Tables of Plethysms for the Non-compact $Sp(10,R)$ Group

$< s;(0) > \otimes \{5\}$	$< s2;(0) >$	$+ < s2;(4) >$	$+ < s2;(4^2) >$	$+ < s2;(6) >$
	$+ < s2;(62) >$	$+ < s2;(64) >$	$+ < s2;(6^2) >$	$+ < s2;(73) >$
	$+ < s2;(741) >$	$+ < s2;(761) >$	$+ 2 < s2;(8) >$	$+ < s2;(82) >$
	$+ 2 < s2;(84) >$	$+ 2 < s2;(86) >$	$+ 2 < s2;(8^2) >$	$+ < s2;(91) >$
	$+ 2 < s2;(93) >$	$+ < s2;(941) >$	$+ 2 < s2;(95) >$	$+ < s2;(961) >$
	$+ < s2;(97) >$	$+ 2 < s2;(10\ ) >$	$+ 2 < s2;(10\ 2) >$	$+ < s2;(10\ 31) >$
	$+ 3 < s2;(10\ 4) >$	$+ 2 < s2;(10\ 51) >$	$+ 5 < s2;(10\ 6) >$	$+ < s2;(11\ 1) >$
	$+ < s2;(11\ 21) >$	$+ 3 < s2;(11\ 3) >$	$+ 2 < s2;(11\ 41) >$	$+ 2 < s2;(11\ 5) >$
	$+ 3 < s2;(12\ ) >$	$+ 3 < s2;(12\ 2) >$	$+ < s2;(12\ 31) >$	$+ 7 < s2;(12\ 4) >$
	$+ 3 < s2;(13\ 1) >$	$+ < s2;(13\ 21) >$	$+ 4 < s2;(13\ 3) >$	$+ 3 < s2;(14\ ) >$
	$+ 6 < s2;(14\ 2) >$	$+ 3 < s2;(15\ 1) >$	$+ 5 < s2;(16\ ) >$	
$< s;(1) > \otimes \{1^5\}$	$< s2;(1^5) >$	$+ < s2;(41^3) >$	$+ < s2;(4^2 1) >$	$+ < s2;(61^3) >$
	$+ < s2;(621) >$	$+ < s2;(641) >$	$+ < s2;(6^2 1) >$	$+ < s2;(731) >$
	$+ < s2;(74) >$	$+ < s2;(76) >$	$+ 2 < s2;(81^3) >$	$+ < s2;(821) >$
	$+ 2 < s2;(841) >$	$+ 2 < s2;(861) >$	$+ < s2;(91^2) >$	$+ 2 < s2;(931) >$
	$+ < s2;(94) >$	$+ 2 < s2;(951) >$	$+ < s2;(96) >$	$+ 2 < s2;(10\ 1^3) >$
	$+ 2 < s2;(10\ 21) >$	$+ < s2;(10\ 3) >$	$+ 3 < s2;(10\ 41) >$	$+ 2 < s2;(10\ 5) >$
	$+ < s2;(11\ 1^2) >$	$+ < s2;(11\ 2) >$	$+ 3 < s2;(11\ 31) >$	$+ 2 < s2;(11\ 4) >$
	$+ 3 < s2;(12\ 1^3) >$	$+ 3 < s2;(12\ 21) >$	$+ < s2;(12\ 3) >$	$+ 3 < s2;(13\ 1^2) >$
	$+ < s2;(13\ 2) >$			

$< s;(0) > \otimes \{41\}$	$< s2;(2) >$	$+ < s2;(4) >$	$+ < s2;(42) >$	$+ < s2;(4^2) >$
	$+ < s2;(51) >$	$+ < s2;(53) >$	$+ < s2;(541) >$	$+ 2 < s2;(6) >$
	$+ 2 < s2;(62) >$	$+ < s2;(631) >$	$+ 3 < s2;(64) >$	$+ < s2;(651) >$
	$+ 2 < s2;(6^2) >$	$+ 2 < s2;(71) >$	$+ < s2;(721) >$	$+ 3 < s2;(73) >$
	$+ 2 < s2;(741) >$	$+ 3 < s2;(75) >$	$+ 2 < s2;(761) >$	$+ < s2;(7^2) >$
	$+ 3 < s2;(8) >$	$+ 4 < s2;(82) >$	$+ 2 < s2;(831) >$	$+ 6 < s2;(84) >$
	$+ 3 < s2;(851) >$	$+ 5 < s2;(86) >$	$+ 2 < s2;(871) >$	$+ 3 < s2;(8^2) >$
	$+ 4 < s2;(91) >$	$+ 2 < s2;(921) >$	$+ 6 < s2;(93) >$	$+ 5 < s2;(941) >$
	$+ 7 < s2;(95) >$	$+ 6 < s2;(961) >$	$+ 6 < s2;(97) >$	$+ 4 < s2;(10\ ) >$
	$+ < s2;(10\ 1^2) >$	$+ 7 < s2;(10\ 2) >$	$+ 5 < s2;(10\ 31) >$	$+ 11 < s2;(10\ 4) >$
	$+ 7 < s2;(10\ 51) >$	$+ 12 < s2;(10\ 6) >$	$+ 6 < s2;(11\ 1) >$	$+ 4 < s2;(11\ 21) >$
	$+ 10 < s2;(11\ 3) >$	$+ 9 < s2;(11\ 41) >$	$+ 13 < s2;(11\ 5) >$	$+ 6 < s2;(12\ ) >$
	$+ 2 < s2;(12\ 1^2) >$	$+ 11 < s2;(12\ 2) >$	$+ 8 < s2;(12\ 31) >$	$+ 17 < s2;(12\ 4) >$
	$+ 9 < s2;(13\ 1) >$	$+ 7 < s2;(13\ 21) >$	$+ 17 < s2;(13\ 3) >$	$+ 8 < s2;(14\ ) >$
	$+ 4 < s2;(14\ 1^2) >$	$+ 16 < s2;(14\ 2) >$	$+ 13 < s2;(15\ 1) >$	$+ 9 < s2;(16\ ) >$

$< s;(1) > \otimes \{21^3\}$	$< s2;(21^3) >$	$+ < s2;(41^3) >$	$+ < s2;(421) >$	$+ < s2;(4^2 1) >$
	$+ < s2;(51^2) >$	$+ < s2;(531) >$	$+ < s2;(54) >$	$+ 2 < s2;(61^3) >$
	$+ 2 < s2;(621) >$	$+ < s2;(63) >$	$+ 3 < s2;(641) >$	$+ < s2;(65) >$
	$+ 2 < s2;(6^2 1) >$	$+ 2 < s2;(71^2) >$	$+ < s2;(72) >$	$+ 3 < s2;(731) >$
	$+ 2 < s2;(74) >$	$+ 3 < s2;(751) >$	$+ 2 < s2;(76) >$	$+ < s2;(7^2 1) >$
	$+ 3 < s2;(81^3) >$	$+ 4 < s2;(821) >$	$+ 2 < s2;(83) >$	$+ 6 < s2;(841) >$
	$+ 3 < s2;(85) >$	$+ 5 < s2;(861) >$	$+ 2 < s2;(87) >$	$+ 4 < s2;(91^2) >$
	$+ 2 < s2;(92) >$	$+ 6 < s2;(931) >$	$+ 5 < s2;(94) >$	$+ 7 < s2;(951) >$
	$+ 6 < s2;(96) >$	$+ < s2;(10\ 1) >$	$+ 4 < s2;(10\ 1^3) >$	$+ 7 < s2;(10\ 21) >$
	$+ 5 < s2;(10\ 3) >$	$+ 11 < s2;(10\ 41) >$	$+ 7 < s2;(10\ 5) >$	$+ 6 < s2;(11\ 1^2) >$
	$+ 4 < s2;(11\ 2) >$	$+ 10 < s2;(11\ 31) >$	$+ 9 < s2;(11\ 4) >$	$+ 2 < s2;(12\ 1) >$
	$+ 6 < s2;(12\ 1^3) >$	$+ 11 < s2;(12\ 21) >$	$+ 8 < s2;(12\ 3) >$	$+ 9 < s2;(13\ 1^2) >$
	$+ 7 < s2;(13\ 2) >$	$+ 4 < s2;(14\ 1) >$		

$< s;(0) > \otimes \{32\}$	$< s2;(2^2) >$	$+ < s2;(4) >$	$+ < s2;(42) >$	$+ < s2;(4^2) >$
	$+ < s2;(51) >$	$+ < s2;(521) >$	$+ < s2;(53) >$	$+ < s2;(541) >$
	$+ < s2;(5^2) >$	$+ < s2;(6) >$	$+ 3 < s2;(62) >$	$+ < s2;(631) >$
	$+ 3 < s2;(64) >$	$+ 2 < s2;(651) >$	$+ 2 < s2;(6^2) >$	$+ 2 < s2;(71) >$
	$+ 2 < s2;(721) >$	$+ 3 < s2;(73) >$	$+ 3 < s2;(741) >$	$+ 3 < s2;(75) >$
	$+ 2 < s2;(761) >$	$+ < s2;(7^2) >$	$+ 2 < s2;(8) >$	$+ < s2;(81^2) >$
	$+ 5 < s2;(82) >$	$+ 3 < s2;(831) >$	$+ 7 < s2;(84) >$	$+ 5 < s2;(851) >$
	$+ 6 < s2;(86) >$	$+ 4 < s2;(871) >$	$+ 4 < s2;(8^2) >$	$+ 4 < s2;(91) >$
	$+ 4 < s2;(921) >$	$+ 6 < s2;(93) >$	$+ 7 < s2;(941) >$	$+ 9 < s2;(95) >$
	$+ 7 < s2;(961) >$	$+ 7 < s2;(97) >$	$+ 3 < s2;(10\ ) >$	$+ 2 < s2;(10\ 1^2) >$
	$+ 9 < s2;(10\ 2) >$	$+ 6 < s2;(10\ 31) >$	$+ 12 < s2;(10\ 4) >$	$+ 10 < s2;(10\ 51) >$
	$+ 13 < s2;(10\ 6) >$	$+ 6 < s2;(11\ 1) >$	$+ 7 < s2;(11\ 21) >$	$+ 12 < s2;(11\ 3) >$
	$+ 12 < s2;(11\ 41) >$	$+ 16 < s2;(11\ 5) >$	$+ 5 < s2;(12\ ) >$	$+ 4 < s2;(12\ 1^2) >$
	$+ 13 < s2;(12\ 2) >$	$+ 11 < s2;(12\ 31) >$	$+ 20 < s2;(12\ 4) >$	$+ 10 < s2;(13\ 1) >$
	$+ < s2;(13\ 1^3) >$	$+ 11 < s2;(13\ 21) >$	$+ 18 < s2;(13\ 3) >$	$+ 6 < s2;(14\ ) >$
	$+ 6 < s2;(14\ 1^2) >$	$+ 20 < s2;(14\ 2) >$	$+ 14 < s2;(15\ 1) >$	$+ 9 < s2;(16\ ) >$

$< s;(1) > \otimes \{2^2 1\}$	$< s2;(2^2 1) >$	$+ < s2;(41^3) >$	$+ < s2;(421) >$	$+ < s2;(4^2 1) >$
	$+ < s2;(51^2) >$	$+ < s2;(52) >$	$+ < s2;(531) >$	$+ < s2;(54) >$
	$+ < s2;(5^2 1) >$	$+ < s2;(61^3) >$	$+ 3 < s2;(621) >$	$+ < s2;(63) >$
	$+ 3 < s2;(641) >$	$+ 2 < s2;(65) >$	$+ 2 < s2;(6^2 1) >$	$+ 2 < s2;(71^2) >$
	$+ 2 < s2;(72) >$	$+ 3 < s2;(731) >$	$+ 3 < s2;(74) >$	$+ 3 < s2;(751) >$
	$+ 2 < s2;(76) >$	$+ < s2;(7^2 1) >$	$+ < s2;(81) >$	$+ 2 < s2;(81^3) >$
	$+ 5 < s2;(821) >$	$+ 3 < s2;(83) >$	$+ 7 < s2;(841) >$	$+ 5 < s2;(85) >$
	$+ 6 < s2;(861) >$	$+ 4 < s2;(87) >$	$+ 4 < s2;(91^2) >$	$+ 4 < s2;(92) >$
	$+ 6 < s2;(931) >$	$+ 7 < s2;(94) >$	$+ 9 < s2;(951) >$	$+ 7 < s2;(96) >$
	$+ 2 < s2;(10\ 1) >$	$+ 3 < s2;(10\ 1^3) >$	$+ 9 < s2;(10\ 21) >$	$+ 6 < s2;(10\ 3) >$
	$+ 12 < s2;(10\ 41) >$	$+ 10 < s2;(10\ 5) >$	$+ 6 < s2;(11\ 1^2) >$	$+ 7 < s2;(11\ 2) >$
	$+ 12 < s2;(11\ 31) >$	$+ 12 < s2;(11\ 4) >$	$+ 4 < s2;(12\ 1) >$	$+ 5 < s2;(12\ 1^3) >$
	$+ 13 < s2;(12\ 21) >$	$+ 11 < s2;(12\ 3) >$	$+ < s2;(13\ ) >$	$+ 10 < s2;(13\ 1^2) >$
	$+ 11 < s2;(13\ 2) >$	$+ 6 < s2;(14\ 1) >$	$+ < s2;(15\ ) >$	

$< s;(0) > \otimes \{31^2\}$	$< s2;(31) >$	$+ < s2;(42) >$	$+ < s2;(431) >$	$+ < s2;(51) >$
	$+ < s2;(521) >$	$+ 2 < s2;(53) >$	$+ < s2;(541) >$	$+ < s2;(5^2) >$
	$+ < s2;(6) >$	$+ < s2;(61^2) >$	$+ 2 < s2;(62) >$	$+ 2 < s2;(631) >$
	$+ 3 < s2;(64) >$	$+ 2 < s2;(651) >$	$+ < s2;(6^2) >$	$+ 3 < s2;(71) >$
	$+ 2 < s2;(721) >$	$+ 4 < s2;(73) >$	$+ 4 < s2;(741) >$	$+ 5 < s2;(75) >$
	$+ 3 < s2;(761) >$	$+ 2 < s2;(7^2) >$	$+ < s2;(8) >$	$+ 2 < s2;(81^2) >$
	$+ 5 < s2;(82) >$	$+ 5 < s2;(831) >$	$+ 6 < s2;(84) >$	$+ 6 < s2;(851) >$
	$+ 7 < s2;(86) >$	$+ 5 < s2;(871) >$	$+ 2 < s2;(8^2) >$	$+ 4 < s2;(91) >$
	$+ 5 < s2;(921) >$	$+ 9 < s2;(93) >$	$+ 8 < s2;(941) >$	$+ 10 < s2;(95) >$
	$+ 9 < s2;(961) >$	$+ 10 < s2;(97) >$	$+ 3 < s2;(10\ ) >$	$+ 4 < s2;(10\ 1^2) >$
	$+ 8 < s2;(10\ 2) >$	$+ 9 < s2;(10\ 31) >$	$+ 13 < s2;(10\ 4) >$	$+ 13 < s2;(10\ 51) >$
	$+ 14 < s2;(10\ 6) >$	$+ 8 < s2;(11\ 1) >$	$+ < s2;(11\ 1^3) >$	$+ 8 < s2;(11\ 21) >$
	$+ 14 < s2;(11\ 3) >$	$+ 15 < s2;(11\ 41) >$	$+ 20 < s2;(11\ 5) >$	$+ 3 < s2;(12\ ) >$
	$+ 6 < s2;(12\ 1^2) >$	$+ 14 < s2;(12\ 2) >$	$+ 16 < s2;(12\ 31) >$	$+ 21 < s2;(12\ 4) >$
	$+ 11 < s2;(13\ 1) >$	$+ < s2;(13\ 1^3) >$	$+ 14 < s2;(13\ 21) >$	$+ 23 < s2;(13\ 3) >$
	$+ 6 < s2;(14\ ) >$	$+ 10 < s2;(14\ 1^2) >$	$+ 20 < s2;(14\ 2) >$	$+ 17 < s2;(15\ 1) >$
	$+ 7 < s2;(16\ ) >$			

$< s;(1) > \otimes \{31^2\}$	$< s2;(31^2) >$	$+ < s2;(421) >$	$+ < s2;(43) >$	$+ < s2;(51^2) >$
	$+ < s2;(52) >$	$+ 2 < s2;(531) >$	$+ < s2;(54) >$	$+ < s2;(5^2 1) >$
	$+ < s2;(61) >$	$+ < s2;(61^3) >$	$+ 2 < s2;(621) >$	$+ 2 < s2;(63) >$
	$+ 3 < s2;(641) >$	$+ 2 < s2;(65) >$	$+ < s2;(6^2 1) >$	$+ 3 < s2;(71^2) >$
	$+ 2 < s2;(72) >$	$+ 4 < s2;(731) >$	$+ 4 < s2;(74) >$	$+ 5 < s2;(751) >$
	$+ 3 < s2;(76) >$	$+ 2 < s2;(7^2 1) >$	$+ 2 < s2;(81) >$	$+ < s2;(81^3) >$
	$+ 5 < s2;(821) >$	$+ 5 < s2;(83) >$	$+ 6 < s2;(841) >$	$+ 6 < s2;(85) >$
	$+ 7 < s2;(861) >$	$+ 5 < s2;(87) >$	$+ 4 < s2;(91^2) >$	$+ 5 < s2;(92) >$
	$+ 9 < s2;(931) >$	$+ 8 < s2;(94) >$	$+ 10 < s2;(951) >$	$+ 9 < s2;(96) >$
	$+ 4 < s2;(10\ 1) >$	$+ 3 < s2;(10\ 1^3) >$	$+ 8 < s2;(10\ 21) >$	$+ 9 < s2;(10\ 3) >$
	$+ 13 < s2;(10\ 41) >$	$+ 13 < s2;(10\ 5) >$	$+ < s2;(11\ ) >$	$+ 8 < s2;(11\ 1^2) >$
	$+ 8 < s2;(11\ 2) >$	$+ 14 < s2;(11\ 31) >$	$+ 15 < s2;(11\ 4) >$	$+ 6 < s2;(12\ 1) >$
	$+ 3 < s2;(12\ 1^3) >$	$+ 14 < s2;(12\ 21) >$	$+ 16 < s2;(12\ 3) >$	$+ < s2;(13\ ) >$
	$+ 11 < s2;(13\ 1^2) >$	$+ 14 < s2;(13\ 2) >$	$+ 10 < s2;(14\ 1) >$	$+ 3 < s2;(15\ ) >$