

Table 1: Fermionic case $\wedge^4 \mathbb{C}^8$

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