## Supplemental material for Math 4130, HW 11

#1: The distinct ways to collapse the Cayley graph of

$$C_4 \rtimes C_4 = \langle \mathbf{a}, \mathbf{b} \mid a^4 = b^4 = abab^{-1} = 1 \rangle$$

and the corresponding relation(s) added, if the result is a group.

