Table 1: Kronecker case in dimension (5,5,5)

dominant 1-PS	Inequality	w
(0,0,0,0,0) (0,0,0,0,0) (1,1,1,1,0) -1	(0,0,0,0,0) (0,0,0,0,0) (1,1,1,1,0) -1	(0,1,2,3,4) $(0,1,2,3,4)$ $(0,1,2,3,4)$
(1,0,0,0,0) (1,1,0,0,0) (1,1,1,0,0) -2	(1,0,0,0,0) (1,1,0,0,0) (0,0,1,1,1) - 2	(0,1,2,3,4) (0,1,2,3,4) (2,3,4,0,1)
	(1,0,0,0,0) (1,0,1,0,0) (0,1,0,1,1) - 2	(0,1,2,3,4) (0,2,1,3,4) (1,3,4,0,2)
	(1,0,0,0,0) (0,1,1,0,0) (1,0,0,1,1) -2	(0,1,2,3,4) $(1,2,0,3,4)$ $(0,3,4,1,2)$
	(1,0,0,0,0) (1,0,0,1,0) (0,1,1,0,1) - 2	(0,1,2,3,4) (0,3,1,2,4) (1,2,4,0,3)
	(1,0,0,0,0) (0,1,0,1,0) (1,0,1,0,1) -2	(0,1,2,3,4) $(1,3,0,2,4)$ $(0,2,4,1,3)$
	(1,0,0,0,0) (0,0,1,1,0) (1,1,0,0,1) -2	(0,1,2,3,4) (2,3,0,1,4) (0,1,4,2,3)
	(1,0,0,0,0) (1,0,0,0,1) (0,1,1,1,0) -2	(0,1,2,3,4) (0,4,1,2,3) (1,2,3,0,4)
	(1,0,0,0,0) (0,1,0,0,1) (1,0,1,1,0) -2	(0,1,2,3,4) $(1,4,0,2,3)$ $(0,2,3,1,4)$
	(1,0,0,0,0) (0,0,1,0,1) (1,1,0,1,0) -2	(0,1,2,3,4) $(2,4,0,1,3)$ $(0,1,3,2,4)$
	(1,0,0,0,0) (0,0,0,1,1) (1,1,1,0,0) -2	(0,1,2,3,4) (3,4,0,1,2) (0,1,2,3,4)
	(0,1,0,0,0) (1,0,1,0,0) (1,0,0,1,1) -2	(1,0,2,3,4) (0,2,1,3,4) (0,3,4,1,2)
	(0,1,0,0,0) (1,0,0,1,0) (1,0,1,0,1) - 2	(1,0,2,3,4) (0,3,1,2,4) (0,2,4,1,3)
	(0,1,0,0,0) (1,0,0,0,1) (1,0,1,1,0) -2	(1,0,2,3,4) (0,4,1,2,3) (0,2,3,1,4)
	(0,0,1,0,0) (1,1,0,0,0) (1,0,0,1,1) - 2	(2,0,1,3,4) (0,1,2,3,4) (0,3,4,1,2)
	(0,0,1,0,0) (1,0,0,1,0) (1,1,0,0,1) - 2	(2,0,1,3,4) (0,3,1,2,4) (0,1,4,2,3)
	(0,0,1,0,0) (1,0,0,0,1) (1,1,0,1,0) -2	(2,0,1,3,4) (0,4,1,2,3) (0,1,3,2,4)
	(0,0,0,1,0) (1,0,0,0,1) (1,1,1,0,0) -2	(3,0,1,2,4) (0,4,1,2,3) (0,1,2,3,4)
	(0,0,0,0,1) (1,1,0,0,0) (1,1,0,0,1) - 2	(4,0,1,2,3) (0,1,2,3,4) (0,1,4,2,3)
(1,1,0,0,0) (1,1,0,0,0) (1,1,0,0,0) -2	(1,1,0,0,0) (0,1,1,0,0) (0,0,0,1,1) -2	(0,1,2,3,4) $(1,2,0,3,4)$ $(3,4,0,1,2)$
(1,0,0,0,0) (1,0,0,0,0) (1,1,1,1,0) -2	(1,0,0,0,0) (1,0,0,0,0) (0,1,1,1,1) - 2	(0,1,2,3,4) (0,1,2,3,4) (1,2,3,4,0)
	(1,0,0,0,0) (0,1,0,0,0) (1,0,1,1,1) - 2	(0,1,2,3,4) $(1,0,2,3,4)$ $(0,2,3,4,1)$
	(1,0,0,0,0) (0,0,1,0,0) (1,1,0,1,1) - 2	(0,1,2,3,4) $(2,0,1,3,4)$ $(0,1,3,4,2)$
	(1,0,0,0,0) (0,0,0,1,0) (1,1,1,0,1) - 2	(0,1,2,3,4) (3,0,1,2,4) (0,1,2,4,3)
	(1,0,0,0,0) (0,0,0,0,1) (1,1,1,1,0) -2	(0,1,2,3,4) $(4,0,1,2,3)$ $(0,1,2,3,4)$
(2,1,0,0,0) (2,1,0,0,0) (2,2,2,1,0) -4	(2,1,0,0,0) (2,0,0,0,1) (0,1,2,2,2) -4	(0,1,2,3,4) $(0,4,1,2,3)$ $(2,3,4,1,0)$
	(2,1,0,0,0) (0,0,0,1,2) (1,2,2,2,0) -4	(0,1,2,3,4) $(4,3,0,1,2)$ $(1,2,3,0,4)$
	(2,0,1,0,0) (2,0,0,1,0) (0,1,2,2,2) -4	(0,2,1,3,4) (0,3,1,2,4) (2,3,4,1,0)

```
(2,0,1,0,0) (2,0,0,0,1) (0,2,1,2,2) -4 (0,2,1,3,4) (0,4,1,2,3) (1,3,4,2,0)
(2,0,1,0,0) (0,2,0,0,1) (2,0,1,2,2) -4
                                         (0, 2, 1, 3, 4) (1, 4, 0, 2, 3) (0, 3, 4, 2, 1)
(2,0,1,0,0) (0,0,1,2,0) (1,2,2,0,2) -4
                                         (0,2,1,3,4) (3,2,0,1,4) (1,2,4,0,3)
(2,0,1,0,0) (0,0,1,0,2) (1,2,2,2,0) -4
                                         (0, 2, 1, 3, 4) (4, 2, 0, 1, 3) (1, 2, 3, 0, 4)
(2,0,1,0,0) (0,0,0,1,2) (2,1,2,2,0) -4
                                          (0,2,1,3,4) (4,3,0,1,2) (0,2,3,1,4)
(0,2,1,0,0) (2,0,0,0,1) (2,0,1,2,2) -4
                                         (1,2,0,3,4) (0,4,1,2,3) (0,3,4,2,1)
(2,0,0,1,0) (2,0,0,1,0) (0,2,1,2,2) -4
                                          (0,3,1,2,4) (0,3,1,2,4) (1,3,4,2,0)
                                          (0,3,1,2,4) (1,3,0,2,4) (0,3,4,2,1)
(2,0,0,1,0) (0,2,0,1,0) (2,0,1,2,2) -4
(2,0,0,1,0) (2,0,0,0,1) (0,2,2,1,2) -4
                                          (0,3,1,2,4) (0,4,1,2,3) (1,2,4,3,0)
(2,0,0,1,0) (0,2,0,0,1) (2,0,2,1,2) -4
                                          (0,3,1,2,4) (1,4,0,2,3) (0,2,4,3,1)
(2,0,0,1,0) (0,0,2,0,1) (2,2,0,1,2) -4
                                          (0,3,1,2,4) (2,4,0,1,3) (0,1,4,3,2)
(2,0,0,1,0) (0,1,2,0,0) (1,2,0,2,2) -4
                                          (0,3,1,2,4) (2,1,0,3,4) (1,3,4,0,2)
(2,0,0,1,0) (0,1,0,2,0) (1,2,2,0,2) -4
                                          (0,3,1,2,4) (3,1,0,2,4) (1,2,4,0,3)
(2,0,0,1,0) (0,\overline{1,0,0,2) (1,2,2,2,0) - 4}
                                          (0,3,1,2,4) (4,1,0,2,3) (1,2,3,0,4)
(2,0,0,1,0) (0,0,1,2,0) (2,1,2,0,2) -4
                                         (0,3,1,2,4) (3,2,0,1,4) (0,2,4,1,3)
(2,0,0,1,0) (0,0,1,0,2) (2,1,2,2,0) -4
                                          (0,3,1,2,4) (4,2,0,1,3) (0,2,3,1,4)
(2,0,0,1,0) (0,0,0,1,2) (2,2,1,2,0) -4
                                          (0,3,1,2,4) (4,3,0,1,2) (0,1,3,2,4)
(0, 2, 0, 1, 0) (2, 0, 0, 0, 1) (2, 0, 2, 1, 2) - 4
                                         (1,3,0,2,4) (0,4,1,2,3) (0,2,4,3,1)
(0,0,2,1,0) (2,0,0,0,1) (2,2,0,1,2) - 4
                                         (2,3,0,1,4) (0,4,1,2,3) (0,1,4,3,2)
(2,0,0,0,1) (2,0,0,0,1) (0,2,2,2,1) - 4
                                          (0,4,1,2,3) (0,4,1,2,3) (1,2,3,4,0)
(2,0,0,0,1) (0,2,0,0,1) (2,0,2,2,1) -4
                                         (0,4,1,2,3) (1,4,0,2,3) (0,2,3,4,1)
(2,0,0,0,1) (0,0,2,0,1) (2,2,0,2,1) -4
                                          (0,4,1,2,3) (2,4,0,1,3) (0,1,3,4,2)
(2,0,0,0,1) (0,0,0,2,1) (2,2,2,0,1) -4
                                          (0,4,1,2,3) (3,4,0,1,2) (0,1,2,4,3)
(2,0,0,0,1) (1,2,0,0,0) (1,0,2,2,2) -4
                                         (0,4,1,2,3) (1,0,2,3,4) (2,3,4,0,1)
(2,0,0,0,1) (1,0,2,0,0) (1,2,0,2,2) -4
                                          (0,4,1,2,3) (2,0,1,3,4) (1,3,4,0,2)
(2,0,0,0,1) (1,0,0,2,0) (1,2,2,0,2) - 4
                                          (0,4,1,2,3) (3,0,1,2,4) (1,2,4,0,3)
(2,0,0,0,1) (1,0,0,0,2) (1,2,2,2,0) - 4
                                         (0,4,1,2,3) (4,0,1,2,3) (1,2,3,0,4)
                                         (0,4,1,2,3) (2,1,0,3,4) (0,3,4,1,2)
(2,0,0,0,1) (0,1,2,0,0) (2,1,0,2,2) -4
(2,0,0,0,1) (0,1,0,2,0) (2,1,2,0,2) - 4
                                          (0,4,1,2,3) (3,1,0,2,4) (0,2,4,1,3)
(2,0,0,0,1) (0,1,0,0,2) (2,1,2,2,0) -4
                                         (0,4,1,2,3) (4,1,0,2,3) (0,2,3,1,4)
(2,0,0,0,1) (0,0,1,2,0) (2,2,1,0,2) - 4
                                         (0,4,1,2,3) (3,2,0,1,4) (0,1,4,2,3)
```

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

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

	(2,1,1,0,1)(1,1,1,2,0)(1,0,1,1,2) - 4	(0,1,2,4,3)(3,0,1,2,4)(4,0,2,3,1)
	$\begin{array}{c} (2,1,0,1,1) \ (2,1,0,1,1) \ (0,1,1,2,1) \ -4 \end{array}$	(0,1,3,4,2) (0,1,3,4,2) (3,1,2,4,0)
	(2,1,0,1,1) (2,0,1,1,1) (0,1,2,1,1) - 4	(0,1,3,4,2) $(0,2,3,4,1)$ $(2,1,3,4,0)$
	(2,1,0,1,1) $(1,2,1,1,0)$ $(0,1,1,1,2)$ $-4$	(0,1,3,4,2) (1,0,2,3,4) (4,1,2,3,0)
	(2,1,0,1,1) $(1,2,1,0,1)$ $(0,1,1,2,1)$ $-4$	(0,1,3,4,2) (1,0,2,4,3) (3,1,2,4,0)
	(2,1,0,1,1) (1,2,1,0,1) (1,0,1,1,2) -4	(0,1,3,4,2) (1,0,2,4,3) (4,0,2,3,1)
	(2,1,0,1,1) (1,2,0,1,1) (0,1,2,1,1) -4	(0,1,3,4,2) $(1,0,3,4,2)$ $(2,1,3,4,0)$
	(2,1,0,1,1) (1,2,0,1,1) (1,0,1,2,1) -4	(0,1,3,4,2) $(1,0,3,4,2)$ $(3,0,2,4,1)$
	(2,1,0,1,1) $(1,1,2,1,0)$ $(1,0,1,1,2)$ $-4$	(0,1,3,4,2) $(2,0,1,3,4)$ $(4,0,2,3,1)$
	(2,1,0,1,1)(1,1,2,0,1)(1,0,1,2,1)-4	(0,1,3,4,2) $(2,0,1,4,3)$ $(3,0,2,4,1)$
	(2,1,0,1,1)(1,1,2,0,1)(1,1,0,1,2)-4	(0,1,3,4,2) $(2,0,1,4,3)$ $(4,0,1,3,2)$
	(2,1,0,1,1) (1,1,1,2,0) (1,1,0,1,2) -4	(0,1,3,4,2) $(3,0,1,2,4)$ $(4,0,1,3,2)$
	(2,0,1,1,1) (2,0,1,1,1) (0,2,1,1,1) -4	(0,2,3,4,1) $(0,2,3,4,1)$ $(1,2,3,4,0)$
	(2,0,1,1,1) (1,2,1,1,0) (1,0,1,1,2) -4	(0,2,3,4,1) $(1,0,2,3,4)$ $(4,0,2,3,1)$
	(2,0,1,1,1) (1,2,1,0,1) (1,0,1,2,1) -4	(0,2,3,4,1) $(1,0,2,4,3)$ $(3,0,2,4,1)$
	(2,0,1,1,1) (1,2,0,1,1) (1,0,2,1,1) -4	(0,2,3,4,1) (1,0,3,4,2) (2,0,3,4,1)
	(2,0,1,1,1) (1,1,2,1,0) (1,1,0,1,2) -4	(0,2,3,4,1) $(2,0,1,3,4)$ $(4,0,1,3,2)$
	(2,0,1,1,1) (1,1,2,0,1) (1,1,0,2,1) -4	(0,2,3,4,1) (2,0,1,4,3) (3,0,1,4,2)
	(2,0,1,1,1) (1,1,1,2,0) (1,1,1,0,2) -4	(0,2,3,4,1) (3,0,1,2,4) (4,0,1,2,3)
(3,2,1,1,0) (3,2,1,1,0) (3,2,2,1,0) -6	(3,2,1,0,1) (3,0,1,1,2) (0,1,2,2,3) -6	(0,1,2,4,3) (0,4,2,3,1) (4,2,3,1,0)
	(3,2,1,0,1) (0,1,1,2,3) (1,2,2,3,0) -6	(0,1,2,4,3) $(4,3,1,2,0)$ $(3,1,2,0,4)$
	(3,2,0,1,1) (3,1,0,1,2) (0,1,2,2,3) -6	(0,1,3,4,2) $(0,4,1,3,2)$ $(4,2,3,1,0)$
	(3,2,0,1,1) $(3,0,1,1,2)$ $(0,1,2,3,2)$ $-6$	(0,1,3,4,2) $(0,4,2,3,1)$ $(3,2,4,1,0)$
	(3,2,0,1,1) $(1,2,3,0,1)$ $(0,1,2,2,3)$ $-6$	(0,1,3,4,2) $(2,1,0,4,3)$ $(4,2,3,1,0)$
	(3,2,0,1,1) $(1,0,1,2,3)$ $(1,2,2,3,0)$ $-6$	(0,1,3,4,2) $(4,3,0,2,1)$ $(3,1,2,0,4)$
	(3,2,0,1,1) $(0,1,1,2,3)$ $(2,3,0,1,2)$ $-6$	(0,1,3,4,2) $(4,3,1,2,0)$ $(1,0,4,3,2)$
	(3,2,0,1,1) $(0,1,1,2,3)$ $(1,2,3,2,0)$ $-6$	(0,1,3,4,2) $(4,3,1,2,0)$ $(2,1,3,0,4)$
	(3,1,2,0,1) $(3,0,1,2,1)$ $(0,1,2,2,3)$ $-6$	(0,2,1,4,3) (0,3,2,4,1) (4,2,3,1,0)
	(3,1,2,0,1)(3,0,1,1,2)(0,2,1,2,3) - 6	(0,2,1,4,3) (0,4,2,3,1) (4,1,3,2,0)
	(3,1,2,0,1) (0,1,2,1,3) (1,2,2,3,0) -6	(0,2,1,4,3) $(4,2,1,3,0)$ $(3,1,2,0,4)$
	(3,1,2,0,1) (0,1,1,2,3) (2,1,2,3,0) -6	(0,2,1,4,3) (4,3,1,2,0) (3,0,2,1,4)

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(1,3,2,0,1) (3,0,1,1,2) (2,0,1,2,3) -6 (1,2,0,4,3) (0,4,2,3,1) (4,0,3,2,1)
(1,3,2,0,1) (2,3,0,1,1) (0,1,2,2,3) -6 (1,2,0,4,3) (1,0,3,4,2) (4,2,3,1,0)
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                                        (0,3,2,4,1) (0,4,2,3,1) (2,1,4,3,0)
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(3,0,1,2,1) (1,2,0,1,3) (1,2,2,3,0) - 6
                                         (0,3,2,4,1) (4,1,0,3,2) (3,1,2,0,4)
(3,0,1,2,1) (0,1,1,2,3) (2,3,1,2,0) -6
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(0,1,3,2,1) (3,0,1,1,2) (2,3,0,1,2) -6
(3,1,0,1,2) (3,0,1,1,2) (0,2,2,3,1) - 6
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                                         (0,4,1,3,2) (3,4,1,2,0) (2,0,1,4,3)
(3,1,0,1,2) (2,3,0,1,1) (1,0,2,2,3) -6
                                         (0,4,1,3,2) (1,0,3,4,2) (4,2,3,0,1)
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	(2,3,0,1,1)(0,1,1,2,3)(2,3,1,0,2) - 6	(1,0,3,4,2) $(4,3,1,2,0)$ $(1,0,4,2,3)$
(3,2,1,1,0) (3,2,1,1,0) (3,2,1,1,0) -6	(3,2,1,0,1) (3,0,1,1,2) (0,1,2,3,1) -6	(0,1,2,4,3) $(0,4,2,3,1)$ $(3,2,1,4,0)$
	(3,2,1,0,1) (2,3,0,1,1) (0,1,1,2,3) -6	(0,1,2,4,3) $(1,0,3,4,2)$ $(4,3,1,2,0)$
	(3,2,0,1,1) (3,2,0,1,1) (0,1,1,2,3) -6	(0,1,3,4,2) $(0,1,3,4,2)$ $(4,3,1,2,0)$
	(3,2,0,1,1) (3,1,2,0,1) (0,1,1,2,3) -6	(0,1,3,4,2) $(0,2,1,4,3)$ $(4,3,1,2,0)$
	(3,2,0,1,1) (3,0,1,2,1) (0,1,3,1,2) -6	(0,1,3,4,2) $(0,3,2,4,1)$ $(2,4,1,3,0)$
	(3,2,0,1,1) (3,0,1,2,1) (0,1,2,3,1) -6	(0,1,3,4,2) (0,3,2,4,1) (3,2,1,4,0)
	(3,2,0,1,1) (0,1,3,2,1) (3,0,1,1,2) -6	(0,1,3,4,2) $(2,3,1,4,0)$ $(0,4,2,3,1)$
	(3,2,0,1,1) (3,1,0,1,2) (0,1,2,3,1) -6	(0,1,3,4,2) $(0,4,1,3,2)$ $(3,2,1,4,0)$
	(3,2,0,1,1) (2,3,0,1,1) (0,1,2,1,3) -6	(0,1,3,4,2) $(1,0,3,4,2)$ $(4,2,1,3,0)$
	(3,2,0,1,1) (2,3,0,1,1) (1,0,1,2,3) -6	(0,1,3,4,2) $(1,0,3,4,2)$ $(4,3,0,2,1)$
	(3,2,0,1,1) (1,2,3,0,1) (0,1,2,3,1) -6	(0,1,3,4,2) $(2,1,0,4,3)$ $(3,2,1,4,0)$
	(3,0,2,1,1) (3,0,1,2,1) (0,3,1,1,2) -6	(0,2,3,4,1) $(0,3,2,4,1)$ $(1,4,2,3,0)$
	(3,0,2,1,1) (0,3,1,2,1) (3,0,1,1,2) -6	(0,2,3,4,1) $(1,3,2,4,0)$ $(0,4,2,3,1)$
	(0,3,2,1,1) (3,0,1,2,1) (3,0,1,1,2) - 6	(1,2,3,4,0) (0,3,2,4,1) (0,4,2,3,1)
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	$ \begin{array}{c c} (3,0,1,2,1) & (2,3,0,1,1) & (1,0,2,3,1) & -6 \\ \hline (3,0,1,2,1) & (2,0,1,3,1) & (1,2,3,0,1) & -6 \\ \end{array} $	(0,3,2,4,1) $(1,0,3,4,2)$ $(3,2,0,4,1)$
	$ \begin{array}{c c} (3,0,1,2,1) & (2,0,1,3,1) & (1,2,3,0,1) & -6 \\ \hline (0,1,3,2,1) & (3,1,0,1,2) & (2,3,0,1,1) & -6 \\ \end{array} $	$ \begin{array}{c} (0,3,2,4,1) \ (3,0,2,4,1) \ (2,1,0,4,3) \\ (2,3,1,4,0) \ (0,4,1,3,2) \ (1,0,3,4,2) \end{array} $
	(0,1,3,2,1)(3,1,0,1,2)(2,3,0,1,1) - 0	(2,3,1,4,0) $(0,4,1,3,2)$ $(1,0,3,4,2)$

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