

Number of vertices $n = 5$.

Adjacencies of Graph

1. vertex 1 adjacent to 2 3 4 5
2. vertex 2 adjacent to 1
3. vertex 3 adjacent to 1
4. vertex 4 adjacent to 1
5. vertex 5 adjacent to 1

Size of automorphism group of the graph=24

Full group: $|Aut(polytope)| = 384$

Restricted group: $|Aut(G) \times switch| = 384$

Number of orbits for the full group : 1

List of orbits of facets for the full group:

1. Inequality 1 with incidence 8 and stabilizer of size 48. Orbit size is 8

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