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: Total number of orbits = 1 Total number of facets = 8

1. Inequality 1 with incidence 8 and stabilizer of size 48. Orbit size is 8 nature: edge inequality e=[1, 5]

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