarrow so(32509)$
 $su(4) \leftarrow su(32509)$
 $su(57) \leftarrow su(32509)$
 $su(59) \leftarrow su(32509)$

$\{ \langle 1, 1 \rangle, \langle 32508, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32508 \rangle \}, \{ \langle 0, 56 \rangle \},$
 $\{ \langle 3, 1 \rangle \}, \{ \langle 56, 0, 0 \rangle, \langle 0, 0, 56 \rangle \}, \{ \langle 1, 3 \rangle, \langle 56, 3 \rangle \},$
 $\{ \langle 3, 1 \rangle, \langle 56, 1 \rangle \}$

$su(2) \leftarrow sp(16275)$
 $so(32550) \leftarrow su(32550)$
 $su(3) \leftarrow su(32550)$

$\{ \langle 1, 1 \rangle, \langle 32549, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32549 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 92, 6 \rangle, \langle 6, 92 \rangle \}$

$su(2) \leftarrow so(32585) \leftarrow su(32585)$
 $su(4) \leftarrow su(32585)$

$\{ \langle 1, 1 \rangle, \langle 32584, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32584 \rangle \}, \{ \langle 13, 4, 1 \rangle, \langle 1, 4, 13 \rangle \}$

$su(2) \leftarrow so(32589) \leftarrow su(32589)$
 $su(3) \leftarrow su(32589)$

$\{ \langle 1, 1 \rangle, \langle 32588, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32588 \rangle \}, \{ \langle 53, 16 \rangle, \langle 16, 53 \rangle \}$

$su(2) \leftarrow so(32631) \leftarrow su(32631)$
 $su(3) \leftarrow su(32631)$

$\{ \langle 1, 1 \rangle, \langle 32630, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32630 \rangle \}, \{ \langle 145, 2 \rangle, \langle 2, 145 \rangle \}$

$su(2) \leftarrow so(32637) \leftarrow su(32637)$
 $su(3) \leftarrow su(32637)$

$\{ \langle 1, 1 \rangle, \langle 32636, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32636 \rangle \}, \{ \langle 42, 22 \rangle, \langle 22, 42 \rangle \}$

$su(2) \leftarrow so(32639) \leftarrow su(32639)$
 $so(255) \leftarrow so(32639)$
 $sp(128) \leftarrow su(32639)$

$\{ \langle 1, 1 \rangle, \langle 32638, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32638 \rangle \}, \{ \langle 1, 2 \rangle \},$
 $\{ \langle 2, 1 \rangle \}$

$su(2) \leftarrow sp(16320)$
 $so(256) \leftarrow so(32640) \leftarrow su(32640)$
 $su(3) \leftarrow su(32640)$
 $su(3) \leftarrow su(32640)$
 $su(3) \leftarrow su(32640)$
 $su(255) \leftarrow su(32640)$
 $su(256) \leftarrow su(32640)$

$\{ \langle 1, 1 \rangle, \langle 32639, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32639 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 2, 1 \rangle \}, \{ \langle 33, 29 \rangle, \langle 29, 33 \rangle \}, \{ \langle 47, 19 \rangle, \langle 19, 47 \rangle \}, \{ \langle 67, 11 \rangle, \langle 11, 67 \rangle \},$
 $\{ \langle 254, 0 \rangle, \langle 0, 254 \rangle \}, \{ \langle 1, 2 \rangle, \langle 254, 2 \rangle \}, \{ \langle 2, 1 \rangle, \langle 254, 1 \rangle \}$

$su(2) \leftarrow sp(16335)$
 $so(6) \leftarrow so(32670) \leftarrow su(32670)$
 $su(6) \leftarrow su(32670)$
 $su(9) \leftarrow su(32670)$
 $su(11) \leftarrow su(32670)$

$\{ \langle 1, 1 \rangle, \langle 32669, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32669 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 1, 8, 8 \rangle \}, \{ \langle 0, 7, 0, 0, 0 \rangle, \langle 0, 0, 0, 7, 0 \rangle \}, \{ \langle 2, 4 \rangle \},$
 $\{ \langle 7, 4 \rangle \}, \{ \langle 4, 2 \rangle \}, \{ \langle 7, 2 \rangle \}$

$su(2) \leftarrow sp(16340)$
 $so(32680) \leftarrow su(32680)$
 $su(3) \leftarrow su(32680)$

$\{ \langle 1, 1 \rangle, \langle 32679, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32679 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 75, 9 \rangle, \langle 9, 75 \rangle \}$

$su(2) \leftarrow so(32725) \leftarrow su(32725)$
 $sp(3) \leftarrow su(4) \leftarrow su(32725)$
 $su(5) \leftarrow su(32725)$

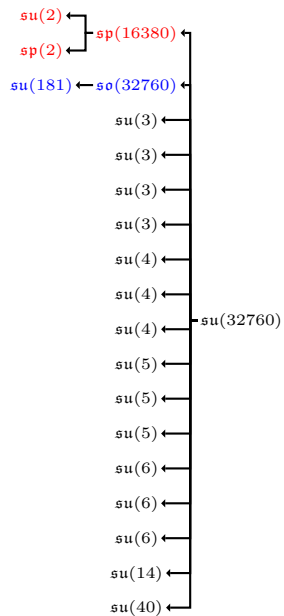
$\{ \langle 1, 1 \rangle, \langle 32724, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32724 \rangle \}, \{ \langle 4, 0, 0, 2 \rangle \},$
 $\{ \langle 4, 4, 0 \rangle \}, \{ \langle 14, 1, 4 \rangle, \langle 4, 1, 14 \rangle \}, \{ \langle 9, 0, 0, 4 \rangle, \langle 4, 0, 0, 9 \rangle \}$

$su(2) \leftarrow sp(16368)$
 $so(32736) \leftarrow su(32736)$
 $su(3) \leftarrow su(32736)$

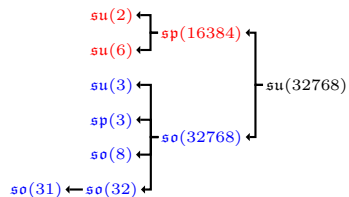
$\{ \langle 1, 1 \rangle, \langle 32735, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32735 \rangle \}, \{ \langle 1, 1 \rangle \},$
 $\{ \langle 32, 30 \rangle, \langle 30, 32 \rangle \}$

$su(2) \leftarrow so(32745) \leftarrow su(32745)$
 $su(3) \leftarrow su(32745)$

$\{ \langle 1, 1 \rangle, \langle 32744, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \{ \langle 32744 \rangle \}, \{ \langle 58, 14 \rangle, \langle 14, 58 \rangle \}$



$\{ \langle 1, 1 \rangle, \langle 32759, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \langle 32759 \rangle, \langle 13, 12 \rangle,$
 $\{ \langle 1, 1 \rangle \}, \{ \langle 1, 1 \rangle, \langle 180, 1 \rangle \}, (51, 17), (17, 51), (111,$
 $4), (4, 111), (125, 3), (3, 125), (179, 1), (1, 179), (12,$
 $1, 5), (5, 1, 12), (20, 2, 1), (1, 2, 20), (38, 0, 1), (1, 0,$
 $38), (4, 0, 2, 3), (3, 2, 0, 4), (5, 3, 1, 0), (0, 1, 3, 5),$
 $(11, 0, 0, 3), (3, 0, 0, 11), (5, 1, 0, 0, 2), (2, 0, 0, 1, 5),$
 $(6, 0, 0, 2, 0), (0, 2, 0, 0, 6), (12, 0, 0, 0, 1), (1, 0, 0, 0,$
 $12), \{ \langle 1, 4 \rangle, \langle 13, 1 \rangle \}, \{ \langle 1, 1 \rangle, \langle 13, 4 \rangle \}, \{ \langle 1, 2 \rangle,$
 $\langle 39, 1 \rangle \}, \{ \langle 1, 1 \rangle, \langle 39, 2 \rangle \}$



$\{ \langle 1, 1 \rangle \}, \langle 32767, 1 \rangle \}, \{ \langle 1, 1 \rangle \}, \langle 32767 \rangle, \langle 1, 1, 1, 1,$
 $1 \rangle, \{ \langle 1, 1 \rangle \}, \langle 31, 31 \rangle, \langle 3, 3, 1 \rangle, \langle 3, 1, 1, 1 \rangle, (1, 1, 1, 3,$
 $1), (1, 1, 1, 3), \langle 15, 1 \rangle, \langle 16, 1 \rangle, \{ \langle 15, 1 \rangle \}$