
Resolution of Kronecker Squares in $Sp(16, R)$

$$\begin{array}{cccccc}
<1;(0)>\otimes\{2\} & <2;(0)> & + & <2;(2^2)> & + & <2;(4)> & + & <2;(4^2)> & + & <2;(62)> \\
& + & <2;(8)> & & & & & & & & \\
<1;(0)>\otimes\{1^2\} & <2;(2)> & + & <2;(42)> & + & <2;(6)> & & & & \\
<1;(1)>\otimes\{2\} & <2;(2)> & + & <2;(21^2)> & + & <2;(31)> & + & 2 <2;(42)> & + & <2;(51)> \\
& + & <2;(53)> & + & <2;(6)> & + & <2;(61^2)> & + & 2 <2;(64)> & + & <2;(71)> \\
& + & <2;(73)> & + & 2 <2;(82)> & + & <2;(91)> & + & <2;(10)> & & \\
<1;(1)>\otimes\{1^2\} & <2;(1^2)> & + & <2;(2^2)> & + & <2;(31)> & + & <2;(3^2)> & + & <2;(4)> \\
& + & <2;(41^2)> & + & <2;(4^2)> & + & <2;(51)> & + & <2;(53)> & + & <2;(5^2)> \\
& + & 2 <2;(62)> & + & <2;(71)> & + & <2;(73)> & + & <2;(8)> & + & <2;(81^2)> \\
& + & <2;(91)> & & & & & & & & \\
<1;(2)>\otimes\{2\} & <2;(2^2)> & + & <2;(3^2)> & + & <2;(4)> & + & <2;(41^2)> & + & <2;(4^2)> \\
& + & <2;(51)> & + & <2;(5^2)> & + & 2 <2;(62)> & + & <2;(71)> & + & <2;(73)> \\
& + & <2;(8)> & + & <2;(81^2)> & + & <2;(91)> & & & & \\
<1;(2)>\otimes\{1^2\} & <2;(31)> & + & <2;(42)> & + & <2;(51)> & + & <2;(53)> & + & <2;(6)> \\
& + & <2;(61^2)> & + & <2;(64)> & + & <2;(71)> & + & <2;(73)> & + & 2 <2;(82)> \\
& + & <2;(91)> & + & <2;(10)> & & & & & & \\
<1;(1^2)>\otimes\{2\} & <2;(1^4)> & + & <2;(2^2)> & + & <2;(41^2)> & + & <2;(4^2)> & + & <2;(62)> \\
& + & <2;(81^2)> & & & & & & & & \\
<1;(1^2)>\otimes\{1^2\} & <2;(21^2)> & + & <2;(42)> & + & <2;(61^2)> & + & <2;(64)> & + & <2;(82)>
\end{array}$$

$< s1; (0) > \otimes \{2\}$	$< 3; (0) >$ $+ < 3; (62) >$	$+ < 3; (2^2) >$ $+ < 3; (8) >$	$+ < 3; (4) >$	$+ < 3; (42^2) >$	$+ < 3; (4^2) >$
$< s1; (0) > \otimes \{1^2\}$	$< 3; (2) >$	$+ < 3; (2^3) >$	$+ < 3; (42) >$	$+ < 3; (6) >$	
$< s1; (1) > \otimes \{2\}$	$< 3; (2) >$ $+ < 3; (3^2 2) >$ $+ < 3; (51) >$ $+ < 3; (6) >$ $+ < 3; (71) >$ $+ < 3; (10) >$	$+ < 3; (21^2) >$ $+ 2 < 3; (42) >$ $+ < 3; (521) >$ $+ < 3; (61^2) >$ $+ < 3; (721) >$	$+ < 3; (2^3) >$ $+ < 3; (421^2) >$ $+ < 3; (53) >$ $+ 2 < 3; (62^2) >$ $+ < 3; (73) >$	$+ < 3; (31) >$ $+ < 3; (431) >$ $+ < 3; (532) >$ $+ < 3; (631) >$ $+ 2 < 3; (82) >$	$+ < 3; (321) >$ $+ 2 < 3; (4^2 2) >$ $+ < 3; (541) >$ $+ 2 < 3; (64) >$ $+ < 3; (91) >$
$< s1; (1) > \otimes \{1^2\}$	$< 3; (1^2) >$ $+ < 3; (3^2) >$ $+ < 3; (43^2) >$ $+ < 3; (53) >$ $+ < 3; (621^2) >$ $+ < 3; (8) >$	$+ < 3; (2^2) >$ $+ < 3; (4) >$ $+ < 3; (4^2) >$ $+ < 3; (532) >$ $+ < 3; (631) >$ $+ < 3; (81^2) >$	$+ < 3; (2^2 1^2) >$ $+ < 3; (41^2) >$ $+ < 3; (4^2 1^2) >$ $+ < 3; (541) >$ $+ < 3; (71) >$ $+ < 3; (91) >$	$+ < 3; (31) >$ $+ 2 < 3; (42^2) >$ $+ < 3; (51) >$ $+ < 3; (521) >$ $+ < 3; (721) >$	$+ < 3; (321) >$ $+ < 3; (431) >$ $+ < 3; (521) >$ $+ < 3; (62) >$ $+ < 3; (73) >$
$< s1; (2) > \otimes \{2\}$	$< 3; (2^2) >$ $+ < 3; (41^2) >$ $+ 2 < 3; (4^2) >$ $+ < 3; (531^2) >$ $+ < 3; (621^2) >$ $+ 2 < 3; (73) >$	$+ < 3; (321) >$ $+ < 3; (42) >$ $+ < 3; (4^2 1^2) >$ $+ 2 < 3; (532) >$ $+ 3 < 3; (631) >$ $+ < 3; (8) >$	$+ < 3; (3^2) >$ $+ 2 < 3; (42^2) >$ $+ < 3; (51) >$ $+ 2 < 3; (541) >$ $+ < 3; (64) >$ $+ < 3; (81^2) >$	$+ < 3; (3^2 1^2) >$ $+ < 3; (431) >$ $+ 2 < 3; (521) >$ $+ < 3; (53) >$ $+ < 3; (71) >$ $+ < 3; (82) >$	$+ < 3; (4) >$ $+ < 3; (43^2) >$ $+ < 3; (53) >$ $+ 3 < 3; (62) >$ $+ 2 < 3; (721) >$ $+ < 3; (91) >$
$< s1; (2) > \otimes \{1^2\}$	$< 3; (2^3) >$ $+ < 3; (421^2) >$ $+ 2 < 3; (53) >$ $+ < 3; (61^2) >$ $+ < 3; (71) >$ $+ < 3; (10) >$	$+ < 3; (31) >$ $+ 2 < 3; (431) >$ $+ < 3; (531^2) >$ $+ < 3; (62) >$ $+ 2 < 3; (721) >$	$+ < 3; (321) >$ $+ 2 < 3; (4^2 2) >$ $+ < 3; (532) >$ $+ 3 < 3; (62^2) >$ $+ 2 < 3; (73) >$	$+ < 3; (3^2 2) >$ $+ < 3; (51) >$ $+ 2 < 3; (541) >$ $+ 2 < 3; (631) >$ $+ 3 < 3; (82) >$	$+ 2 < 3; (42) >$ $+ 2 < 3; (521) >$ $+ < 3; (6) >$ $+ 3 < 3; (64) >$ $+ < 3; (91) >$
$< s1; (1^2) > \otimes \{2\}$	$< 3; (1^4) >$ $+ < 3; (3^2 1^2) >$ $+ < 3; (43^2) >$ $+ < 3; (531^2) >$ $+ < 3; (631) >$	$+ < 3; (2^2) >$ $+ < 3; (41^2) >$ $+ < 3; (4^2) >$ $+ < 3; (532) >$ $+ < 3; (71^3) >$	$+ < 3; (2^2 1^2) >$ $+ < 3; (41^4) >$ $+ < 3; (4^2 1^2) >$ $+ < 3; (541) >$ $+ < 3; (721) >$	$+ < 3; (31^3) >$ $+ 2 < 3; (42^2) >$ $+ < 3; (51^3) >$ $+ < 3; (62) >$ $+ < 3; (81^2) >$	$+ < 3; (321) >$ $+ < 3; (431) >$ $+ < 3; (521) >$ $+ 2 < 3; (621^2) >$
$< s1; (1^2) > \otimes \{1^2\}$	$< 3; (21^2) >$ $+ < 3; (3^2 2) >$ $+ < 3; (51^3) >$ $+ < 3; (61^2) >$ $+ < 3; (71^3) >$	$+ < 3; (21^4) >$ $+ < 3; (42) >$ $+ < 3; (521) >$ $+ < 3; (61^4) >$ $+ < 3; (721) >$	$+ < 3; (2^3) >$ $+ 2 < 3; (421^2) >$ $+ < 3; (531^2) >$ $+ 2 < 3; (62^2) >$ $+ < 3; (82) >$	$+ < 3; (31^3) >$ $+ < 3; (431) >$ $+ < 3; (532) >$ $+ < 3; (631) >$	$+ < 3; (321) >$ $+ 2 < 3; (4^2 2) >$ $+ < 3; (541) >$ $+ < 3; (64) >$

$< s1; (3) > \otimes \{2\}$	$< 3; (3^2 2) >$ $+ 2 < 3; (53) >$ $+ < 3; (61^2) >$ $+ < 3; (71) >$ $+ < 3; (10) >$	$+ < 3; (42) >$ $+ < 3; (53 1^2) >$ $+ < 3; (62) >$ $+ 2 < 3; (721) >$	$+ < 3; (431) >$ $+ < 3; (532) >$ $+ 2 < 3; (62^2) >$ $+ 2 < 3; (73) >$	$+ 2 < 3; (4^2 2) >$ $+ 2 < 3; (541) >$ $+ 2 < 3; (631) >$ $+ 3 < 3; (82) >$	$+ < 3; (521) >$ $+ < 3; (6) >$ $+ 3 < 3; (64) >$ $+ < 3; (91) >$
$< s1; (3) > \otimes \{1^2\}$	$< 3; (3^2) >$ $+ < 3; (4^2 1^2) >$ $+ 2 < 3; (541) >$ $+ < 3; (64) >$ $+ < 3; (81^2) >$	$+ < 3; (42^2) >$ $+ < 3; (51) >$ $+ 2 < 3; (5^2) >$ $+ < 3; (71) >$ $+ < 3; (82) >$	$+ < 3; (431) >$ $+ < 3; (521) >$ $+ 2 < 3; (62) >$ $+ < 3; (721) >$ $+ < 3; (91) >$	$+ < 3; (43^2) >$ $+ < 3; (53) >$ $+ < 3; (62 1^2) >$ $+ 3 < 3; (73) >$	$+ < 3; (4^2) >$ $+ 2 < 3; (532) >$ $+ 3 < 3; (631) >$ $+ < 3; (8) >$
$< s1; (21) > \otimes \{2\}$	$< 3; (2^3) >$ $+ 2 < 3; (421^2) >$ $+ < 3; (53) >$ $+ < 3; (61^4) >$ $+ < 3; (71^3) >$	$+ < 3; (31^3) >$ $+ 2 < 3; (431) >$ $+ 2 < 3; (531^2) >$ $+ < 3; (621^2) >$ $+ 2 < 3; (721) >$	$+ < 3; (321) >$ $+ 2 < 3; (4^2 2) >$ $+ < 3; (532) >$ $+ 3 < 3; (62^2) >$ $+ < 3; (73) >$	$+ < 3; (3^2 2) >$ $+ < 3; (51^3) >$ $+ 2 < 3; (541) >$ $+ 2 < 3; (631) >$ $+ < 3; (82) >$	$+ < 3; (42) >$ $+ 2 < 3; (521) >$ $+ < 3; (61^2) >$ $+ 2 < 3; (64) >$
$< s1; (21) > \otimes \{1^2\}$	$< 3; (2^2 1^2) >$ $+ < 3; (41^4) >$ $+ < 3; (4^2) >$ $+ < 3; (531^2) >$ $+ 3 < 3; (621^2) >$ $+ < 3; (81^2) >$	$+ < 3; (321) >$ $+ < 3; (421^2) >$ $+ 2 < 3; (4^2 1^2) >$ $+ < 3; (532) >$ $+ 3 < 3; (631) >$	$+ < 3; (3^2) >$ $+ 2 < 3; (42^2) >$ $+ < 3; (51^3) >$ $+ 2 < 3; (541) >$ $+ < 3; (71^3) >$	$+ < 3; (3^2 1^2) >$ $+ < 3; (431) >$ $+ 2 < 3; (521) >$ $+ < 3; (53) >$ $+ 2 < 3; (721) >$	$+ < 3; (41^2) >$ $+ < 3; (43^2) >$ $+ < 3; (53) >$ $+ < 3; (62) >$ $+ < 3; (73) >$
$< s1; (1^3) > \otimes \{2\}$	$< 3; (21^4) >$ $+ < 3; (62^2) >$	$+ < 3; (2^3) >$	$+ < 3; (421^2) >$	$+ < 3; (4^2 2) >$	$+ < 3; (61^4) >$
$< s1; (1^3) > \otimes \{1^2\}$	$< 3; (1^6) >$ $+ < 3; (621^2) >$	$+ < 3; (2^2 1^2) >$	$+ < 3; (41^4) >$	$+ < 3; (42^2) >$	$+ < 3; (4^2 1^2) >$
$< s1; (4) > \otimes \{2\}$	$< 3; (4^2) >$ $+ < 3; (631) >$ $+ < 3; (81^2) >$	$+ < 3; (532) >$ $+ < 3; (64) >$ $+ < 3; (82) >$	$+ < 3; (541) >$ $+ < 3; (721) >$ $+ < 3; (91) >$	$+ < 3; (5^2) >$ $+ 2 < 3; (73) >$	$+ < 3; (62) >$ $+ < 3; (8) >$
$< s1; (4) > \otimes \{1^2\}$	$< 3; (4^2 2) >$ $+ 2 < 3; (64) >$ $+ < 3; (91) >$	$+ < 3; (53) >$ $+ < 3; (71) >$ $+ < 3; (10) >$	$+ < 3; (541) >$ $+ < 3; (721) >$	$+ < 3; (62^2) >$ $+ < 3; (73) >$	$+ < 3; (631) >$ $+ 2 < 3; (82) >$

$< 2; (0) > \otimes \{2\}$	$< 4; (0) >$ $+ < 4; (4^2) >$	$+ < 4; (2^2) >$ $+ < 4; (62) >$	$+ < 4; (2^4) >$ $+ < 4; (8) >$	$+ < 4; (4) >$	$+ < 4; (42^2) >$
$< 2; (0) > \otimes \{1^2\}$	$< 4; (2) >$	$+ < 4; (2^3) >$	$+ < 4; (42) >$	$+ < 4; (6) >$	
$< 2; (1) > \otimes \{2\}$	$< 4; (2) >$ $+ < 4; (321) >$ $+ 2 < 4; (42^3) >$ $+ < 4; (521) >$ $+ < 4; (6) >$ $+ < 4; (71) >$ $+ < 4; (10) >$	$+ < 4; (21^2) >$ $+ < 4; (32^21) >$ $+ < 4; (431) >$ $+ < 4; (52^21) >$ $+ < 4; (61^2) >$ $+ < 4; (721) >$	$+ < 4; (2^3) >$ $+ < 4; (3^22) >$ $+ < 4; (4321) >$ $+ < 4; (53) >$ $+ < 4; (62^2) >$ $+ < 4; (73) >$	$+ < 4; (2^31^2) >$ $+ 2 < 4; (42) >$ $+ 2 < 4; (4^22) >$ $+ < 4; (532) >$ $+ < 4; (631) >$ $+ 2 < 4; (82) >$	$+ < 4; (31) >$ $+ < 4; (421^2) >$ $+ < 4; (51) >$ $+ < 4; (541) >$ $+ 2 < 4; (64) >$ $+ < 4; (91) >$
$< 2; (1) > \otimes \{1^2\}$	$< 4; (1^2) >$ $+ < 4; (321) >$ $+ < 4; (41^2) >$ $+ < 4; (43^2) >$ $+ < 4; (52^21) >$ $+ 2 < 4; (62) >$ $+ < 4; (73) >$	$+ < 4; (2^2) >$ $+ < 4; (32^21) >$ $+ < 4; (42^2) >$ $+ < 4; (4^2) >$ $+ < 4; (53) >$ $+ < 4; (621^2) >$ $+ < 4; (8) >$	$+ < 4; (2^21^2) >$ $+ < 4; (3^2) >$ $+ < 4; (42^21^2) >$ $+ < 4; (4^21^2) >$ $+ < 4; (532) >$ $+ < 4; (631) >$ $+ < 4; (81^2) >$	$+ < 4; (2^4) >$ $+ < 4; (3^22^2) >$ $+ < 4; (431) >$ $+ < 4; (51) >$ $+ < 4; (541) >$ $+ < 4; (71) >$ $+ < 4; (91) >$	$+ < 4; (31) >$ $+ < 4; (4) >$ $+ < 4; (4321) >$ $+ < 4; (521) >$ $+ < 4; (5^2) >$ $+ < 4; (721) >$
$< 2; (2) > \otimes \{2\}$	$< 4; (2^2) >$ $+ < 4; (3^21^2) >$ $+ 3 < 4; (42^2) >$ $+ 2 < 4; (4^2) >$ $+ 2 < 4; (52^21) >$ $+ < 4; (5^2) >$ $+ < 4; (64) >$ $+ < 4; (81^2) >$	$+ < 4; (2^4) >$ $+ < 4; (3^22^2) >$ $+ < 4; (42^21^2) >$ $+ < 4; (4^21^2) >$ $+ < 4; (53) >$ $+ 3 < 4; (62) >$ $+ < 4; (71) >$ $+ < 4; (82) >$	$+ < 4; (321) >$ $+ < 4; (4) >$ $+ < 4; (431) >$ $+ < 4; (4^22) >$ $+ < 4; (531^2) >$ $+ < 4; (621^2) >$ $+ < 4; (721) >$ $+ < 4; (91) >$	$+ < 4; (32^21) >$ $+ < 4; (41^2) >$ $+ 2 < 4; (4321) >$ $+ < 4; (51) >$ $+ 3 < 4; (532) >$ $+ < 4; (62^2) >$ $+ 2 < 4; (73) >$ $+ < 4; (8) >$	$+ < 4; (3^2) >$ $+ < 4; (42) >$ $+ < 4; (43^2) >$ $+ 2 < 4; (521) >$ $+ 2 < 4; (541) >$ $+ 3 < 4; (631) >$ $+ < 4; (8) >$
$< 2; (2) > \otimes \{1^2\}$	$< 4; (2^3) >$ $+ < 4; (3^221^2) >$ $+ 2 < 4; (431) >$ $+ 2 < 4; (52^21) >$ $+ < 4; (6) >$ $+ 3 < 4; (64) >$ $+ < 4; (91) >$	$+ < 4; (31) >$ $+ 2 < 4; (42) >$ $+ 2 < 4; (4321) >$ $+ 2 < 4; (53) >$ $+ < 4; (61^2) >$ $+ < 4; (71) >$ $+ < 4; (10) >$	$+ < 4; (321) >$ $+ < 4; (421^2) >$ $+ 3 < 4; (4^22) >$ $+ < 4; (531^2) >$ $+ < 4; (62) >$ $+ 2 < 4; (721) >$ $+ < 4; (10) >$	$+ < 4; (32^21) >$ $+ < 4; (42^2) >$ $+ 2 < 4; (51) >$ $+ 2 < 4; (532) >$ $+ 4 < 4; (62^2) >$ $+ 2 < 4; (73) >$ $+ 3 < 4; (82) >$	$+ < 4; (3^22) >$ $+ 2 < 4; (42^3) >$ $+ 2 < 4; (521) >$ $+ 2 < 4; (541) >$ $+ 2 < 4; (631) >$ $+ 3 < 4; (82) >$
$< 2; (1^2) > \otimes \{2\}$	$< 4; (1^4) >$ $+ < 4; (31^3) >$ $+ < 4; (3^22^2) >$ $+ 2 < 4; (42^21^2) >$ $+ < 4; (4^2) >$ $+ < 4; (52^21) >$ $+ 2 < 4; (621^2) >$	$+ < 4; (2^2) >$ $+ < 4; (321) >$ $+ < 4; (3^31) >$ $+ < 4; (431) >$ $+ < 4; (4^21^2) >$ $+ 2 < 4; (531^2) >$ $+ < 4; (631) >$	$+ < 4; (2^21^2) >$ $+ < 4; (321^3) >$ $+ < 4; (41^2) >$ $+ < 4; (431^3) >$ $+ < 4; (51^3) >$ $+ < 4; (532) >$ $+ < 4; (71^3) >$	$+ < 4; (2^21^4) >$ $+ < 4; (32^21) >$ $+ < 4; (41^4) >$ $+ 2 < 4; (4321) >$ $+ < 4; (521) >$ $+ < 4; (541) >$ $+ < 4; (721) >$	$+ < 4; (2^4) >$ $+ 2 < 4; (3^21^2) >$ $+ 2 < 4; (42^2) >$ $+ < 4; (43^2) >$ $+ < 4; (521^3) >$ $+ < 4; (62) >$ $+ < 4; (81^2) >$
$< 2; (1^2) > \otimes \{1^2\}$	$< 4; (21^2) >$ $+ < 4; (321) >$ $+ < 4; (3^221^2) >$ $+ 2 < 4; (42^3) >$ $+ < 4; (51^3) >$ $+ < 4; (532) >$ $+ < 4; (631) >$	$+ < 4; (21^4) >$ $+ < 4; (321^3) >$ $+ < 4; (3^31) >$ $+ < 4; (431) >$ $+ < 4; (521) >$ $+ < 4; (541) >$ $+ < 4; (64) >$	$+ < 4; (2^3) >$ $+ < 4; (32^21) >$ $+ < 4; (42) >$ $+ < 4; (431^3) >$ $+ < 4; (521^3) >$ $+ < 4; (52^21) >$ $+ < 4; (71^3) >$	$+ < 4; (2^31^2) >$ $+ < 4; (3^21^2) >$ $+ 2 < 4; (421^2) >$ $+ < 4; (4321) >$ $+ 2 < 4; (4321) >$ $+ < 4; (52^21) >$ $+ < 4; (721) >$	$+ < 4; (31^3) >$ $+ < 4; (3^22) >$ $+ < 4; (421^4) >$ $+ 2 < 4; (4^22) >$ $+ < 4; (531^2) >$ $+ 2 < 4; (62^2) >$ $+ < 4; (82) >$

$< 2; (3) > \otimes \{2\}$	$< 4; (3^2 2) >$ $+ 2 < 4; (4^2 2) >$ $+ 2 < 4; (53 2) >$ $+ 3 < 4; (62^2) >$ $+ 2 < 4; (73) >$	$+ < 4; (42) >$ $+ < 4; (52 1) >$ $+ 2 < 4; (54 1) >$ $+ 2 < 4; (63 1) >$ $+ 3 < 4; (82) >$	$+ < 4; (42^3) >$ $+ < 4; (52^2 1) >$ $+ < 4; (6) >$ $+ 3 < 4; (64) >$ $+ < 4; (91) >$	$+ < 4; (43 1) >$ $+ 2 < 4; (53) >$ $+ < 4; (61^2) >$ $+ < 4; (71) >$ $+ < 4; (10) >$	$+ < 4; (432 1) >$ $+ < 4; (531^2) >$ $+ < 4; (62) >$ $+ 2 < 4; (72 1) >$
$< 2; (3) > \otimes \{1^2\}$	$< 4; (3^2) >$ $+ < 4; (43^2) >$ $+ < 4; (52^2 1) >$ $+ 2 < 4; (62) >$ $+ < 4; (71) >$ $+ < 4; (82) >$	$+ < 4; (3^2 2^2) >$ $+ < 4; (4^2) >$ $+ < 4; (53) >$ $+ < 4; (62 1^2) >$ $+ 2 < 4; (72 1) >$ $+ < 4; (91) >$	$+ < 4; (42^2) >$ $+ < 4; (4^2 1^2) >$ $+ 3 < 4; (53 2) >$ $+ < 4; (62^2) >$ $+ 3 < 4; (73) >$ $+ < 4; (8) >$	$+ < 4; (43 1) >$ $+ < 4; (51) >$ $+ 2 < 4; (54 1) >$ $+ 3 < 4; (63 1) >$ $+ < 4; (8) >$	$+ < 4; (432 1) >$ $+ < 4; (52 1) >$ $+ 2 < 4; (5^2) >$ $+ < 4; (64) >$ $+ < 4; (81^2) >$
$< 2; (21) > \otimes \{2\}$	$< 4; (2^3) >$ $+ 2 < 4; (32^2 1) >$ $+ < 4; (42) >$ $+ 3 < 4; (42^3) >$ $+ < 4; (4^2 1^2) >$ $+ 4 < 4; (52^2 1) >$ $+ < 4; (61^2) >$ $+ 2 < 4; (64) >$	$+ < 4; (2^3 1^2) >$ $+ < 4; (3^2 1^2) >$ $+ 3 < 4; (42 1^2) >$ $+ 3 < 4; (43 1) >$ $+ 4 < 4; (4^2 2) >$ $+ < 4; (53) >$ $+ < 4; (61^4) >$ $+ < 4; (71^3) >$	$+ < 4; (31^3) >$ $+ 2 < 4; (3^2 2) >$ $+ < 4; (42 1^4) >$ $+ 3 < 4; (43 1^3) >$ $+ < 4; (51^3) >$ $+ 5 < 4; (53 1^2) >$ $+ 2 < 4; (62 1^2) >$ $+ 2 < 4; (72 1) >$	$+ < 4; (32 1) >$ $+ 2 < 4; (3^2 2) >$ $+ < 4; (41^4) >$ $+ 2 < 4; (43 1^3) >$ $+ < 4; (4^2 2) >$ $+ 4 < 4; (52^2 1) >$ $+ < 4; (53) >$ $+ < 4; (62) >$	$+ < 4; (321^3) >$ $+ 2 < 4; (3^2 1) >$ $+ < 4; (42^2 1^2) >$ $+ < 4; (43^2) >$ $+ 2 < 4; (52 1^3) >$ $+ 3 < 4; (54 1) >$ $+ 3 < 4; (63 1) >$ $+ < 4; (82) >$
$< 2; (21) > \otimes \{1^2\}$	$< 4; (2^2 1^2) >$ $+ < 4; (3^2) >$ $+ 2 < 4; (3^2 2^2) >$ $+ 3 < 4; (42^2) >$ $+ 3 < 4; (43^2) >$ $+ 2 < 4; (52 1) >$ $+ 5 < 4; (53 2) >$ $+ < 4; (62^2) >$ $+ < 4; (81^2) >$	$+ < 4; (2^4) >$ $+ 2 < 4; (3^2 1^2) >$ $+ < 4; (3^3 1) >$ $+ 3 < 4; (42^2 1^2) >$ $+ < 4; (4^2) >$ $+ 2 < 4; (52 1^3) >$ $+ 3 < 4; (54 1) >$ $+ 4 < 4; (63 1) >$	$+ < 4; (321) >$ $+ < 4; (3^2 1^4) >$ $+ < 4; (41^2) >$ $+ 2 < 4; (43 1) >$ $+ 4 < 4; (4^2 1^2) >$ $+ 2 < 4; (52^2 1) >$ $+ < 4; (5^2) >$ $+ < 4; (71^3) >$	$+ < 4; (321^3) >$ $+ < 4; (3^2 2) >$ $+ < 4; (41^4) >$ $+ 2 < 4; (43 1^3) >$ $+ < 4; (4^2 2) >$ $+ 4 < 4; (52^2 1) >$ $+ < 4; (53) >$ $+ < 4; (62) >$	$+ 2 < 4; (32^2 1) >$ $+ < 4; (3^2 21^2) >$ $+ 2 < 4; (42 1^2) >$ $+ 5 < 4; (43 21) >$ $+ 4 < 4; (53 1^2) >$ $+ 4 < 4; (62 1^2) >$ $+ 2 < 4; (72 1) >$ $+ < 4; (73) >$
$< 2; (1^3) > \otimes \{2\}$	$< 4; (21^4) >$ $+ < 4; (32^2 1) >$ $+ < 4; (43 1^3) >$ $+ < 4; (52^2 1) >$	$+ < 4; (2^3) >$ $+ < 4; (3^2 21^2) >$ $+ < 4; (43 21) >$ $+ < 4; (61^4) >$	$+ < 4; (2^3 1^2) >$ $+ < 4; (42 1^2) >$ $+ < 4; (4^2 2) >$ $+ < 4; (62^2) >$	$+ < 4; (31^5) >$ $+ 2 < 4; (42 1^4) >$ $+ < 4; (51^5) >$ $+ < 4; (62^2) >$	$+ < 4; (321^3) >$ $+ 2 < 4; (42^3) >$ $+ < 4; (52 1^3) >$
$< 2; (1^3) > \otimes \{2\}$	$< 4; (1^6) >$ $+ < 4; (321^3) >$ $+ < 4; (42^2) >$ $+ < 4; (51^5) >$	$+ < 4; (2^2 1^2) >$ $+ < 4; (32^2 1) >$ $+ 2 < 4; (42^2 1^2) >$ $+ < 4; (52 1^3) >$	$+ < 4; (2^2 1^4) >$ $+ < 4; (3^2 1^4) >$ $+ < 4; (43 1^3) >$ $+ < 4; (52^2 1) >$	$+ < 4; (2^4) >$ $+ < 4; (3^2 2^2) >$ $+ < 4; (43 21) >$ $+ < 4; (62 1^2) >$	$+ < 4; (31^5) >$ $+ < 4; (41^4) >$ $+ < 4; (4^2 1^2) >$ $+ < 4; (62 1^2) >$
$< 2; (4) > \otimes \{2\}$	$< 4; (4^2) >$ $+ < 4; (63 1) >$ $+ < 4; (81^2) >$	$+ < 4; (53 2) >$ $+ < 4; (64) >$ $+ < 4; (82) >$	$+ < 4; (54 1) >$ $+ < 4; (72 1) >$ $+ < 4; (91) >$	$+ < 4; (5^2) >$ $+ 2 < 4; (73) >$ $+ < 4; (10) >$	$+ < 4; (62) >$ $+ < 4; (8) >$
$< 2; (4) > \otimes \{1^2\}$	$< 4; (4^2 2) >$ $+ 2 < 4; (64) >$ $+ < 4; (91) >$	$+ < 4; (53) >$ $+ < 4; (71) >$ $+ < 4; (10) >$	$+ < 4; (54 1) >$ $+ < 4; (72 1) >$ $+ < 4; (91) >$	$+ < 4; (62^2) >$ $+ < 4; (73) >$ $+ < 4; (10) >$	$+ < 4; (63 1) >$ $+ 2 < 4; (82) >$

$< 2; (31) > \otimes \{2\}$	$< 4; (3^2 1^2) >$ + $< 4; (431) >$ + $2 < 4; (4^2 1^2) >$ + $2 < 4; (52^2 1) >$ + $< 4; (62) >$ + $< 4; (71^3) >$	$+ < 4; (3^2 2^2) >$ + $< 4; (431^3) >$ + $< 4; (4^2 2) >$ + $3 < 4; (531^2) >$ + $3 < 4; (621^2) >$ + $2 < 4; (721) >$	$+ < 4; (3^3 1) >$ + $3 < 4; (4321) >$ + $< 4; (51^3) >$ + $4 < 4; (532) >$ + $< 4; (62^2) >$ + $< 4; (73) >$	$+ < 4; (42^2) >$ + $2 < 4; (43^2) >$ + $< 4; (521) >$ + $3 < 4; (541) >$ + $4 < 4; (631) >$ + $< 4; (81^2) >$	$+ < 4; (42^2 1^2) >$ + $< 4; (4^2) >$ + $< 4; (521^3) >$ + $< 4; (5^2) >$ + $< 4; (64) >$ + $< 4; (81^2) >$
$< 2; (31) > \otimes \{1^2\}$	$< 4; (3^2 2) >$ + $< 4; (431) >$ + $3 < 4; (4^2 2) >$ + $4 < 4; (531^2) >$ + $2 < 4; (621^2) >$ + $2 < 4; (721) >$	$+ < 4; (3^2 21^2) >$ + $< 4; (431^3) >$ + $< 4; (521) >$ + $3 < 4; (532) >$ + $3 < 4; (62^2) >$ + $< 4; (73) >$	$+ < 4; (3^3 1) >$ + $3 < 4; (4321) >$ + $< 4; (521^3) >$ + $3 < 4; (541) >$ + $3 < 4; (631) >$ + $< 4; (82) >$	$+ < 4; (421^2) >$ + $< 4; (43^2) >$ + $< 4; (52^2 1) >$ + $< 4; (61^2) >$ + $2 < 4; (64) >$ + $< 4; (71^3) >$	$+ < 4; (42^3) >$ + $< 4; (4^2 1^2) >$ + $< 4; (53) >$ + $< 4; (61^4) >$ + $< 4; (71^3) >$ + $< 4; (82) >$
$< 2; (2^2) > \otimes \{2\}$	$< 4; (2^4) >$ + $< 4; (4321) >$ + $< 4; (531^2) >$	$+ < 4; (3^2 1^2) >$ + $< 4; (43^2) >$ + $< 4; (532) >$	$+ < 4; (3^2 2^2) >$ + $< 4; (4^2) >$ + $< 4; (541) >$	$+ < 4; (42^2) >$ + $< 4; (4^2 1^2) >$ + $< 4; (631) >$	$+ < 4; (42^2 1^2) >$ + $< 4; (52^2 1) >$ + $< 4; (631) >$
$< 2; (2^2) > \otimes \{1^2\}$	$< 4; (32^2 1) >$ + $< 4; (4321) >$ + $< 4; (541) >$	$+ < 4; (3^3 1) >$ + $< 4; (4^2 2) >$ + $< 4; (62^2) >$	$+ < 4; (42^3) >$ + $< 4; (52^2 1) >$ + $< 4; (64) >$	$+ < 4; (431) >$ + $< 4; (531^2) >$ + $< 4; (64) >$	$+ < 4; (431^3) >$ + $< 4; (532) >$ + $< 4; (64) >$
$< 2; (21^2) > \otimes \{2\}$	$< 4; (2^2 1^4) >$ + $< 4; (3^2 1^4) >$ + $< 4; (42^2) >$ + $< 4; (4^2 1^2) >$ + $< 4; (532) >$	$+ < 4; (2^4) >$ + $< 4; (3^2 2^2) >$ + $3 < 4; (42^2 1^2) >$ + $< 4; (51^5) >$ + $< 4; (621^2) >$	$+ < 4; (321^3) >$ + $< 4; (41^4) >$ + $< 4; (431^3) >$ + $2 < 4; (521^3) >$ + $< 4; (621^2) >$	$+ < 4; (32^2 1) >$ + $< 4; (41^6) >$ + $2 < 4; (4321) >$ + $2 < 4; (52^2 1) >$ + $< 4; (531^2) >$	$+ < 4; (3^2 1^2) >$ + $< 4; (421^4) >$ + $< 4; (43^2) >$ + $< 4; (531^2) >$ + $< 4; (62^2) >$
$< 2; (21^2) > \otimes \{1^2\}$	$< 4; (2^3 1^2) >$ + $< 4; (3^2 21^2) >$ + $2 < 4; (431^3) >$ + $2 < 4; (52^2 1) >$	$+ < 4; (31^5) >$ + $< 4; (421^2) >$ + $2 < 4; (4321) >$ + $< 4; (531^2) >$	$+ < 4; (321^3) >$ + $2 < 4; (421^4) >$ + $< 4; (4^2 2) >$ + $< 4; (532) >$	$+ < 4; (32^2 1) >$ + $< 4; (42^2 1^2) >$ + $< 4; (51^5) >$ + $< 4; (61^4) >$	$+ < 4; (3^2 2) >$ + $2 < 4; (42^3) >$ + $2 < 4; (521^3) >$ + $< 4; (62^2) >$
$< 2; (1^4) > \otimes \{2\}$	$< 4; (1^8) >$	$+ < 4; (2^2 1^4) >$	$+ < 4; (2^4) >$	$+ < 4; (41^6) >$	$+ < 4; (42^2 1^2) >$
$< 2; (1^4) > \otimes \{1^2\}$	$< 4; (21^6) >$	$+ < 4; (2^3 1^2) >$	$+ < 4; (421^4) >$	$+ < 4; (42^3) >$	