

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

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