Number of vertices $n = 6$.
Adjacencies of Graph

1. vertex 1 adjacent to 4 5 6

2. vertex 2 adjacent to 4 5 6

3. vertex 3 adjacent to 4 5 6

4. vertex 4 adjacent to 1 2 3

5. vertex 5 adjacent to 1 2 3

6. vertex 6 adjacent to 1 2 3

Size of automorphism group of the graph=72
   Full group: $|Aut(polytope)| = 2304$
   Restricted group: $|Aut(G) \times switch| = 2304$
   Number of orbits for the full group : 2
   List of orbits of facets for the full group: Total number of orbits $= 2$ Total
number of facets $= 90$

1. Inequality 1 with incidence 16 and stabilizer of size 128. Orbit size is
   18

(1,4) : 0	(1,5) : 0	(1,6) : 1	(2,4) : 0	(2,5) : 0	(2,6) : 0
(3,4) : 0	(3,5) : 0	(3,6) : 0			

2. Inequality 2 with incidence 16 and stabilizer of size 32. Orbit size is 72

(1,4) : 0	(1,5) : -1	(1,6) : 1	(2,4) : 0	(2,5) : 1	(2,6) : 1
(3,4) : 0	(3,5) : 0	(3,6) : 0			