

Table 1: Fermionic case  $\wedge^3 \mathbb{C}^{11}$ 

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

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

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

	$\lambda_1 + 2\lambda_2 - 3\lambda_3 - \lambda_4 - 2\lambda_5 - \lambda_6 + \lambda_8 - 3\lambda_9 - 2\lambda_{10} - \lambda_{11} \geq 0$	(1, 0, 7, 6, 3, 5, 10, 4, 9, 2, 8)
	$-\lambda_1 + \lambda_3 + 2\lambda_4 - 3\lambda_5 - 2\lambda_6 - \lambda_7 + \lambda_8 - 3\lambda_9 - 2\lambda_{10} - \lambda_{11} \geq 0$	(3, 2, 7, 1, 0, 6, 10, 5, 9, 4, 8)
	$\lambda_1 + \lambda_2 - 2\lambda_3 + 2\lambda_4 - 3\lambda_5 - 3\lambda_6 - 2\lambda_8 - \lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(3, 0, 1, 6, 8, 9, 10, 2, 7, 4, 5)
	$\lambda_1 - 2\lambda_2 + \lambda_3 + 2\lambda_4 - 3\lambda_5 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(3, 0, 2, 5, 8, 9, 10, 1, 7, 4, 6)
	$-2\lambda_1 + \lambda_2 + \lambda_3 + 2\lambda_4 - 3\lambda_6 - 3\lambda_7 - 2\lambda_8 - \lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(3, 1, 2, 4, 8, 9, 10, 0, 7, 5, 6)
	$\lambda_1 + \lambda_2 - 2\lambda_3 + 2\lambda_4 - 3\lambda_5 - 3\lambda_6 - \lambda_7 - \lambda_8 - 2\lambda_{10} - \lambda_{11} \geq 0$	(3, 0, 1, 8, 6, 7, 10, 2, 9, 4, 5)
(8, 5, 2, -1, -1, -4, -4, -7, -7, -10, -13)	$-7\lambda_1 + 8\lambda_2 - \lambda_3 + 2\lambda_4 + 5\lambda_5 - 13\lambda_6 - 10\lambda_7 - 7\lambda_8 - 4\lambda_9 - 4\lambda_{10} - \lambda_{11} \geq 0$	(1, 4, 3, 2, 10, 8, 9, 0, 7, 6, 5)
	$5\lambda_1 + 8\lambda_2 - 13\lambda_3 + 2\lambda_4 - 10\lambda_5 - 7\lambda_6 - \lambda_7 - 7\lambda_8 - 4\lambda_9 - 4\lambda_{10} - \lambda_{11} \geq 0$	(1, 0, 3, 6, 10, 8, 9, 5, 7, 4, 2)
	$5\lambda_1 + 8\lambda_2 - 13\lambda_3 + 2\lambda_4 - 10\lambda_5 - 7\lambda_6 - 4\lambda_7 - \lambda_8 - 7\lambda_9 - 4\lambda_{10} - \lambda_{11} \geq 0$	(1, 0, 3, 7, 10, 6, 9, 5, 8, 4, 2)
	$5\lambda_1 + 8\lambda_2 - 13\lambda_3 - 7\lambda_4 - \lambda_5 + 2\lambda_6 - 10\lambda_7 - 7\lambda_8 - 4\lambda_9 - 4\lambda_{10} - \lambda_{11} \geq 0$	(1, 0, 5, 4, 10, 8, 9, 3, 7, 6, 2)
	$2\lambda_1 + 5\lambda_2 - 7\lambda_3 + 8\lambda_4 - 13\lambda_5 - 10\lambda_6 - \lambda_7 - 7\lambda_8 - 4\lambda_9 - 4\lambda_{10} - \lambda_{11} \geq 0$	(3, 1, 0, 6, 10, 8, 9, 2, 7, 5, 4)
	$-7\lambda_1 + 2\lambda_2 + 5\lambda_3 + 8\lambda_4 - \lambda_5 - 13\lambda_6 - 10\lambda_7 - 7\lambda_8 - 4\lambda_9 - 4\lambda_{10} - \lambda_{11} \geq 0$	(3, 2, 1, 4, 10, 8, 9, 0, 7, 6, 5)
	$2\lambda_1 + 5\lambda_2 - 7\lambda_3 + 8\lambda_4 - 13\lambda_5 - 10\lambda_6 - 4\lambda_7 - 4\lambda_8 - \lambda_9 - 7\lambda_{10} - \lambda_{11} \geq 0$	(3, 1, 0, 8, 10, 6, 7, 2, 9, 5, 4)
(3, 2, 1, 0, -1, -1, -2, -3, -4, -5)	$-3\lambda_1 + 3\lambda_2 + \lambda_4 + 2\lambda_5 - 5\lambda_6 - 4\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(1, 4, 3, 2, 9, 10, 8, 0, 7, 6, 5)
	$2\lambda_1 + 3\lambda_2 - 5\lambda_3 + \lambda_4 - 4\lambda_5 - 3\lambda_6 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(1, 0, 3, 6, 9, 10, 8, 5, 7, 4, 2)
	$2\lambda_1 + 3\lambda_2 - 5\lambda_3 - 3\lambda_4 + \lambda_6 - 4\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(1, 0, 5, 4, 9, 10, 8, 3, 7, 6, 2)
	$\lambda_1 + 2\lambda_2 - 3\lambda_3 + 3\lambda_4 - 5\lambda_5 - 4\lambda_6 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(3, 1, 0, 6, 9, 10, 8, 2, 7, 5, 4)
	$-3\lambda_1 + \lambda_2 + 2\lambda_3 + 3\lambda_4 - 5\lambda_6 - 4\lambda_7 - 3\lambda_8 - 2\lambda_9 - \lambda_{10} - \lambda_{11} \geq 0$	(3, 2, 1, 4, 9, 10, 8, 0, 7, 6, 5)
	$\lambda_1 + 2\lambda_2 - 3\lambda_3 + 3\lambda_4 - 5\lambda_5 - 4\lambda_6 - 2\lambda_7 - \lambda_8 - 3\lambda_{10} - \lambda_{11} \geq 0$	(3, 1, 0, 8, 7, 10, 6, 2, 9, 5, 4)
(3, 2, 1, 0, -1, -1, -2, -2, -3, -4, -5)	$3\lambda_1 + 2\lambda_2 - 5\lambda_3 + \lambda_4 - 4\lambda_5 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$	(0, 1, 3, 10, 7, 9, 6, 8, 5, 4, 2)
	$3\lambda_1 + 2\lambda_2 - 5\lambda_3 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - 2\lambda_7 - \lambda_8 + \lambda_{10} - 4\lambda_{11} \geq 0$	(0, 1, 9, 8, 5, 7, 4, 6, 3, 10, 2)
	$3\lambda_1 - 3\lambda_2 - 2\lambda_3 - \lambda_4 - 2\lambda_5 - \lambda_6 + 2\lambda_8 - 5\lambda_9 + \lambda_{10} - 4\lambda_{11} \geq 0$	(0, 7, 9, 6, 3, 5, 2, 4, 1, 10, 8)
	$3\lambda_1 + \lambda_2 - 4\lambda_3 + 2\lambda_4 - 5\lambda_5 - 3\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$	(0, 3, 1, 10, 7, 9, 6, 8, 5, 2, 4)
	$3\lambda_1 + \lambda_2 - 4\lambda_3 - 3\lambda_4 - 2\lambda_5 - \lambda_6 - 2\lambda_7 - \lambda_8 + 2\lambda_{10} - 5\lambda_{11} \geq 0$	(0, 9, 1, 8, 5, 7, 4, 6, 3, 2, 10)
	$\lambda_1 + 3\lambda_2 - 4\lambda_3 + 2\lambda_4 - 3\lambda_5 - 5\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$	(1, 3, 0, 10, 7, 9, 6, 8, 4, 2, 5)
	$3\lambda_1 - 3\lambda_2 - 2\lambda_3 - \lambda_4 - 2\lambda_5 - \lambda_6 + \lambda_8 - 4\lambda_9 + 2\lambda_{10} - 5\lambda_{11} \geq 0$	(0, 9, 7, 6, 3, 5, 2, 4, 1, 8, 10)
	$2\lambda_1 + 3\lambda_2 - 5\lambda_3 + \lambda_4 - 4\lambda_5 - 3\lambda_6 - \lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$	(1, 0, 3, 10, 6, 9, 7, 8, 5, 4, 2)
	$2\lambda_1 + 3\lambda_2 - 5\lambda_3 + \lambda_4 - 3\lambda_5 - 4\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$	(1, 0, 3, 10, 7, 9, 6, 8, 4, 5, 2)
	$2\lambda_1 + \lambda_2 - 3\lambda_3 + 3\lambda_4 - 5\lambda_5 - 4\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$	(3, 0, 1, 10, 7, 9, 6, 8, 2, 5, 4)
	$\lambda_1 + 2\lambda_2 - 3\lambda_3 + 3\lambda_4 - 5\lambda_5 - 4\lambda_6 - 2\lambda_7 - \lambda_8 - \lambda_9 - 2\lambda_{10} \geq 0$	(3, 1, 0, 10, 7, 8, 6, 9, 2, 5, 4)
	$\lambda_1 + 2\lambda_2 - 3\lambda_3 + 3\lambda_4 - 5\lambda_5 - 4\lambda_6 - \lambda_7 - 2\lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$	(3, 1, 0, 10, 6, 9, 7, 8, 2, 5, 4)

$$\lambda_1 + 2\lambda_2 - 3\lambda_3 + 3\lambda_4 - 4\lambda_5 - 5\lambda_6 - 2\lambda_7 - \lambda_8 - 2\lambda_9 - \lambda_{10} \geq 0$$

$$(3, 1, 0, 10, 7, 9, 6, 8, 2, 4, 5)$$