

Table 1: Fermionic case $\wedge^4 \mathbb{C}^{10}$

dominant 1-PS	Inequality	w
(3, -1, -1, -1, -1, -1, -1, -1, -1)	$3\lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 3, 4, 5, 6, 7, 8, 9)
(0, 0, 0, 0, 0, 0, 0, 0, 0, -1)	$-\lambda_{10} \leq 0$	(0, 1, 2, 3, 4, 5, 6, 7, 8, 9)
(1, 1, 1, -1, -1, -1, -1, -1, -3)	$\lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 4, 5, 6, 7, 8, 9, 3)
	$\lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 + \lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 4, 2, 3, 6, 7, 8, 9, 5)
	$\lambda_1 - \lambda_2 + \lambda_3 - \lambda_4 + \lambda_5 - \lambda_6 - 3\lambda_7 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 2, 4, 1, 3, 5, 7, 8, 9, 6)
	$-\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + \lambda_5 - \lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(1, 2, 4, 0, 3, 5, 6, 8, 9, 7)
	$\lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + \lambda_5 - \lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 3, 4, 1, 2, 5, 6, 8, 9, 7)
	$\lambda_1 - \lambda_2 + \lambda_3 - \lambda_4 - \lambda_5 + \lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 2, 5, 1, 3, 4, 6, 8, 9, 7)
	$\lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 6, 2, 3, 4, 5, 8, 9, 7)
	$\lambda_1 + \lambda_2 - \lambda_3 - \lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 + \lambda_9 - 3\lambda_{10} \leq 0$	(0, 1, 8, 2, 3, 4, 5, 6, 7, 9)
(1, 1, 1, 1, 1, -3, -3, -3, -3)	$\lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 + \lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 + \lambda_9 - 3\lambda_{10} \leq 0$	(0, 1, 2, 4, 8, 3, 5, 6, 7, 9)
(1, 0, 0, 0, 0, -1, -1, -1, -1)	$\lambda_1 - \lambda_2 - \lambda_7 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 2, 3, 4, 5, 1, 6, 7, 8, 9)
	$\lambda_1 - \lambda_3 - \lambda_6 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 3, 4, 6, 2, 5, 7, 8, 9)
	$\lambda_1 - \lambda_4 - \lambda_5 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 5, 6, 3, 4, 7, 8, 9)
	$\lambda_1 - \lambda_4 - \lambda_6 - \lambda_7 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 4, 7, 3, 5, 6, 8, 9)
	$\lambda_2 - \lambda_4 - \lambda_6 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(1, 0, 2, 4, 6, 3, 5, 7, 8, 9)
	$\lambda_3 - \lambda_4 - \lambda_7 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(2, 0, 1, 4, 5, 3, 6, 7, 8, 9)
	$\lambda_5 - \lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(4, 0, 1, 2, 3, 5, 6, 7, 8, 9)
(3, 3, -1, -1, -1, -1, -5, -5, -5)	$3\lambda_1 + 3\lambda_2 - \lambda_3 - 5\lambda_4 - \lambda_5 - 5\lambda_6 - \lambda_7 - 5\lambda_8 - \lambda_9 - 5\lambda_{10} \leq 0$	(0, 1, 2, 4, 6, 8, 3, 5, 7, 9)
	$3\lambda_1 - \lambda_2 + 3\lambda_3 - 5\lambda_4 - \lambda_5 - \lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 - 5\lambda_{10} \leq 0$	(0, 2, 1, 4, 5, 8, 3, 6, 7, 9)
	$3\lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 - 5\lambda_{10} \leq 0$	(0, 4, 1, 2, 3, 8, 5, 6, 7, 9)
(5, 1, 1, 1, -3, -3, -7, -7, -7)	$5\lambda_1 + \lambda_2 + \lambda_3 - 7\lambda_4 + \lambda_5 - 7\lambda_6 - 7\lambda_7 - 3\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(0, 1, 2, 4, 7, 8, 9, 3, 5, 6)
	$\lambda_1 + 5\lambda_2 + \lambda_3 - 7\lambda_4 + \lambda_5 - 7\lambda_6 - 3\lambda_7 - 7\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(1, 0, 2, 4, 6, 8, 9, 3, 5, 7)
	$\lambda_1 + \lambda_2 + 5\lambda_3 - 7\lambda_4 + \lambda_5 - 3\lambda_6 - 7\lambda_7 - 7\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(2, 0, 1, 4, 5, 8, 9, 3, 6, 7)
	$\lambda_1 + \lambda_2 + \lambda_3 - 3\lambda_4 + 5\lambda_5 - 7\lambda_6 - 7\lambda_7 - 7\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(4, 0, 1, 2, 3, 8, 9, 5, 6, 7)
(1, 1, 0, 0, 0, -1, -1, -2, -2, -2)	$\lambda_1 - \lambda_2 + \lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_{10} \leq 0$	(0, 4, 2, 3, 8, 1, 7, 5, 6, 9)
(7, 3, -1, -1, -1, -5, -5, -9, -9, -9)	$7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 - 9\lambda_{10} \leq 0$	(0, 2, 1, 4, 8, 6, 7, 3, 5, 9)
	$7\lambda_1 - \lambda_2 + 3\lambda_3 - 9\lambda_4 - 5\lambda_5 - \lambda_6 - 9\lambda_7 - 5\lambda_8 - \lambda_9 - 9\lambda_{10} \leq 0$	(0, 2, 1, 5, 8, 4, 7, 3, 6, 9)

	$7\lambda_1 - \lambda_2 - 5\lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 9\lambda_7 - 5\lambda_8 - \lambda_9 - 9\lambda_{10} \leq 0$	(0, 4, 1, 3, 8, 2, 7, 5, 6, 9)
	$7\lambda_1 - 5\lambda_2 - \lambda_3 - \lambda_4 + 3\lambda_5 - 9\lambda_6 - 5\lambda_7 - 9\lambda_8 - \lambda_9 - 9\lambda_{10} \leq 0$	(0, 4, 2, 3, 8, 1, 6, 5, 7, 9)
	$3\lambda_1 + 7\lambda_2 - \lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - \lambda_7 - 9\lambda_8 - 5\lambda_9 - 5\lambda_{10} \leq 0$	(1, 0, 2, 4, 6, 8, 9, 3, 5, 7)
	$3\lambda_1 - \lambda_2 + 7\lambda_3 - 9\lambda_4 - \lambda_5 - \lambda_6 - 9\lambda_7 - 9\lambda_8 - 5\lambda_9 - 5\lambda_{10} \leq 0$	(2, 0, 1, 4, 5, 8, 9, 3, 6, 7)
	$3\lambda_1 - \lambda_2 - \lambda_3 - \lambda_4 + 7\lambda_5 - 9\lambda_6 - 9\lambda_7 - 9\lambda_8 - 5\lambda_9 - 5\lambda_{10} \leq 0$	(4, 0, 1, 2, 3, 8, 9, 5, 6, 7)
	$3\lambda_1 + 7\lambda_2 - \lambda_3 - 9\lambda_4 - \lambda_5 - 9\lambda_6 - 5\lambda_7 - 5\lambda_8 - \lambda_9 - 9\lambda_{10} \leq 0$	(1, 0, 2, 4, 8, 6, 7, 3, 5, 9)
	$3\lambda_1 + 7\lambda_2 - \lambda_3 - 9\lambda_4 - 5\lambda_5 - 5\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 - 9\lambda_{10} \leq 0$	(1, 0, 2, 6, 8, 4, 5, 3, 7, 9)
	$3\lambda_1 + 7\lambda_2 - 5\lambda_3 - 5\lambda_4 - \lambda_5 - 9\lambda_6 - \lambda_7 - 9\lambda_8 - \lambda_9 - 9\lambda_{10} \leq 0$	(1, 0, 4, 6, 8, 2, 3, 5, 7, 9)
(3, 1, 1, -1, -1, -1, -3, -3, -3, -5)	$3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - \lambda_9 - 3\lambda_{10} \leq 0$	(0, 1, 2, 6, 7, 8, 4, 5, 9, 3)
	$3\lambda_1 + \lambda_2 + \lambda_3 - 5\lambda_4 - \lambda_5 - 3\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 4, 8, 9, 5, 6, 7, 3)
	$3\lambda_1 + \lambda_2 - \lambda_3 - 3\lambda_4 + \lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 1, 4, 2, 8, 9, 3, 6, 7, 5)
	$3\lambda_1 - 3\lambda_2 - \lambda_3 + \lambda_4 + \lambda_5 - \lambda_6 - 5\lambda_7 - 3\lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(0, 3, 4, 2, 5, 9, 1, 7, 8, 6)
	$3\lambda_1 - \lambda_2 + \lambda_3 - 3\lambda_4 + \lambda_5 - 5\lambda_6 - 3\lambda_7 - \lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(0, 2, 4, 1, 7, 9, 3, 6, 8, 5)
	$3\lambda_1 - \lambda_2 + \lambda_3 - 3\lambda_4 + \lambda_5 - 3\lambda_6 - 5\lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(0, 2, 4, 1, 8, 9, 3, 5, 7, 6)
	$3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 + \lambda_7 - 5\lambda_8 - \lambda_9 - 3\lambda_{10} \leq 0$	(0, 1, 6, 4, 5, 8, 2, 3, 9, 7)
	$3\lambda_1 - 3\lambda_2 + \lambda_3 - \lambda_4 - \lambda_5 + \lambda_6 - 5\lambda_7 - 3\lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(0, 2, 5, 3, 4, 9, 1, 7, 8, 6)
	$3\lambda_1 + \lambda_2 - 3\lambda_3 - 3\lambda_4 - \lambda_5 - \lambda_6 - \lambda_7 - 3\lambda_8 + \lambda_9 - 5\lambda_{10} \leq 0$	(0, 1, 8, 4, 5, 6, 2, 3, 7, 9)
	$3\lambda_1 + \lambda_2 - \lambda_3 - 3\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 + \lambda_9 - 5\lambda_{10} \leq 0$	(0, 1, 8, 2, 6, 7, 3, 4, 5, 9)
	$-\lambda_1 + \lambda_2 + 3\lambda_3 - 3\lambda_4 + \lambda_5 - \lambda_6 - 5\lambda_7 - 3\lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(2, 1, 4, 0, 5, 9, 3, 7, 8, 6)
	$\lambda_1 - \lambda_2 + 3\lambda_3 - 3\lambda_4 - \lambda_5 + \lambda_6 - 5\lambda_7 - 3\lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(2, 0, 5, 1, 4, 9, 3, 7, 8, 6)
	$\lambda_1 - \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(4, 0, 2, 1, 3, 9, 6, 7, 8, 5)
	$-\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 - 3\lambda_{10} \leq 0$	(4, 1, 2, 0, 3, 8, 6, 7, 9, 5)
	$-\lambda_1 + \lambda_2 + \lambda_3 - \lambda_4 + 3\lambda_5 - 3\lambda_6 - 5\lambda_7 - 3\lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(4, 1, 2, 0, 3, 9, 5, 7, 8, 6)
	$\lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 5\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 - 3\lambda_{10} \leq 0$	(4, 0, 3, 1, 2, 8, 6, 7, 9, 5)
	$\lambda_1 - \lambda_2 - \lambda_3 + \lambda_4 + 3\lambda_5 - 3\lambda_6 - 5\lambda_7 - 3\lambda_8 - 3\lambda_9 - \lambda_{10} \leq 0$	(4, 0, 3, 1, 2, 9, 5, 7, 8, 6)
(5, 5, 1, 1, -3, -3, -7, -7, -11, -11)	$5\lambda_1 + \lambda_2 + 5\lambda_3 - 11\lambda_4 + \lambda_5 - 11\lambda_6 - 7\lambda_7 - 7\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(0, 2, 1, 4, 8, 9, 6, 7, 3, 5)
	$\lambda_1 + 5\lambda_2 + 5\lambda_3 - 11\lambda_4 + \lambda_5 - 7\lambda_6 - 11\lambda_7 - 7\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(1, 2, 0, 4, 8, 9, 5, 7, 3, 6)
	$\lambda_1 + 5\lambda_2 + \lambda_3 - 7\lambda_4 + 5\lambda_5 - 11\lambda_6 - 11\lambda_7 - 7\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(1, 4, 0, 2, 8, 9, 3, 7, 5, 6)
	$\lambda_1 + \lambda_2 + 5\lambda_3 - 7\lambda_4 + 5\lambda_5 - 11\lambda_6 - 7\lambda_7 - 11\lambda_8 - 3\lambda_9 - 3\lambda_{10} \leq 0$	(2, 4, 0, 1, 8, 9, 3, 6, 5, 7)
(2, 1, 0, 0, -1, -1, -2, -2, -3, -3)	$2\lambda_1 + \lambda_2 - 3\lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 4, 7, 9, 6, 8, 3, 5)
	$2\lambda_1 + \lambda_2 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 6, 5, 9, 4, 8, 3, 7)

$2\lambda_1 + \lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 1, 4, 6, 3, 9, 2, 8, 5, 7)
$2\lambda_1 - 2\lambda_2 + \lambda_3 - \lambda_4 - 3\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 2, 4, 5, 3, 9, 1, 8, 6, 7)
$2\lambda_1 + \lambda_2 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - 2\lambda_7 - \lambda_8 - 3\lambda_{10} \leq 0$	(0, 1, 2, 8, 5, 7, 4, 6, 3, 9)
$2\lambda_1 + \lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - 3\lambda_{10} \leq 0$	(0, 1, 4, 8, 3, 7, 2, 6, 5, 9)
$2\lambda_1 + \lambda_2 - 2\lambda_3 - \lambda_4 - 2\lambda_5 - \lambda_6 - 3\lambda_8 - 3\lambda_{10} \leq 0$	(0, 1, 6, 8, 3, 5, 2, 4, 7, 9)
$2\lambda_1 + \lambda_3 - 3\lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(0, 2, 1, 4, 7, 8, 6, 9, 3, 5)
$2\lambda_1 + \lambda_3 - 3\lambda_4 - 2\lambda_6 - 3\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 2, 1, 4, 7, 9, 5, 8, 3, 6)
$2\lambda_1 + \lambda_3 - 3\lambda_4 - 2\lambda_5 - \lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 2, 1, 5, 6, 9, 4, 8, 3, 7)
$2\lambda_2 + \lambda_3 - 3\lambda_4 - 2\lambda_6 - \lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(1, 2, 0, 4, 6, 9, 5, 8, 3, 7)
$2\lambda_1 + \lambda_3 - 3\lambda_4 - \lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 - 3\lambda_{10} \leq 0$	(0, 2, 1, 8, 4, 7, 5, 6, 3, 9)
$2\lambda_1 - \lambda_2 - \lambda_3 + \lambda_5 - 3\lambda_6 - 2\lambda_7 - 2\lambda_8 - 3\lambda_{10} \leq 0$	(0, 4, 3, 8, 1, 2, 6, 7, 5, 9)
$2\lambda_1 - 2\lambda_4 + \lambda_5 - 3\lambda_6 - 3\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 4, 1, 2, 7, 9, 3, 8, 5, 6)
$2\lambda_1 - 2\lambda_3 + \lambda_5 - 3\lambda_6 - \lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 4, 1, 3, 6, 9, 2, 8, 5, 7)
$2\lambda_1 - 2\lambda_2 + \lambda_5 - \lambda_6 - 3\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 4, 2, 3, 5, 9, 1, 8, 6, 7)
$2\lambda_2 - 2\lambda_4 + \lambda_5 - 3\lambda_6 - \lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(1, 4, 0, 2, 6, 9, 3, 8, 5, 7)
$2\lambda_3 - 2\lambda_4 + \lambda_5 - \lambda_6 - 3\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(2, 4, 0, 1, 5, 9, 3, 8, 6, 7)
$\lambda_1 + 2\lambda_2 - 3\lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(1, 0, 2, 4, 7, 8, 6, 9, 3, 5)
$\lambda_1 + 2\lambda_2 - 3\lambda_4 - 3\lambda_6 - \lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(1, 0, 2, 4, 6, 9, 7, 8, 3, 5)
$\lambda_1 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(2, 0, 1, 4, 5, 9, 7, 8, 3, 6)
$\lambda_1 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(4, 0, 1, 2, 3, 9, 7, 8, 5, 6)
$\lambda_1 + 2\lambda_3 - 3\lambda_4 - \lambda_5 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(2, 0, 1, 5, 4, 8, 7, 9, 3, 6)
$\lambda_1 - \lambda_3 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(4, 0, 1, 3, 2, 8, 7, 9, 5, 6)
$\lambda_1 + 2\lambda_2 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - 3\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(1, 0, 2, 6, 5, 8, 4, 9, 3, 7)
$\lambda_1 + 2\lambda_2 - 3\lambda_4 - \lambda_5 - 2\lambda_6 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(1, 0, 2, 6, 4, 9, 5, 8, 3, 7)
$\lambda_1 + 2\lambda_3 - 3\lambda_4 - \lambda_5 - 2\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(2, 0, 1, 5, 4, 9, 6, 8, 3, 7)
$\lambda_1 - \lambda_3 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(4, 0, 1, 3, 2, 9, 6, 8, 5, 7)
$\lambda_1 - \lambda_2 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(4, 0, 2, 3, 1, 8, 6, 9, 5, 7)
$\lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - 3\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(1, 0, 4, 6, 3, 8, 2, 9, 5, 7)
$\lambda_1 + 2\lambda_2 - \lambda_3 - 2\lambda_4 - 3\lambda_6 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(1, 0, 4, 6, 2, 9, 3, 8, 5, 7)
$\lambda_1 - \lambda_2 + 2\lambda_3 - 2\lambda_4 - 3\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(2, 0, 4, 5, 1, 9, 3, 8, 6, 7)
$\lambda_1 - \lambda_2 + 2\lambda_5 - 2\lambda_6 - 3\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(4, 0, 2, 3, 1, 9, 5, 8, 6, 7)

	$\lambda_1 + 2\lambda_2 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - \lambda_7 - 2\lambda_8 - 3\lambda_{10} \leq 0$	(1, 0, 2, 8, 5, 6, 4, 7, 3, 9)
	$\lambda_1 + 2\lambda_2 - 3\lambda_4 - \lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 - 3\lambda_{10} \leq 0$	(1, 0, 2, 8, 4, 7, 5, 6, 3, 9)
	$\lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - 3\lambda_6 - \lambda_7 - 2\lambda_8 - 3\lambda_{10} \leq 0$	(1, 0, 4, 8, 3, 6, 2, 7, 5, 9)
	$\lambda_1 + 2\lambda_2 - \lambda_3 - 2\lambda_4 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - 3\lambda_{10} \leq 0$	(1, 0, 4, 8, 2, 7, 3, 6, 5, 9)
	$\lambda_1 + 2\lambda_2 - 2\lambda_3 - \lambda_4 - \lambda_5 - 2\lambda_6 - 3\lambda_8 - 3\lambda_{10} \leq 0$	(1, 0, 6, 8, 3, 4, 2, 5, 7, 9)
	$\lambda_1 + 2\lambda_2 - \lambda_3 - 2\lambda_4 - 2\lambda_5 - \lambda_6 - 3\lambda_8 - 3\lambda_{10} \leq 0$	(1, 0, 6, 8, 2, 5, 3, 4, 7, 9)
	$\lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(2, 1, 0, 4, 5, 8, 7, 9, 3, 6)
	$\lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(4, 1, 0, 2, 3, 8, 7, 9, 5, 6)
	$\lambda_2 + 2\lambda_3 - 3\lambda_4 - 2\lambda_6 - \lambda_7 - 3\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(2, 1, 0, 4, 6, 8, 5, 9, 3, 7)
	$\lambda_2 + 2\lambda_3 - 3\lambda_4 - \lambda_6 - 2\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(2, 1, 0, 4, 5, 9, 6, 8, 3, 7)
	$\lambda_2 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(4, 1, 0, 2, 3, 9, 6, 8, 5, 7)
	$\lambda_3 - \lambda_4 + 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - 3\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(4, 2, 0, 1, 3, 8, 6, 9, 5, 7)
	$\lambda_3 - \lambda_4 + 2\lambda_5 - 2\lambda_6 - 3\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(4, 2, 0, 1, 3, 9, 5, 8, 6, 7)
(3, 1, 0, 0, -1, -2, -2, -3, -4, -4)	$3\lambda_1 + \lambda_2 - 4\lambda_4 - 4\lambda_6 - 3\lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 1, 2, 4, 9, 7, 8, 6, 3, 5)
	$3\lambda_1 + \lambda_2 - 4\lambda_4 - 3\lambda_5 - 2\lambda_6 - 2\lambda_7 - \lambda_8 - 4\lambda_{10} \leq 0$	(0, 1, 2, 8, 7, 5, 6, 4, 3, 9)
	$3\lambda_1 + \lambda_2 - 3\lambda_3 - 2\lambda_4 - 2\lambda_5 - \lambda_6 - 4\lambda_8 - 4\lambda_{10} \leq 0$	(0, 1, 6, 8, 5, 3, 4, 2, 7, 9)
	$3\lambda_1 + \lambda_3 - 4\lambda_4 - 4\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(0, 2, 1, 4, 8, 7, 9, 6, 3, 5)
	$3\lambda_1 + \lambda_3 - 4\lambda_4 - 3\lambda_6 - 4\lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 2, 1, 4, 9, 7, 8, 5, 3, 6)
	$3\lambda_1 + \lambda_3 - 4\lambda_4 - 2\lambda_5 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - 4\lambda_{10} \leq 0$	(0, 2, 1, 8, 7, 4, 6, 5, 3, 9)
	$3\lambda_1 - 2\lambda_2 - \lambda_3 + \lambda_5 - 4\lambda_6 - 3\lambda_7 - 2\lambda_8 - 4\lambda_{10} \leq 0$	(0, 4, 3, 8, 2, 1, 7, 6, 5, 9)
	$3\lambda_1 - 3\lambda_4 + \lambda_5 - 4\lambda_6 - 4\lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(0, 4, 1, 2, 9, 7, 8, 3, 5, 6)
	$\lambda_1 - \lambda_2 + 3\lambda_5 - 4\lambda_6 - 4\lambda_7 - 3\lambda_8 - 2\lambda_9 - 2\lambda_{10} \leq 0$	(4, 0, 2, 3, 1, 8, 9, 7, 5, 6)
	$\lambda_3 - \lambda_4 + 3\lambda_5 - 4\lambda_6 - 4\lambda_7 - 3\lambda_8 - 2\lambda_9 - 2\lambda_{10} \leq 0$	(4, 2, 0, 1, 3, 8, 9, 7, 5, 6)
(2, 1, 1, 0, -1, -1, -2, -3, -3, -4)	$\lambda_1 + \lambda_2 + 2\lambda_3 - 4\lambda_4 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(2, 0, 1, 4, 8, 9, 7, 5, 6, 3)
	$\lambda_2 + \lambda_3 - 2\lambda_4 + 2\lambda_5 - 4\lambda_6 - 3\lambda_7 - 3\lambda_8 - \lambda_9 - \lambda_{10} \leq 0$	(4, 1, 2, 0, 8, 9, 3, 6, 7, 5)
(9, 5, 1, 1, -3, -7, -7, -11, -15, -15)	$9\lambda_1 + \lambda_2 + 5\lambda_3 - 15\lambda_4 + \lambda_5 - 15\lambda_6 - 11\lambda_7 - 7\lambda_8 - 7\lambda_9 - 3\lambda_{10} \leq 0$	(0, 2, 1, 4, 9, 7, 8, 6, 3, 5)
	$\lambda_1 + 5\lambda_2 + 9\lambda_3 - 15\lambda_4 + \lambda_5 - 7\lambda_6 - 15\lambda_7 - 11\lambda_8 - 7\lambda_9 - 3\lambda_{10} \leq 0$	(2, 1, 0, 4, 9, 5, 8, 7, 3, 6)
	$\lambda_1 + 5\lambda_2 + \lambda_3 - 7\lambda_4 + 9\lambda_5 - 15\lambda_6 - 15\lambda_7 - 11\lambda_8 - 7\lambda_9 - 3\lambda_{10} \leq 0$	(4, 1, 0, 2, 9, 3, 8, 7, 5, 6)
	$\lambda_1 + \lambda_2 + 5\lambda_3 - 7\lambda_4 + 9\lambda_5 - 15\lambda_6 - 15\lambda_7 - 11\lambda_8 - 3\lambda_9 - 7\lambda_{10} \leq 0$	(4, 2, 0, 1, 8, 3, 9, 7, 5, 6)
	$\lambda_1 + \lambda_2 + 5\lambda_3 - 7\lambda_4 + 9\lambda_5 - 15\lambda_6 - 11\lambda_7 - 15\lambda_8 - 7\lambda_9 - 3\lambda_{10} \leq 0$	(4, 2, 0, 1, 9, 3, 8, 6, 5, 7)
(3, 2, 1, 0, -1, -2, -3, -4, -5, -6)	$2\lambda_1 + \lambda_2 + 3\lambda_3 - 6\lambda_4 - 5\lambda_6 - 4\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(2, 0, 1, 4, 9, 8, 7, 6, 5, 3)

$2\lambda_2 + \lambda_3 - 3\lambda_4 + 3\lambda_5 - 6\lambda_6 - 5\lambda_7 - 4\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(4, 1, 2, 0, 9, 8, 3, 7, 6, 5)
$\lambda_1 + 2\lambda_2 + 3\lambda_3 - 6\lambda_4 - 5\lambda_6 - 4\lambda_7 - 3\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(2, 1, 0, 4, 8, 9, 7, 6, 5, 3)
$\lambda_1 + 2\lambda_2 + 3\lambda_3 - 6\lambda_4 - 4\lambda_6 - 5\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(2, 1, 0, 4, 9, 8, 7, 5, 6, 3)
$\lambda_2 + 2\lambda_3 - 3\lambda_4 + 3\lambda_5 - 6\lambda_6 - 5\lambda_7 - 4\lambda_8 - \lambda_9 - 2\lambda_{10} \leq 0$	(4, 2, 1, 0, 8, 9, 3, 7, 6, 5)
$\lambda_2 + 2\lambda_3 - 3\lambda_4 + 3\lambda_5 - 6\lambda_6 - 4\lambda_7 - 5\lambda_8 - 2\lambda_9 - \lambda_{10} \leq 0$	(4, 2, 1, 0, 9, 8, 3, 6, 7, 5)