Table 1: Ferminonic case $\wedge^4\mathbb{C}^9$

dominant 1-PS	Inequality	w
	$2\lambda_1 + \lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(0, 1, 4, 8, 3, 7, 2, 6, 5)
	$2\lambda_1 + \lambda_2 - 2\lambda_3 - \lambda_4 - 2\lambda_5 - \lambda_6 - 3\lambda_8 \ge 0$	(0,1,6,8,3,5,2,4,7)
	$\lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - \lambda_7 - 2\lambda_8 \ge 0$	(1,0,4,8,3,6,2,7,5)
	$\lambda_1 + 2\lambda_2 - 3\lambda_4 - \lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(1,0,2,8,4,7,5,6,3)
	$\lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - \lambda_5 - 2\lambda_6 - 3\lambda_8 \ge 0$	(1,0,6,8,3,4,2,5,7)
(2,1,0,0,-1,-1,-2,-2,-3)	$2\lambda_1 + \lambda_2 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(0,1,2,8,5,7,4,6,3)
	$2\lambda_1 - \lambda_2 - \lambda_3 + \lambda_5 - 3\lambda_6 - 2\lambda_7 - 2\lambda_8 \ge 0$	(0,4,3,8,1,2,6,7,5)
	$\lambda_1 + 2\lambda_2 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - \lambda_7 - 2\lambda_8 \ge 0$	(1,0,2,8,5,6,4,7,3)
	$\lambda_1 + 2\lambda_2 - \lambda_3 - 2\lambda_4 - 2\lambda_5 - \lambda_6 - 3\lambda_8 \ge 0$	(1,0,6,8,2,5,3,4,7)
	$2\lambda_1 + \lambda_3 - 3\lambda_4 - \lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(0, 2, 1, 8, 4, 7, 5, 6, 3)
	$\lambda_1 + 2\lambda_2 - \lambda_3 - 2\lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(1,0,4,8,2,7,3,6,5)
(3, 1, 1, -1, -1, -1, -3, -3, -3)	$3\lambda_1 + \lambda_2 - \lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 + \lambda_9 \ge 0$	(0, 1, 8, 2, 6, 7, 3, 4, 5)
	$3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - 3\lambda_8 + \lambda_9 \ge 0$	(0, 1, 8, 4, 5, 6, 2, 3, 7)
(1,1,1,-1,-1,-1,-1,-1,-1)	$\lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 + \lambda_9 \ge 0$	(0,1,8,2,3,4,5,6,7)
	$\lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 + \lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(0, 1, 4, 2, 3, 6, 7, 8, 5)
(1, 1, 1, -1, -1, -1, -1, -1, -3)	$\lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(0, 1, 2, 4, 5, 6, 7, 8, 3)
	$\lambda_1 - \lambda_2 + \lambda_3 - \lambda_4 - \lambda_5 + \lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \ge 0$	(0, 2, 5, 1, 3, 4, 6, 8, 7)
	$\lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 3\lambda_8 - \lambda_9 \ge 0$	(0, 1, 6, 2, 3, 4, 5, 8, 7)
	$\lambda_1 - \lambda_2 + \lambda_3 - \lambda_4 + \lambda_5 - \lambda_6 - 3\lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(0, 2, 4, 1, 3, 5, 7, 8, 6)
	$-\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + \lambda_5 - \lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \ge 0$	(1, 2, 4, 0, 3, 5, 6, 8, 7)
	$\lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + \lambda_5 - \lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \ge 0$	(0,3,4,1,2,5,6,8,7)
(3,-1,-1,-1,-1,-1,-1,-1,-1)	$3\lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(0, 1, 2, 3, 4, 5, 6, 7, 8)
	$\lambda_1 + 2\lambda_2 - 3\lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(1,0,2,4,7,8,6,3,5)
	$2\lambda_1 + \lambda_3 - 3\lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(0, 2, 1, 4, 7, 8, 6, 3, 5)

$ \begin{array}{c} \lambda_1 - \lambda_3 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,0,1,3,2,8,7,5,6) \\ \lambda_1 + 2\lambda_3 - 3\lambda_4 - \lambda_5 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (2,0,1,5,4,8,7,3,6) \\ \lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - 3\lambda_8 - \lambda_9 \geq 0 & (2,0,1,5,4,8,7,3,6) \\ \lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,0,2,3,1,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,2,0,1,3,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,6,8,5,3,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,6,8,5,3,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,6,8,5,3,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,1,0,2,3,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,1,0,2,3,8,6,5,7,8) \\ \lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,3,4,6,2,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,3,4,6,2,5,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,3,4,6,2,5,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - 3\lambda_5 - 5\lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,5,3,7,7,8,1,4,2,3,3,3,3,4,3,5,6,3,3,3,4,3,5,3,3,3,3,3,3,3,3,3,3,3,3,3,3$		$\lambda_1 + 2\lambda_2 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - 3\lambda_8 - \lambda_9 \ge 0$	(1,0,2,6,5,8,4,3,7)
$ (3,1,1,-1,-1,-1,-3,-3,-5) \\ (3,1,1,-1,-1,-1,-1,-1,-3,-3,-5) \\ (3,1,1,-1,-1,-1,-1,-5,-5,-9,-9) \\ (7,3,-1,-1,-1,-1,-5,-5,-9,-9) \\ (7,3,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,$			(' ' ' ' ' ' ' ' ' ' ' ' ' '
$ \begin{array}{c} \lambda_1 - \lambda_2 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,0,2,3,1,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,6,8,5,37) \\ \lambda_3 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,2,0,1,3,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,2,0,1,3,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,5,8,7,3,6) \\ \lambda_2 - 2\lambda_4 - 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,1,0,2,3,8,7,5,6) \\ \lambda_2 - 2\lambda_4 - 2\lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (1,0,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_3 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - 3\lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,3,8,4,6,7,5) \\ \lambda_1 - \lambda_2 + 3\lambda_3 - 3\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 $			(2,0,1,5,4,8,7,3,6)
$ \begin{array}{c} \lambda_1 - \lambda_2 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,0,2,3,1,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,6,8,5,37) \\ \lambda_3 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,2,0,1,3,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,2,0,1,3,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,5,8,7,3,6) \\ \lambda_2 - 2\lambda_4 - 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,1,0,2,3,8,7,5,6) \\ \lambda_2 - 2\lambda_4 - 2\lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (1,0,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_3 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - 3\lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,3,8,4,6,7,5) \\ \lambda_1 - \lambda_2 + 3\lambda_3 - 3\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 $		$\lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - 3\lambda_8 - \lambda_9 \ge 0$	(1,0,4,6,3,8,2,5,7)
$ \begin{array}{c} \lambda_3 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,2,0,1,3,8,6,5,7) \\ \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,5,8,7,3,6) \\ \lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,1,0,2,3,8,7,5,6) \\ \lambda_2 - \lambda_4 - 2\lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (1,0,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (1,0,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_3 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,5,3,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,2,7,5,6) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,2,7,5,6) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 - 3\lambda_5 - 9\lambda_6 - $			(4,0,2,3,1,8,6,5,7)
$ \begin{array}{c} \lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (2,1,0,4,5,8,7,3,6) \\ \lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,1,0,2,3,8,7,5,6) \\ \lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (1,0,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_3 - \lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (0,1,3,4,6,2,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,3,4,6,2,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ \lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,6,4,5,8,2,3,7) \\ -\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 + \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 + \lambda_2 - \lambda_3 - 3\lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 + \lambda_2 - \lambda_3 - 3\lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 + \lambda_2 - \lambda_3 - 3\lambda_4 - \lambda_5 - 3\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 + \lambda_2 - \lambda_3 - 3\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,4,8,6,7,3,5) \\ \lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 $		$\lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 \ge 0$	(2,1,0,4,6,8,5,3,7)
$ \begin{array}{c} \lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \geq 0 & (4,1,0,2,3,8,7,5,6) \\ \lambda_2 - \lambda_4 - \lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (1,0,2,4,6,3,5,7,8) \\ \lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,5,6,3,4,7,8) \\ \lambda_1 - \lambda_3 - \lambda_6 - \lambda_8 - \lambda_9 \geq 0 & (4,0,1,2,3,5,6,7,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ \lambda_1 - \lambda_2 - 3\lambda_3 - 3\lambda_4 - 5\lambda_5 - \lambda_6 - 9\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,3,8,2,7,5,6) \\ \lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,4,3,8,2,7,5,6) \\ \lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 5\lambda_5 - 5\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,3,8,2,7,5,6) \\ \lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 5\lambda_5 - 5\lambda_6 - 3\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,4,3,8,2,7,5,6) \\ \lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 5\lambda_5 - 5\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,3,8,2,7,5,6) \\ \lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 5\lambda_5 - 5\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,3,8,2,7,5,6) \\ \lambda_1 - \lambda$		$\lambda_3 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 \ge 0$	(4, 2, 0, 1, 3, 8, 6, 5, 7)
$(3,1,1,-1,-1,-1,-3,-3,-5) \\ (3,1,1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1$		$\lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \ge 0$	(2,1,0,4,5,8,7,3,6)
(3,1,1,-1,-1,-1,-3,-3,-5) (3,1,1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1		$\lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 \ge 0$	(4, 1, 0, 2, 3, 8, 7, 5, 6)
(3,1,1,-1,-1,-1,-3,-3,-5) (3,1,1,-1,-1,-1,-1,-3,-3,-5) (3,1,1,-1,-1,-1,-1,-5,-5,-9,-9) (7,3,-1,-1,-1,-1,-5,-5,-9,-9) (7,3,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,	(1,0,0,0,0,-1,-1,-1,-1)	$\lambda_2 - \lambda_4 - \lambda_6 - \lambda_8 - \lambda_9 \ge 0$	(1,0,2,4,6,3,5,7,8)
$(1,0,0,0,0,-1,-1,-1,-1) \\ (1,0,0,0,0,-1,-1,-1,-1) \\ (1,0,0,0,0,-1,-1,-1,-1,-1) \\ (1,0,0,0,0,0,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,$		$\lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 \ge 0$	(0,1,2,5,6,3,4,7,8)
$ \begin{array}{c} \lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \geq 0 & (0,1,2,4,7,3,5,6,8) \\ \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (2,0,1,4,5,3,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,6,4,5,8,2,3,7) \\ -\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,1,2,0,3,8,6,7,5) \\ 3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,0,3,1,2,8,6,7,5) \\ 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$		$\lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(4,0,1,2,3,5,6,7,8)
$ \begin{array}{c} \lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (2,0,1,4,5,3,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ \lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,2,3,4,5,1,6,7,8) \\ 3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,1,6,4,5,8,2,3,7) \\ -\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,1,2,0,3,8,6,7,5) \\ 3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,0,3,1,2,8,6,7,5) \\ 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0$		$\lambda_1 - \lambda_3 - \lambda_6 - \lambda_8 - \lambda_9 \ge 0$	(0,1,3,4,6,2,5,7,8)
$\begin{array}{c} \lambda_{1}-\lambda_{2}-\lambda_{7}-\lambda_{8}-\lambda_{9}\geq0 & (0,2,3,4,5,1,6,7,8)\\ 3\lambda_{1}+\lambda_{2}-3\lambda_{3}-3\lambda_{4}-\lambda_{5}-\lambda_{6}+\lambda_{7}-5\lambda_{8}-\lambda_{9}\geq0 & (0,1,6,4,5,8,2,3,7)\\ -\lambda_{1}+\lambda_{2}+\lambda_{3}-\lambda_{4}+3\lambda_{5}-5\lambda_{6}-3\lambda_{7}-3\lambda_{8}-\lambda_{9}\geq0 & (0,1,6,4,5,8,2,3,7)\\ 3\lambda_{1}+\lambda_{2}+\lambda_{3}-5\lambda_{4}-3\lambda_{5}-3\lambda_{6}-\lambda_{7}-\lambda_{8}-\lambda_{9}\geq0 & (4,1,2,0,3,8,6,7,5)\\ 3\lambda_{1}+\lambda_{2}+\lambda_{3}-5\lambda_{4}-3\lambda_{5}-3\lambda_{6}-\lambda_{7}-\lambda_{8}-\lambda_{9}\geq0 & (0,1,2,6,7,8,4,5,3)\\ \lambda_{1}-\lambda_{2}-\lambda_{3}+\lambda_{4}+3\lambda_{5}-5\lambda_{6}-3\lambda_{7}-3\lambda_{8}-\lambda_{9}\geq0 & (4,0,3,1,2,8,6,7,5)\\ (0,0,0,0,0,0,0,0,0,0) & -\lambda_{9}\geq0 & (0,1,2,3,4,5,6,7,8)\\ 3\lambda_{1}+7\lambda_{2}-\lambda_{3}-9\lambda_{4}-\lambda_{5}-9\lambda_{6}-5\lambda_{7}-5\lambda_{8}-\lambda_{9}\geq0 & (1,0,2,4,8,6,7,3,5)\\ 7\lambda_{1}-\lambda_{2}+3\lambda_{3}-9\lambda_{4}-5\lambda_{5}-\lambda_{6}-9\lambda_{7}-5\lambda_{8}-\lambda_{9}\geq0 & (0,4,2,3,8,1,6,5,7)\\ 3\lambda_{1}+7\lambda_{2}-\lambda_{3}-9\lambda_{4}-5\lambda_{5}-5\lambda_{6}-\lambda_{7}-9\lambda_{8}-\lambda_{9}\geq0 & (1,0,4,6,8,2,3,5,7)\\ 3\lambda_{1}+7\lambda_{2}-\lambda_{3}-9\lambda_{4}-5\lambda_{5}-5\lambda_{6}-\lambda_{7}-9\lambda_{8}-\lambda_{9}\geq0 & (0,4,1,3,8,2,7,5,6)\\ 7\lambda_{1}-\lambda_{2}+3\lambda_{3}-9\lambda_{4}-\lambda_{5}-9\lambda_{6}-5\lambda_{7}-5\lambda_{8}-\lambda_{9}\geq0 & (0,4,1,3,8,2,7,5,6)\\ 7\lambda_{1}-\lambda_{2}+3\lambda_{3}-9\lambda_{4}-\lambda_{5}-9\lambda_{6}-5\lambda_{7}-5\lambda_{8}-\lambda_{9}\geq0 & (0,2,1,4,8,6,7,3,5)\\ \end{array}$		$\lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 \ge 0$	(0, 1, 2, 4, 7, 3, 5, 6, 8)
$(3,1,1,-1,-1,-1,-3,-3,-5) \begin{cases} 3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 \ge 0 & (0,1,6,4,5,8,2,3,7) \\ -\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \ge 0 & (4,1,2,0,3,8,6,7,5) \\ 3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \ge 0 & (4,0,3,1,2,8,6,7,5) \\ (0,0,0,0,0,0,0,0,0,0,0,0) & -\lambda_9 \ge 0 & (0,1,2,3,4,5,6,7,8) \\ 3\lambda_1 + 7\lambda_2 - \lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \ge 0 & (1,0,2,4,8,6,7,3,5) \\ 7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \ge 0 & (0,2,1,5,8,4,7,3,6) \\ 7\lambda_1 - 5\lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \ge 0 & (0,4,2,3,8,1,6,5,7) \\ 3\lambda_1 + 7\lambda_2 - 5\lambda_3 - 5\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \ge 0 & (1,0,4,6,8,2,3,5,7) \\ 3\lambda_1 + 7\lambda_2 - 3\lambda_3 - 9\lambda_4 - 5\lambda_5 - 5\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 \ge 0 & (0,4,1,3,8,2,7,5,6) \\ 7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \ge 0 & (0,2,1,4,8,6,7,3,5) \end{cases}$		$\lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(2,0,1,4,5,3,6,7,8)
$(3,1,1,-1,-1,-1,-3,-3,-5) \begin{vmatrix} -\lambda_1+\lambda_2+\lambda_3-\lambda_4+3\lambda_5-5\lambda_6-3\lambda_7-3\lambda_8-\lambda_9\geq 0 & (4,1,2,0,3,8,6,7,5)\\ 3\lambda_1+\lambda_2+\lambda_3-5\lambda_4-3\lambda_5-3\lambda_6-\lambda_7-\lambda_8-\lambda_9\geq 0 & (0,1,2,6,7,8,4,5,3)\\ \lambda_1-\lambda_2-\lambda_3+\lambda_4+3\lambda_5-5\lambda_6-3\lambda_7-3\lambda_8-\lambda_9\geq 0 & (4,0,3,1,2,8,6,7,5)\\ (0,0,0,0,0,0,0,0,0,0,0) & -\lambda_9\geq 0 & (0,1,2,3,4,5,6,7,8)\\ 3\lambda_1+7\lambda_2-\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-5\lambda_7-5\lambda_8-\lambda_9\geq 0 & (1,0,2,4,8,6,7,3,5)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-5\lambda_5-\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,5,8,4,7,3,6)\\ 7\lambda_1-5\lambda_2-\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-5\lambda_7-9\lambda_8-\lambda_9\geq 0 & (0,4,2,3,8,1,6,5,7)\\ 3\lambda_1+7\lambda_2-5\lambda_3-5\lambda_4-\lambda_5-9\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,4,6,8,2,3,5,7)\\ 3\lambda_1+7\lambda_2-5\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,2,6,8,4,5,3,7)\\ 7\lambda_1-\lambda_2-5\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,4,1,3,8,2,7,5,6)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-5\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,4,8,6,7,3,5)\\ 7\lambda_1-\lambda_2+3\lambda_3-2\lambda_4-\lambda_5-2\lambda_6-2\lambda_7-2\lambda_8-\lambda_9\geq 0 & (0,2,1,4,8,6,$		$\lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0$	(0,2,3,4,5,1,6,7,8)
$(3,1,1,-1,-1,-1,-3,-3,-3) = \frac{3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \ge 0}{3\lambda_1 + \lambda_2 + \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \ge 0} = \frac{(0,1,2,6,7,8,4,5,3)}{(0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,$	(3, 1, 1, -1, -1, -1, -3, -3, -5)		(' ' ' ' ' ' ' ' ' ' ' ' ' '
$ \begin{array}{c} 3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 \geq 0 & (0,1,2,6,7,8,4,5,3) \\ \lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \geq 0 & (4,0,3,1,2,8,6,7,5) \\ (0,0,0,0,0,0,0,0,0,0,0) & -\lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ \hline (0,1,2,3,4,5,6,7,8) & -\lambda_9 \geq 0 & (0,1,2,3,4,5,6,7,8) \\ 3\lambda_1 + 7\lambda_2 - \lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (1,0,2,4,8,6,7,3,5) \\ 7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 5\lambda_5 - \lambda_6 - 9\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,5,8,4,7,3,6) \\ 7\lambda_1 - 5\lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,2,3,8,1,6,5,7) \\ 3\lambda_1 + 7\lambda_2 - 5\lambda_3 - 5\lambda_4 - \lambda_5 - 9\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (1,0,4,6,8,2,3,5,7) \\ 3\lambda_1 + 7\lambda_2 - \lambda_3 - 9\lambda_4 - 5\lambda_5 - 5\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 \geq 0 & (0,4,1,3,8,2,7,5,6) \\ 7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \geq 0 & (0,2,1,4,8,6,7,3,5) \\ \hline \end{array}$		$-\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 \ge 0$	(4, 1, 2, 0, 3, 8, 6, 7, 5)
(0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,			(0, 1, 2, 6, 7, 8, 4, 5, 3)
$(7,3,-1,-1,-1,-5,-5,-9,-9) \begin{array}{c} 3\lambda_1+7\lambda_2-\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-5\lambda_7-5\lambda_8-\lambda_9\geq 0 & (1,0,2,4,8,6,7,3,5)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-5\lambda_5-\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,5,8,4,7,3,6)\\ 7\lambda_1-5\lambda_2-\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-5\lambda_7-9\lambda_8-\lambda_9\geq 0 & (0,4,2,3,8,1,6,5,7)\\ 3\lambda_1+7\lambda_2-5\lambda_3-5\lambda_4-\lambda_5-9\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,4,6,8,2,3,5,7)\\ 3\lambda_1+7\lambda_2-\lambda_3-9\lambda_4-5\lambda_5-5\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,2,6,8,4,5,3,7)\\ 7\lambda_1-\lambda_2-5\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,4,1,3,8,2,7,5,6)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-5\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,4,8,6,7,3,5)\\ \end{array}$			(' ' ' ' ' ' ' ' ' ' ' ' ' ' '
$(7,3,-1,-1,-1,-5,-5,-9,-9) \begin{pmatrix} 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-5\lambda_5-\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,5,8,4,7,3,6)\\ 7\lambda_1-5\lambda_2-\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-5\lambda_7-9\lambda_8-\lambda_9\geq 0 & (0,4,2,3,8,1,6,5,7)\\ 3\lambda_1+7\lambda_2-5\lambda_3-5\lambda_4-\lambda_5-9\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,4,6,8,2,3,5,7)\\ 3\lambda_1+7\lambda_2-\lambda_3-9\lambda_4-5\lambda_5-5\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,2,6,8,4,5,3,7)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,4,1,3,8,2,7,5,6)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-5\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,4,8,6,7,3,5) \end{pmatrix}$	(0,0,0,0,0,0,0,0,-1)	-	(1 1 1 1 1 1 1 1 1
$(7,3,-1,-1,-1,-5,-5,-9,-9) \begin{array}{c} 7\lambda_1-5\lambda_2-\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-5\lambda_7-9\lambda_8-\lambda_9\geq 0 & (0,4,2,3,8,1,6,5,7)\\ 3\lambda_1+7\lambda_2-5\lambda_3-5\lambda_4-\lambda_5-9\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,4,6,8,2,3,5,7)\\ 3\lambda_1+7\lambda_2-\lambda_3-9\lambda_4-5\lambda_5-5\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,2,6,8,4,5,3,7)\\ 7\lambda_1-\lambda_2-5\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,4,1,3,8,2,7,5,6)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-5\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,4,8,6,7,3,5) \end{array}$	(7, 3, -1, -1, -1, -5, -5, -9, -9)		· · · · · · · · · · · · · · · · · · ·
$(7,3,-1,-1,-1,-5,-5,-9,-9) \begin{array}{c} 3\lambda_1+7\lambda_2-5\lambda_3-5\lambda_4-\lambda_5-9\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,4,6,8,2,3,5,7)\\ 3\lambda_1+7\lambda_2-\lambda_3-9\lambda_4-5\lambda_5-5\lambda_6-\lambda_7-9\lambda_8-\lambda_9\geq 0 & (1,0,2,6,8,4,5,3,7)\\ 7\lambda_1-\lambda_2-5\lambda_3-\lambda_4+3\lambda_5-9\lambda_6-9\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,4,1,3,8,2,7,5,6)\\ 7\lambda_1-\lambda_2+3\lambda_3-9\lambda_4-\lambda_5-9\lambda_6-5\lambda_7-5\lambda_8-\lambda_9\geq 0 & (0,2,1,4,8,6,7,3,5) \end{array}$			
			(, , , , , , , , , , , , , ,
$ \frac{7\lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 9\lambda_7 - 5\lambda_8 - \lambda_9 \ge 0 (0, 4, 1, 3, 8, 2, 7, 5, 6)}{7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \ge 0 (0, 2, 1, 4, 8, 6, 7, 3, 5)} $			· · · · · · · · · · · /
$7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \ge 0 (0, 2, 1, 4, 8, 6, 7, 3, 5)$		1 2 3 1 3 3 1 5 5	
			())))))))
$(2\ 2\ 1\ 1\ 1\ 5\ 5\ 5)$		$3\lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \ge 0$	(0,4,1,2,3,8,5,6,7)

(3, 3, -1, -1, -1, -1, -5, -5, -5)

	$3\lambda_1 - \lambda_2 + 3\lambda_3 - 5\lambda_4 - \lambda_5 - \lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 \ge 0$	(0,2,1,4,5,8,3,6,7)
	$3\lambda_1 + 3\lambda_2 - \lambda_3 - 5\lambda_4 - \lambda_5 - 5\lambda_6 - \lambda_7 - 5\lambda_8 - \lambda_9 \ge 0$	(0,1,2,4,6,8,3,5,7)
(1,1,0,0,0,-1,-1,-2,-2)	$\lambda_1 - \lambda_2 + \lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(0,4,2,3,8,1,7,5,6)
(3, 1, 0, 0, -1, -2, -2, -3, -4)	$3\lambda_1 + \lambda_2 - 4\lambda_4 - 3\lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(0, 1, 2, 8, 7, 5, 6, 4, 3)
	$3\lambda_1 + \lambda_2 - 3\lambda_3 - 2\lambda_4 - 2\lambda_5 - \lambda_6 - 4\lambda_8 \ge 0$	(0,1,6,8,5,3,4,2,7)
	$3\lambda_1 + \lambda_3 - 4\lambda_4 - 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - \lambda_8 \ge 0$	(0, 2, 1, 8, 7, 4, 6, 5, 3)
	$3\lambda_1 - 2\lambda_2 - \lambda_3 + \lambda_5 - 4\lambda_6 - 3\lambda_7 - 2\lambda_8 \ge 0$	(0,4,3,8,2,1,7,6,5)
(1,1,1,1,1,-3,-3,-3,-3)	$\lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 + \lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 + \lambda_9 \ge 0$	(0, 1, 2, 4, 8, 3, 5, 6, 7)