

[illegible]
$$= \text{Group}([()]) \cong 1$$

$$= \text{Group}([(1\ 5)(2\ 6)(3\ 7)(4\ 8)]) \cong C2$$
$$= \text{Group}([(1, 5)(2, 6)(3, 7)(4, 8), (1, 3, 5, 7)(2, 4, 6, 8), (1, 2, 3, 4, 5, 6, 7, 8)]) \cong C8$$
$$= \text{Group}([[(1, 2, 3, 4, 5, 6, 7, 8), (9, 10, 11, 12, 13, 14, 15, 16, 17)]]) \cong C72$$
$$= \text{Group}([(1, 2, 3, 4, 5, 6, 7, 8), (9, 10, 11, 12, 13, 14, 15, 16, 17)]) \cong C_{72}$$