

Table 1: Kronecker case in dimension  $(4, 4, 4)$

dominant 1-PS	Inequality	$w$
$(0, 0, 0, 0) (0, 0, 0, 0) (1, 1, 1, 0) - 1$	$(0, 0, 0, 0) (0, 0, 0, 0) (1, 1, 1, 0) - 1$	$(0, 1, 2, 3) (0, 1, 2, 3) (0, 1, 2, 3)$
$(0, 0, 0, 0) (1, 0, 0, 0) (1, 0, 0, 0) - 1$	$(0, 0, 0, 0) (0, 1, 0, 0) (0, 0, 0, 1) - 1$	$(0, 1, 2, 3) (1, 0, 2, 3) (3, 0, 1, 2)$
	$(0, 0, 0, 0) (0, 0, 1, 0) (0, 0, 1, 0) - 1$	$(0, 1, 2, 3) (2, 0, 1, 3) (2, 0, 1, 3)$
$(1, 0, 0, 0) (1, 1, 0, 0) (1, 1, 0, 0) - 2$	$(1, 0, 0, 0) (1, 1, 0, 0) (0, 0, 1, 1) - 2$	$(0, 1, 2, 3) (0, 1, 2, 3) (2, 3, 0, 1)$
	$(1, 0, 0, 0) (1, 0, 1, 0) (0, 1, 0, 1) - 2$	$(0, 1, 2, 3) (0, 2, 1, 3) (1, 3, 0, 2)$
	$(1, 0, 0, 0) (0, 1, 1, 0) (1, 0, 0, 1) - 2$	$(0, 1, 2, 3) (1, 2, 0, 3) (0, 3, 1, 2)$
	$(0, 1, 0, 0) (1, 1, 0, 0) (0, 1, 0, 1) - 2$	$(1, 0, 2, 3) (0, 1, 2, 3) (1, 3, 0, 2)$
	$(0, 1, 0, 0) (1, 0, 1, 0) (0, 1, 1, 0) - 2$	$(1, 0, 2, 3) (0, 2, 1, 3) (1, 2, 0, 3)$
	$(0, 1, 0, 0) (1, 0, 1, 0) (1, 0, 0, 1) - 2$	$(1, 0, 2, 3) (0, 2, 1, 3) (0, 3, 1, 2)$
	$(0, 0, 1, 0) (1, 1, 0, 0) (0, 1, 1, 0) - 2$	$(2, 0, 1, 3) (0, 1, 2, 3) (1, 2, 0, 3)$
	$(0, 0, 1, 0) (1, 1, 0, 0) (1, 0, 0, 1) - 2$	$(2, 0, 1, 3) (0, 1, 2, 3) (0, 3, 1, 2)$
	$(0, 0, 1, 0) (1, 0, 1, 0) (1, 0, 1, 0) - 2$	$(2, 0, 1, 3) (0, 2, 1, 3) (0, 2, 1, 3)$
	$(0, 0, 0, 1) (1, 1, 0, 0) (1, 0, 1, 0) - 2$	$(3, 0, 1, 2) (0, 1, 2, 3) (0, 2, 1, 3)$
$(1, 0, 0, 0) (1, 0, 0, 0) (1, 1, 1, 0) - 2$	$(1, 0, 0, 0) (1, 0, 0, 0) (0, 1, 1, 1) - 2$	$(0, 1, 2, 3) (0, 1, 2, 3) (1, 2, 3, 0)$
	$(1, 0, 0, 0) (0, 1, 0, 0) (1, 0, 1, 1) - 2$	$(0, 1, 2, 3) (1, 0, 2, 3) (0, 2, 3, 1)$
	$(1, 0, 0, 0) (0, 0, 1, 0) (1, 1, 0, 1) - 2$	$(0, 1, 2, 3) (2, 0, 1, 3) (0, 1, 3, 2)$
	$(1, 0, 0, 0) (0, 0, 0, 1) (1, 1, 1, 0) - 2$	$(0, 1, 2, 3) (3, 0, 1, 2) (0, 1, 2, 3)$
	$(0, 1, 0, 0) (0, 1, 0, 0) (1, 1, 0, 1) - 2$	$(1, 0, 2, 3) (1, 0, 2, 3) (0, 1, 3, 2)$
	$(0, 1, 0, 0) (0, 0, 1, 0) (1, 1, 1, 0) - 2$	$(1, 0, 2, 3) (2, 0, 1, 3) (0, 1, 2, 3)$
$(1, 1, 0, 0) (1, 1, 0, 0) (1, 1, 0, 0) - 2$	$(1, 1, 0, 0) (0, 0, 1, 1) (0, 0, 1, 1) - 2$	$(0, 1, 2, 3) (2, 3, 0, 1) (2, 3, 0, 1)$
	$(1, 0, 1, 0) (0, 1, 0, 1) (0, 0, 1, 1) - 2$	$(0, 2, 1, 3) (1, 3, 0, 2) (2, 3, 0, 1)$
	$(0, 1, 1, 0) (0, 1, 1, 0) (0, 0, 1, 1) - 2$	$(1, 2, 0, 3) (1, 2, 0, 3) (2, 3, 0, 1)$
	$(0, 1, 1, 0) (1, 0, 0, 1) (0, 0, 1, 1) - 2$	$(1, 2, 0, 3) (0, 3, 1, 2) (2, 3, 0, 1)$
	$(0, 1, 1, 0) (0, 1, 0, 1) (0, 1, 0, 1) - 2$	$(1, 2, 0, 3) (1, 3, 0, 2) (1, 3, 0, 2)$
	$(1, 0, 0, 1) (1, 0, 0, 1) (0, 0, 1, 1) - 2$	$(0, 3, 1, 2) (0, 3, 1, 2) (2, 3, 0, 1)$
	$(1, 0, 0, 1) (0, 1, 0, 1) (0, 1, 0, 1) - 2$	$(0, 3, 1, 2) (1, 3, 0, 2) (1, 3, 0, 2)$
$(1, 0, 0, 0) (1, 1, 0, 0) (1, 1, 1, 0) - 2$	$(0, 1, 0, 0) (1, 0, 0, 1) (0, 1, 1, 1) - 2$	$(1, 0, 2, 3) (0, 3, 1, 2) (1, 2, 3, 0)$
	$(0, 1, 0, 0) (0, 1, 0, 1) (1, 0, 1, 1) - 2$	$(1, 0, 2, 3) (1, 3, 0, 2) (0, 2, 3, 1)$

	(0, 1, 0, 0) (0, 0, 1, 1) (1, 1, 0, 1) − 2	(1, 0, 2, 3) (2, 3, 0, 1) (0, 1, 3, 2)
	(0, 0, 1, 0) (1, 0, 1, 0) (0, 1, 1, 1) − 2	(2, 0, 1, 3) (0, 2, 1, 3) (1, 2, 3, 0)
	(0, 0, 1, 0) (0, 1, 1, 0) (1, 0, 1, 1) − 2	(2, 0, 1, 3) (1, 2, 0, 3) (0, 2, 3, 1)
	(0, 0, 1, 0) (1, 0, 0, 1) (1, 0, 1, 1) − 2	(2, 0, 1, 3) (0, 3, 1, 2) (0, 2, 3, 1)
	(0, 0, 1, 0) (0, 1, 0, 1) (1, 1, 0, 1) − 2	(2, 0, 1, 3) (1, 3, 0, 2) (0, 1, 3, 2)
	(0, 0, 1, 0) (0, 0, 1, 1) (1, 1, 1, 0) − 2	(2, 0, 1, 3) (2, 3, 0, 1) (0, 1, 2, 3)
	(0, 0, 0, 1) (1, 1, 0, 0) (0, 1, 1, 1) − 2	(3, 0, 1, 2) (0, 1, 2, 3) (1, 2, 3, 0)
	(0, 0, 0, 1) (1, 0, 1, 0) (1, 0, 1, 1) − 2	(3, 0, 1, 2) (0, 2, 1, 3) (0, 2, 3, 1)
	(0, 0, 0, 1) (0, 1, 1, 0) (1, 1, 0, 1) − 2	(3, 0, 1, 2) (1, 2, 0, 3) (0, 1, 3, 2)
	(0, 0, 0, 1) (1, 0, 0, 1) (1, 1, 0, 1) − 2	(3, 0, 1, 2) (0, 3, 1, 2) (0, 1, 3, 2)
	(0, 0, 0, 1) (0, 1, 0, 1) (1, 1, 1, 0) − 2	(3, 0, 1, 2) (1, 3, 0, 2) (0, 1, 2, 3)
(1, 0, 0, 0) (1, 0, 0, 0) (2, 1, 1, 0) − 2	(0, 1, 0, 0) (0, 0, 0, 1) (0, 1, 1, 2) − 2	(1, 0, 2, 3) (3, 0, 1, 2) (3, 1, 2, 0)
	(0, 0, 1, 0) (0, 0, 1, 0) (0, 1, 1, 2) − 2	(2, 0, 1, 3) (2, 0, 1, 3) (3, 1, 2, 0)
	(0, 0, 1, 0) (0, 0, 0, 1) (0, 1, 2, 1) − 2	(2, 0, 1, 3) (3, 0, 1, 2) (2, 1, 3, 0)
	(0, 0, 1, 0) (0, 0, 0, 1) (1, 0, 1, 2) − 2	(2, 0, 1, 3) (3, 0, 1, 2) (3, 0, 2, 1)
	(0, 0, 0, 1) (0, 0, 0, 1) (0, 2, 1, 1) − 2	(3, 0, 1, 2) (3, 0, 1, 2) (1, 2, 3, 0)
	(0, 0, 0, 1) (0, 0, 0, 1) (1, 0, 2, 1) − 2	(3, 0, 1, 2) (3, 0, 1, 2) (2, 0, 3, 1)
	(0, 0, 0, 1) (0, 0, 0, 1) (1, 1, 0, 2) − 2	(3, 0, 1, 2) (3, 0, 1, 2) (3, 0, 1, 2)
(1, 0, 0, 0) (2, 1, 1, 0) (2, 1, 1, 0) − 3	(0, 1, 0, 0) (1, 2, 0, 1) (0, 1, 1, 2) − 3	(1, 0, 2, 3) (1, 0, 3, 2) (3, 1, 2, 0)
	(0, 1, 0, 0) (1, 1, 2, 0) (0, 1, 1, 2) − 3	(1, 0, 2, 3) (2, 0, 1, 3) (3, 1, 2, 0)
	(0, 0, 1, 0) (1, 2, 1, 0) (0, 1, 1, 2) − 3	(2, 0, 1, 3) (1, 0, 2, 3) (3, 1, 2, 0)
	(0, 0, 1, 0) (1, 2, 0, 1) (1, 0, 1, 2) − 3	(2, 0, 1, 3) (1, 0, 3, 2) (3, 0, 2, 1)
	(0, 0, 1, 0) (0, 1, 2, 1) (1, 1, 2, 0) − 3	(2, 0, 1, 3) (2, 1, 3, 0) (2, 0, 1, 3)
	(0, 0, 1, 0) (1, 1, 2, 0) (1, 0, 1, 2) − 3	(2, 0, 1, 3) (2, 0, 1, 3) (3, 0, 2, 1)
	(0, 0, 0, 1) (1, 2, 1, 0) (1, 0, 1, 2) − 3	(3, 0, 1, 2) (1, 0, 2, 3) (3, 0, 2, 1)
	(0, 0, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) − 3	(3, 0, 1, 2) (1, 0, 3, 2) (3, 0, 1, 2)
	(0, 0, 0, 1) (1, 0, 2, 1) (1, 1, 2, 0) − 3	(3, 0, 1, 2) (2, 0, 3, 1) (2, 0, 1, 3)
	(0, 0, 0, 1) (1, 1, 2, 0) (1, 1, 0, 2) − 3	(3, 0, 1, 2) (2, 0, 1, 3) (3, 0, 1, 2)
(1, 1, 1, 0) (2, 1, 0, 0) (2, 1, 0, 0) − 3	(1, 0, 1, 1) (0, 2, 0, 1) (0, 0, 1, 2) − 3	(0, 2, 3, 1) (1, 3, 0, 2) (3, 2, 0, 1)
	(1, 0, 1, 1) (0, 1, 2, 0) (0, 0, 1, 2) − 3	(0, 2, 3, 1) (2, 1, 0, 3) (3, 2, 0, 1)
	(0, 1, 1, 1) (0, 2, 1, 0) (0, 0, 1, 2) − 3	(1, 2, 3, 0) (1, 2, 0, 3) (3, 2, 0, 1)

	(0, 1, 1, 1) (0, 2, 0, 1) (0, 1, 0, 2) − 3	(1, 2, 3, 0) (1, 3, 0, 2) (3, 1, 0, 2)
	(0, 1, 1, 1) (0, 0, 2, 1) (0, 1, 2, 0) − 3	(1, 2, 3, 0) (2, 3, 0, 1) (2, 1, 0, 3)
	(0, 1, 1, 1) (1, 0, 2, 0) (0, 0, 1, 2) − 3	(1, 2, 3, 0) (2, 0, 1, 3) (3, 2, 0, 1)
	(0, 1, 1, 1) (0, 1, 2, 0) (0, 1, 0, 2) − 3	(1, 2, 3, 0) (2, 1, 0, 3) (3, 1, 0, 2)
(1, 1, 0, 0) (2, 1, 0, 0) (2, 1, 1, 0) − 3	(0, 1, 1, 0) (0, 1, 2, 0) (0, 1, 1, 2) − 3	(1, 2, 0, 3) (2, 1, 0, 3) (3, 1, 2, 0)
	(1, 0, 0, 1) (0, 2, 0, 1) (0, 1, 1, 2) − 3	(0, 3, 1, 2) (1, 3, 0, 2) (3, 1, 2, 0)
	(1, 0, 0, 1) (0, 1, 2, 0) (0, 1, 1, 2) − 3	(0, 3, 1, 2) (2, 1, 0, 3) (3, 1, 2, 0)
	(0, 1, 0, 1) (0, 2, 1, 0) (0, 1, 1, 2) − 3	(1, 3, 0, 2) (1, 2, 0, 3) (3, 1, 2, 0)
	(0, 1, 0, 1) (0, 2, 0, 1) (1, 0, 1, 2) − 3	(1, 3, 0, 2) (1, 3, 0, 2) (3, 0, 2, 1)
	(0, 1, 0, 1) (1, 0, 2, 0) (0, 1, 1, 2) − 3	(1, 3, 0, 2) (2, 0, 1, 3) (3, 1, 2, 0)
	(0, 1, 0, 1) (0, 1, 2, 0) (0, 1, 2, 1) − 3	(1, 3, 0, 2) (2, 1, 0, 3) (2, 1, 3, 0)
	(0, 1, 0, 1) (0, 1, 2, 0) (1, 0, 1, 2) − 3	(1, 3, 0, 2) (2, 1, 0, 3) (3, 0, 2, 1)
	(0, 1, 0, 1) (0, 0, 1, 2) (1, 2, 0, 1) − 3	(1, 3, 0, 2) (3, 2, 0, 1) (1, 0, 3, 2)
	(0, 1, 0, 1) (0, 0, 1, 2) (1, 1, 2, 0) − 3	(1, 3, 0, 2) (3, 2, 0, 1) (2, 0, 1, 3)
	(0, 0, 1, 1) (0, 2, 1, 0) (1, 0, 1, 2) − 3	(2, 3, 0, 1) (1, 2, 0, 3) (3, 0, 2, 1)
	(0, 0, 1, 1) (0, 2, 0, 1) (1, 1, 0, 2) − 3	(2, 3, 0, 1) (1, 3, 0, 2) (3, 0, 1, 2)
	(0, 0, 1, 1) (0, 0, 2, 1) (1, 1, 2, 0) − 3	(2, 3, 0, 1) (2, 3, 0, 1) (2, 0, 1, 3)
	(0, 0, 1, 1) (1, 0, 2, 0) (1, 0, 1, 2) − 3	(2, 3, 0, 1) (2, 0, 1, 3) (3, 0, 2, 1)
	(0, 0, 1, 1) (0, 1, 2, 0) (1, 0, 2, 1) − 3	(2, 3, 0, 1) (2, 1, 0, 3) (2, 0, 3, 1)
	(0, 0, 1, 1) (0, 1, 2, 0) (1, 1, 0, 2) − 3	(2, 3, 0, 1) (2, 1, 0, 3) (3, 0, 1, 2)
	(0, 0, 1, 1) (0, 1, 0, 2) (1, 2, 0, 1) − 3	(2, 3, 0, 1) (3, 1, 0, 2) (1, 0, 3, 2)
	(0, 0, 1, 1) (0, 1, 0, 2) (1, 1, 2, 0) − 3	(2, 3, 0, 1) (3, 1, 0, 2) (2, 0, 1, 3)
	(0, 0, 1, 1) (0, 0, 1, 2) (1, 2, 1, 0) − 3	(2, 3, 0, 1) (3, 2, 0, 1) (1, 0, 2, 3)
(1, 1, 0, 0) (2, 1, 1, 0) (2, 1, 1, 0) − 3	(0, 1, 1, 0) (0, 1, 1, 2) (0, 1, 1, 2) − 3	(1, 2, 0, 3) (3, 1, 2, 0) (3, 1, 2, 0)
	(1, 0, 0, 1) (0, 1, 1, 2) (0, 1, 1, 2) − 3	(0, 3, 1, 2) (3, 1, 2, 0) (3, 1, 2, 0)
	(0, 1, 0, 1) (0, 1, 2, 1) (0, 1, 1, 2) − 3	(1, 3, 0, 2) (2, 1, 3, 0) (3, 1, 2, 0)
	(0, 1, 0, 1) (1, 0, 1, 2) (0, 1, 1, 2) − 3	(1, 3, 0, 2) (3, 0, 2, 1) (3, 1, 2, 0)
	(0, 0, 1, 1) (0, 2, 1, 1) (0, 1, 1, 2) − 3	(2, 3, 0, 1) (1, 2, 3, 0) (3, 1, 2, 0)
	(0, 0, 1, 1) (1, 0, 2, 1) (0, 1, 1, 2) − 3	(2, 3, 0, 1) (2, 0, 3, 1) (3, 1, 2, 0)
	(0, 0, 1, 1) (0, 1, 2, 1) (0, 1, 2, 1) − 3	(2, 3, 0, 1) (2, 1, 3, 0) (2, 1, 3, 0)
	(0, 0, 1, 1) (0, 1, 2, 1) (1, 0, 1, 2) − 3	(2, 3, 0, 1) (2, 1, 3, 0) (3, 0, 2, 1)

$(1, 1, 0, 0) (2, 1, 0, 0) (2, 1, 0, 0) - 3$	$(0, 0, 1, 1) (1, 1, 0, 2) (0, 1, 1, 2) - 3$	$(2, 3, 0, 1) (3, 0, 1, 2) (3, 1, 2, 0)$
	$(0, 0, 1, 1) (1, 0, 1, 2) (1, 0, 1, 2) - 3$	$(2, 3, 0, 1) (3, 0, 2, 1) (3, 0, 2, 1)$
	$(0, 1, 1, 0) (1, 2, 0, 0) (0, 0, 1, 2) - 3$	$(1, 2, 0, 3) (1, 0, 2, 3) (3, 2, 0, 1)$
	$(0, 1, 1, 0) (0, 1, 2, 0) (0, 1, 2, 0) - 3$	$(1, 2, 0, 3) (2, 1, 0, 3) (2, 1, 0, 3)$
	$(1, 0, 0, 1) (0, 1, 2, 0) (0, 1, 2, 0) - 3$	$(0, 3, 1, 2) (2, 1, 0, 3) (2, 1, 0, 3)$
	$(0, 1, 0, 1) (1, 2, 0, 0) (0, 1, 0, 2) - 3$	$(1, 3, 0, 2) (1, 0, 2, 3) (3, 1, 0, 2)$
	$(0, 1, 0, 1) (1, 0, 2, 0) (0, 1, 2, 0) - 3$	$(1, 3, 0, 2) (2, 0, 1, 3) (2, 1, 0, 3)$
	$(0, 0, 1, 1) (1, 2, 0, 0) (1, 0, 0, 2) - 3$	$(2, 3, 0, 1) (1, 0, 2, 3) (3, 0, 1, 2)$
	$(0, 0, 1, 1) (1, 0, 2, 0) (1, 0, 2, 0) - 3$	$(2, 3, 0, 1) (2, 0, 1, 3) (2, 0, 1, 3)$
$(2, 1, 1, 0) (2, 1, 1, 0) (2, 1, 1, 0) - 4$	$(2, 1, 1, 0) (2, 0, 1, 1) (0, 1, 1, 2) - 4$	$(0, 1, 2, 3) (0, 2, 3, 1) (3, 1, 2, 0)$
	$(2, 1, 1, 0) (1, 2, 0, 1) (0, 1, 1, 2) - 4$	$(0, 1, 2, 3) (1, 0, 3, 2) (3, 1, 2, 0)$
	$(2, 1, 1, 0) (1, 1, 2, 0) (0, 1, 1, 2) - 4$	$(0, 1, 2, 3) (2, 0, 1, 3) (3, 1, 2, 0)$
	$(2, 1, 0, 1) (2, 1, 0, 1) (0, 1, 1, 2) - 4$	$(0, 1, 3, 2) (0, 1, 3, 2) (3, 1, 2, 0)$
	$(2, 1, 0, 1) (2, 0, 1, 1) (0, 1, 2, 1) - 4$	$(0, 1, 3, 2) (0, 2, 3, 1) (2, 1, 3, 0)$
	$(2, 1, 0, 1) (1, 2, 1, 0) (0, 1, 1, 2) - 4$	$(0, 1, 3, 2) (1, 0, 2, 3) (3, 1, 2, 0)$
	$(2, 1, 0, 1) (1, 2, 0, 1) (0, 1, 2, 1) - 4$	$(0, 1, 3, 2) (1, 0, 3, 2) (2, 1, 3, 0)$
	$(2, 1, 0, 1) (1, 2, 0, 1) (1, 0, 1, 2) - 4$	$(0, 1, 3, 2) (1, 0, 3, 2) (3, 0, 2, 1)$
	$(2, 1, 0, 1) (1, 1, 2, 0) (1, 0, 1, 2) - 4$	$(0, 1, 3, 2) (2, 0, 1, 3) (3, 0, 2, 1)$
	$(2, 0, 1, 1) (2, 0, 1, 1) (0, 2, 1, 1) - 4$	$(0, 2, 3, 1) (0, 2, 3, 1) (1, 2, 3, 0)$
	$(2, 0, 1, 1) (1, 2, 1, 0) (1, 0, 1, 2) - 4$	$(0, 2, 3, 1) (1, 0, 2, 3) (3, 0, 2, 1)$
	$(2, 0, 1, 1) (1, 2, 0, 1) (1, 0, 2, 1) - 4$	$(0, 2, 3, 1) (1, 0, 3, 2) (2, 0, 3, 1)$
	$(2, 0, 1, 1) (1, 1, 2, 0) (1, 1, 0, 2) - 4$	$(0, 2, 3, 1) (2, 0, 1, 3) (3, 0, 1, 2)$
	$(0, 2, 1, 1) (1, 2, 0, 1) (1, 2, 0, 1) - 4$	$(1, 2, 3, 0) (1, 0, 3, 2) (1, 0, 3, 2)$
	$(0, 2, 1, 1) (1, 1, 2, 0) (1, 1, 2, 0) - 4$	$(1, 2, 3, 0) (2, 0, 1, 3) (2, 0, 1, 3)$
	$(1, 2, 1, 0) (1, 2, 1, 0) (0, 1, 1, 2) - 4$	$(1, 0, 2, 3) (1, 0, 2, 3) (3, 1, 2, 0)$
	$(1, 2, 1, 0) (1, 2, 0, 1) (0, 1, 2, 1) - 4$	$(1, 0, 2, 3) (1, 0, 3, 2) (2, 1, 3, 0)$
	$(1, 2, 1, 0) (1, 2, 0, 1) (1, 0, 1, 2) - 4$	$(1, 0, 2, 3) (1, 0, 3, 2) (3, 0, 2, 1)$
	$(1, 2, 1, 0) (0, 1, 2, 1) (1, 1, 2, 0) - 4$	$(1, 0, 2, 3) (2, 1, 3, 0) (2, 0, 1, 3)$
	$(1, 2, 1, 0) (1, 1, 2, 0) (1, 0, 1, 2) - 4$	$(1, 0, 2, 3) (2, 0, 1, 3) (3, 0, 2, 1)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 0, 2, 1) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (2, 0, 3, 1)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$
	$(1, 2, 0, 1) (1, 2, 0, 1) (1, 1, 0, 2) - 4$	$(1, 0, 3, 2) (1, 0, 3, 2) (3, 0, 1, 2)$

	(1, 2, 0, 1) (1, 0, 2, 1) (1, 1, 2, 0) − 4	(1, 0, 3, 2) (2, 0, 3, 1) (2, 0, 1, 3)
	(1, 2, 0, 1) (1, 1, 2, 0) (1, 1, 0, 2) − 4	(1, 0, 3, 2) (2, 0, 1, 3) (3, 0, 1, 2)
	(1, 0, 2, 1) (1, 1, 2, 0) (1, 1, 2, 0) − 4	(2, 0, 3, 1) (2, 0, 1, 3) (2, 0, 1, 3)
	(1, 1, 2, 0) (1, 1, 2, 0) (1, 1, 0, 2) − 4	(2, 0, 1, 3) (2, 0, 1, 3) (3, 0, 1, 2)
(2, 1, 0, 0) (2, 1, 0, 0) (2, 2, 1, 0) − 4	(2, 1, 0, 0) (2, 0, 0, 1) (0, 1, 2, 2) − 4	(0, 1, 2, 3) (0, 3, 1, 2) (2, 3, 1, 0)
	(2, 1, 0, 0) (0, 0, 1, 2) (1, 2, 2, 0) − 4	(0, 1, 2, 3) (3, 2, 0, 1) (1, 2, 0, 3)
	(2, 0, 1, 0) (2, 0, 1, 0) (0, 1, 2, 2) − 4	(0, 2, 1, 3) (0, 2, 1, 3) (2, 3, 1, 0)
	(2, 0, 1, 0) (2, 0, 0, 1) (0, 2, 1, 2) − 4	(0, 2, 1, 3) (0, 3, 1, 2) (1, 3, 2, 0)
	(2, 0, 1, 0) (0, 2, 0, 1) (2, 0, 1, 2) − 4	(0, 2, 1, 3) (1, 3, 0, 2) (0, 3, 2, 1)
	(2, 0, 1, 0) (1, 2, 0, 0) (0, 1, 2, 2) − 4	(0, 2, 1, 3) (1, 0, 2, 3) (2, 3, 1, 0)
	(2, 0, 1, 0) (0, 1, 2, 0) (2, 0, 1, 2) − 4	(0, 2, 1, 3) (2, 1, 0, 3) (0, 3, 2, 1)
	(2, 0, 1, 0) (0, 1, 2, 0) (1, 2, 0, 2) − 4	(0, 2, 1, 3) (2, 1, 0, 3) (1, 3, 0, 2)
	(2, 0, 1, 0) (0, 1, 0, 2) (1, 2, 2, 0) − 4	(0, 2, 1, 3) (3, 1, 0, 2) (1, 2, 0, 3)
	(2, 0, 1, 0) (0, 0, 1, 2) (2, 2, 0, 1) − 4	(0, 2, 1, 3) (3, 2, 0, 1) (0, 1, 3, 2)
	(2, 0, 1, 0) (0, 0, 1, 2) (2, 1, 2, 0) − 4	(0, 2, 1, 3) (3, 2, 0, 1) (0, 2, 1, 3)
	(0, 2, 1, 0) (2, 0, 0, 1) (2, 0, 1, 2) − 4	(1, 2, 0, 3) (0, 3, 1, 2) (0, 3, 2, 1)
	(0, 2, 1, 0) (0, 1, 2, 0) (1, 2, 2, 0) − 4	(1, 2, 0, 3) (2, 1, 0, 3) (1, 2, 0, 3)
	(2, 0, 0, 1) (2, 0, 0, 1) (0, 2, 2, 1) − 4	(0, 3, 1, 2) (0, 3, 1, 2) (1, 2, 3, 0)
	(2, 0, 0, 1) (0, 2, 0, 1) (2, 0, 2, 1) − 4	(0, 3, 1, 2) (1, 3, 0, 2) (0, 2, 3, 1)
	(2, 0, 0, 1) (0, 0, 2, 1) (2, 2, 0, 1) − 4	(0, 3, 1, 2) (2, 3, 0, 1) (0, 1, 3, 2)
	(2, 0, 0, 1) (1, 2, 0, 0) (1, 0, 2, 2) − 4	(0, 3, 1, 2) (1, 0, 2, 3) (2, 3, 0, 1)
	(2, 0, 0, 1) (1, 0, 2, 0) (1, 2, 0, 2) − 4	(0, 3, 1, 2) (2, 0, 1, 3) (1, 3, 0, 2)
	(2, 0, 0, 1) (1, 0, 0, 2) (1, 2, 2, 0) − 4	(0, 3, 1, 2) (3, 0, 1, 2) (1, 2, 0, 3)
	(2, 0, 0, 1) (0, 1, 2, 0) (2, 1, 0, 2) − 4	(0, 3, 1, 2) (2, 1, 0, 3) (0, 3, 1, 2)
	(2, 0, 0, 1) (0, 1, 0, 2) (2, 1, 2, 0) − 4	(0, 3, 1, 2) (3, 1, 0, 2) (0, 2, 1, 3)
	(2, 0, 0, 1) (0, 0, 1, 2) (2, 2, 1, 0) − 4	(0, 3, 1, 2) (3, 2, 0, 1) (0, 1, 2, 3)
	(0, 2, 0, 1) (0, 2, 0, 1) (2, 2, 0, 1) − 4	(1, 3, 0, 2) (1, 3, 0, 2) (0, 1, 3, 2)
	(0, 2, 0, 1) (1, 2, 0, 0) (1, 2, 0, 2) − 4	(1, 3, 0, 2) (1, 0, 2, 3) (1, 3, 0, 2)
	(0, 2, 0, 1) (1, 0, 2, 0) (1, 2, 2, 0) − 4	(1, 3, 0, 2) (2, 0, 1, 3) (1, 2, 0, 3)
	(0, 2, 0, 1) (0, 1, 2, 0) (2, 1, 2, 0) − 4	(1, 3, 0, 2) (2, 1, 0, 3) (0, 2, 1, 3)
	(0, 0, 2, 1) (1, 2, 0, 0) (1, 2, 2, 0) − 4	(2, 3, 0, 1) (1, 0, 2, 3) (1, 2, 0, 3)

	(1, 2, 0, 0) (0, 1, 2, 0) (2, 0, 1, 2) - 4	(1, 0, 2, 3) (2, 1, 0, 3) (0, 3, 2, 1)
	(1, 2, 0, 0) (0, 1, 2, 0) (1, 2, 0, 2) - 4	(1, 0, 2, 3) (2, 1, 0, 3) (1, 3, 0, 2)
	(1, 2, 0, 0) (0, 1, 0, 2) (1, 2, 2, 0) - 4	(1, 0, 2, 3) (3, 1, 0, 2) (1, 2, 0, 3)
	(1, 2, 0, 0) (0, 0, 1, 2) (2, 1, 2, 0) - 4	(1, 0, 2, 3) (3, 2, 0, 1) (0, 2, 1, 3)
	(1, 0, 2, 0) (0, 1, 2, 0) (1, 2, 2, 0) - 4	(2, 0, 1, 3) (2, 1, 0, 3) (1, 2, 0, 3)
	(0, 1, 2, 0) (0, 1, 2, 0) (2, 2, 0, 1) - 4	(2, 1, 0, 3) (2, 1, 0, 3) (0, 1, 3, 2)
	(0, 1, 2, 0) (0, 1, 2, 0) (2, 1, 2, 0) - 4	(2, 1, 0, 3) (2, 1, 0, 3) (0, 2, 1, 3)
(2, 1, 0, 0) (2, 2, 1, 0) (2, 2, 1, 0) - 4	(0, 0, 1, 2) (1, 2, 2, 0) (0, 1, 2, 2) - 4	(3, 2, 0, 1) (1, 2, 0, 3) (2, 3, 1, 0)
(2, 1, 0, 0) (2, 1, 1, 0) (2, 2, 1, 0) - 4	(1, 2, 0, 0) (0, 1, 1, 2) (2, 0, 1, 2) - 4	(1, 0, 2, 3) (3, 1, 2, 0) (0, 3, 2, 1)
	(1, 2, 0, 0) (0, 1, 1, 2) (1, 2, 0, 2) - 4	(1, 0, 2, 3) (3, 1, 2, 0) (1, 3, 0, 2)
	(1, 0, 2, 0) (0, 1, 1, 2) (1, 2, 2, 0) - 4	(2, 0, 1, 3) (3, 1, 2, 0) (1, 2, 0, 3)
	(0, 1, 2, 0) (0, 1, 2, 1) (1, 2, 2, 0) - 4	(2, 1, 0, 3) (2, 1, 3, 0) (1, 2, 0, 3)
	(0, 1, 2, 0) (1, 0, 1, 2) (1, 2, 2, 0) - 4	(2, 1, 0, 3) (3, 0, 2, 1) (1, 2, 0, 3)
	(0, 1, 2, 0) (0, 1, 1, 2) (2, 1, 2, 0) - 4	(2, 1, 0, 3) (3, 1, 2, 0) (0, 2, 1, 3)
	(0, 0, 1, 2) (1, 2, 0, 1) (1, 2, 2, 0) - 4	(3, 2, 0, 1) (1, 0, 3, 2) (1, 2, 0, 3)
(2, 1, 1, 0) (2, 1, 1, 0) (2, 2, 1, 0) - 4	(0, 1, 2, 1) (0, 1, 1, 2) (1, 2, 2, 0) - 4	(2, 1, 3, 0) (3, 1, 2, 0) (1, 2, 0, 3)
	(1, 0, 1, 2) (0, 1, 1, 2) (1, 2, 2, 0) - 4	(3, 0, 2, 1) (3, 1, 2, 0) (1, 2, 0, 3)
	(0, 1, 1, 2) (0, 1, 1, 2) (2, 2, 0, 1) - 4	(3, 1, 2, 0) (3, 1, 2, 0) (0, 1, 3, 2)
	(0, 1, 1, 2) (0, 1, 1, 2) (2, 1, 2, 0) - 4	(3, 1, 2, 0) (3, 1, 2, 0) (0, 2, 1, 3)
(2, 1, 0, 0) (2, 1, 1, 0) (3, 2, 1, 0) - 4	(0, 2, 0, 1) (0, 1, 1, 2) (0, 1, 2, 3) - 4	(1, 3, 0, 2) (3, 1, 2, 0) (3, 2, 1, 0)
	(0, 1, 2, 0) (0, 1, 1, 2) (0, 1, 2, 3) - 4	(2, 1, 0, 3) (3, 1, 2, 0) (3, 2, 1, 0)
	(0, 0, 1, 2) (0, 1, 1, 2) (0, 3, 1, 2) - 4	(3, 2, 0, 1) (3, 1, 2, 0) (1, 3, 2, 0)
	(0, 0, 1, 2) (0, 1, 1, 2) (0, 2, 3, 1) - 4	(3, 2, 0, 1) (3, 1, 2, 0) (2, 1, 3, 0)
	(0, 0, 1, 2) (0, 1, 1, 2) (2, 0, 1, 3) - 4	(3, 2, 0, 1) (3, 1, 2, 0) (3, 0, 2, 1)
	(0, 0, 1, 2) (0, 1, 1, 2) (1, 2, 0, 3) - 4	(3, 2, 0, 1) (3, 1, 2, 0) (3, 1, 0, 2)
(2, 1, 0, 0) (3, 2, 1, 0) (3, 2, 2, 0) - 5	(0, 0, 1, 2) (0, 1, 2, 3) (2, 2, 3, 0) - 5	(3, 2, 0, 1) (3, 2, 1, 0) (2, 0, 1, 3)
(2, 2, 1, 0) (3, 2, 0, 0) (3, 2, 1, 0) - 5	(0, 1, 2, 2) (0, 2, 3, 0) (0, 1, 2, 3) - 5	(2, 3, 1, 0) (2, 1, 0, 3) (3, 2, 1, 0)
(2, 1, 0, 0) (3, 2, 1, 0) (3, 2, 1, 0) - 5	(0, 2, 0, 1) (2, 3, 0, 1) (0, 1, 2, 3) - 5	(1, 3, 0, 2) (1, 0, 3, 2) (3, 2, 1, 0)
	(0, 1, 2, 0) (2, 3, 0, 1) (0, 1, 2, 3) - 5	(2, 1, 0, 3) (1, 0, 3, 2) (3, 2, 1, 0)
	(0, 0, 1, 2) (2, 3, 0, 1) (2, 0, 1, 3) - 5	(3, 2, 0, 1) (1, 0, 3, 2) (3, 0, 2, 1)
	(0, 0, 1, 2) (2, 3, 0, 1) (1, 2, 0, 3) - 5	(3, 2, 0, 1) (1, 0, 3, 2) (3, 1, 0, 2)

	$(0, 0, 1, 2) (2, 0, 3, 1) (1, 2, 3, 0) - 5$	$(3, 2, 0, 1) (2, 0, 3, 1) (2, 1, 0, 3)$
$(2, 1, 1, 0) (3, 2, 1, 0) (3, 2, 1, 0) - 5$	$(0, 1, 2, 1) (1, 2, 3, 0) (0, 1, 2, 3) - 5$	$(2, 1, 3, 0) (2, 1, 0, 3) (3, 2, 1, 0)$
	$(1, 0, 1, 2) (1, 2, 3, 0) (0, 1, 2, 3) - 5$	$(3, 0, 2, 1) (2, 1, 0, 3) (3, 2, 1, 0)$
	$(0, 1, 1, 2) (1, 3, 2, 0) (0, 1, 2, 3) - 5$	$(3, 1, 2, 0) (1, 2, 0, 3) (3, 2, 1, 0)$
	$(0, 1, 1, 2) (0, 1, 3, 2) (1, 2, 3, 0) - 5$	$(3, 1, 2, 0) (2, 3, 1, 0) (2, 1, 0, 3)$
	$(0, 1, 1, 2) (2, 1, 3, 0) (0, 1, 2, 3) - 5$	$(3, 1, 2, 0) (2, 0, 1, 3) (3, 2, 1, 0)$
	$(0, 1, 1, 2) (0, 2, 1, 3) (1, 2, 3, 0) - 5$	$(3, 1, 2, 0) (3, 1, 2, 0) (2, 1, 0, 3)$
	$(0, 1, 1, 2) (1, 2, 3, 0) (1, 0, 2, 3) - 5$	$(3, 1, 2, 0) (2, 1, 0, 3) (3, 2, 0, 1)$
$(4, 2, 1, 0) (4, 3, 2, 0) (4, 3, 2, 0) - 8$	$(1, 2, 4, 0) (2, 3, 4, 0) (0, 2, 3, 4) - 8$	$(2, 1, 0, 3) (2, 1, 0, 3) (3, 2, 1, 0)$
	$(0, 1, 2, 4) (2, 4, 0, 3) (2, 3, 4, 0) - 8$	$(3, 2, 1, 0) (1, 3, 0, 2) (2, 1, 0, 3)$
$(3, 2, 1, 0) (3, 2, 1, 0) (3, 2, 1, 0) - 6$	$(3, 2, 0, 1) (3, 0, 1, 2) (0, 1, 2, 3) - 6$	$(0, 1, 3, 2) (0, 3, 2, 1) (3, 2, 1, 0)$
	$(3, 2, 0, 1) (1, 2, 3, 0) (0, 1, 2, 3) - 6$	$(0, 1, 3, 2) (2, 1, 0, 3) (3, 2, 1, 0)$
	$(3, 0, 2, 1) (2, 3, 0, 1) (0, 1, 2, 3) - 6$	$(0, 2, 3, 1) (1, 0, 3, 2) (3, 2, 1, 0)$
	$(3, 1, 2, 0) (3, 0, 1, 2) (0, 1, 2, 3) - 6$	$(0, 2, 1, 3) (0, 3, 2, 1) (3, 2, 1, 0)$
	$(3, 1, 2, 0) (1, 2, 3, 0) (0, 1, 2, 3) - 6$	$(0, 2, 1, 3) (2, 1, 0, 3) (3, 2, 1, 0)$
	$(3, 1, 0, 2) (2, 3, 0, 1) (0, 1, 2, 3) - 6$	$(0, 3, 1, 2) (1, 0, 3, 2) (3, 2, 1, 0)$
	$(1, 3, 2, 0) (2, 3, 0, 1) (0, 1, 2, 3) - 6$	$(1, 2, 0, 3) (1, 0, 3, 2) (3, 2, 1, 0)$
	$(3, 0, 1, 2) (3, 0, 1, 2) (0, 3, 1, 2) - 6$	$(0, 3, 2, 1) (0, 3, 2, 1) (1, 3, 2, 0)$
	$(3, 0, 1, 2) (3, 0, 1, 2) (0, 2, 3, 1) - 6$	$(0, 3, 2, 1) (0, 3, 2, 1) (2, 1, 3, 0)$
	$(3, 0, 1, 2) (0, 1, 3, 2) (2, 3, 0, 1) - 6$	$(0, 3, 2, 1) (2, 3, 1, 0) (1, 0, 3, 2)$
	$(3, 0, 1, 2) (2, 3, 1, 0) (0, 1, 2, 3) - 6$	$(0, 3, 2, 1) (1, 0, 2, 3) (3, 2, 1, 0)$
	$(3, 0, 1, 2) (2, 3, 0, 1) (1, 0, 2, 3) - 6$	$(0, 3, 2, 1) (1, 0, 3, 2) (3, 2, 0, 1)$
	$(3, 0, 1, 2) (2, 0, 1, 3) (1, 2, 3, 0) - 6$	$(0, 3, 2, 1) (3, 0, 2, 1) (2, 1, 0, 3)$
	$(3, 0, 1, 2) (1, 2, 3, 0) (1, 2, 0, 3) - 6$	$(0, 3, 2, 1) (2, 1, 0, 3) (3, 1, 0, 2)$
	$(0, 3, 1, 2) (1, 2, 3, 0) (1, 2, 3, 0) - 6$	$(1, 3, 2, 0) (2, 1, 0, 3) (2, 1, 0, 3)$
	$(0, 1, 3, 2) (2, 3, 0, 1) (1, 2, 3, 0) - 6$	$(2, 3, 1, 0) (1, 0, 3, 2) (2, 1, 0, 3)$
	$(2, 3, 1, 0) (1, 2, 3, 0) (0, 1, 2, 3) - 6$	$(1, 0, 2, 3) (2, 1, 0, 3) (3, 2, 1, 0)$
	$(2, 1, 3, 0) (2, 3, 0, 1) (0, 1, 2, 3) - 6$	$(2, 0, 1, 3) (1, 0, 3, 2) (3, 2, 1, 0)$
	$(2, 3, 0, 1) (0, 2, 1, 3) (1, 2, 3, 0) - 6$	$(1, 0, 3, 2) (3, 1, 2, 0) (2, 1, 0, 3)$
	$(2, 3, 0, 1) (1, 2, 3, 0) (1, 0, 2, 3) - 6$	$(1, 0, 3, 2) (2, 1, 0, 3) (3, 2, 0, 1)$
	$(0, 2, 3, 1) (1, 2, 3, 0) (1, 2, 3, 0) - 6$	$(2, 1, 3, 0) (2, 1, 0, 3) (2, 1, 0, 3)$

	(2, 0, 1, 3) (1, 2, 3, 0) (1, 2, 3, 0) − 6	(3, 0, 2, 1) (2, 1, 0, 3) (2, 1, 0, 3)
	(1, 2, 3, 0) (1, 2, 3, 0) (1, 2, 0, 3) − 6	(2, 1, 0, 3) (2, 1, 0, 3) (3, 1, 0, 2)
(3, 2, 1, 0) (3, 2, 1, 0) (4, 2, 1, 0) − 6	(2, 3, 0, 1) (0, 1, 2, 3) (0, 1, 2, 4) − 6	(1, 0, 3, 2) (3, 2, 1, 0) (3, 2, 1, 0)
	(2, 0, 1, 3) (0, 1, 2, 3) (0, 4, 1, 2) − 6	(3, 0, 2, 1) (3, 2, 1, 0) (1, 3, 2, 0)
	(1, 2, 3, 0) (0, 1, 2, 3) (0, 1, 4, 2) − 6	(2, 1, 0, 3) (3, 2, 1, 0) (2, 3, 1, 0)
	(1, 2, 0, 3) (0, 1, 2, 3) (0, 4, 1, 2) − 6	(3, 1, 0, 2) (3, 2, 1, 0) (1, 3, 2, 0)
(3, 2, 1, 0) (4, 2, 1, 0) (4, 3, 2, 0) − 7	(0, 3, 1, 2) (0, 1, 2, 4) (2, 3, 4, 0) − 7	(1, 3, 2, 0) (3, 2, 1, 0) (2, 1, 0, 3)
	(0, 1, 3, 2) (0, 1, 4, 2) (2, 3, 4, 0) − 7	(2, 3, 1, 0) (2, 3, 1, 0) (2, 1, 0, 3)
	(1, 2, 0, 3) (0, 1, 2, 4) (2, 3, 4, 0) − 7	(3, 1, 0, 2) (3, 2, 1, 0) (2, 1, 0, 3)
	(1, 0, 2, 3) (0, 1, 4, 2) (2, 3, 4, 0) − 7	(3, 2, 0, 1) (2, 3, 1, 0) (2, 1, 0, 3)
	(0, 1, 2, 3) (1, 4, 0, 2) (2, 3, 0, 4) − 7	(3, 2, 1, 0) (1, 3, 0, 2) (3, 1, 0, 2)
	(0, 1, 2, 3) (1, 0, 4, 2) (2, 3, 4, 0) − 7	(3, 2, 1, 0) (2, 3, 0, 1) (2, 1, 0, 3)
	(0, 1, 2, 3) (0, 1, 4, 2) (3, 2, 4, 0) − 7	(3, 2, 1, 0) (2, 3, 1, 0) (2, 0, 1, 3)
	(0, 1, 2, 3) (1, 2, 4, 0) (2, 3, 0, 4) − 7	(3, 2, 1, 0) (2, 1, 0, 3) (3, 1, 0, 2)
	(0, 1, 2, 3) (1, 2, 0, 4) (2, 3, 4, 0) − 7	(3, 2, 1, 0) (3, 1, 0, 2) (2, 1, 0, 3)
	(0, 1, 2, 3) (0, 1, 2, 4) (3, 4, 2, 0) − 7	(3, 2, 1, 0) (3, 2, 1, 0) (1, 0, 2, 3)