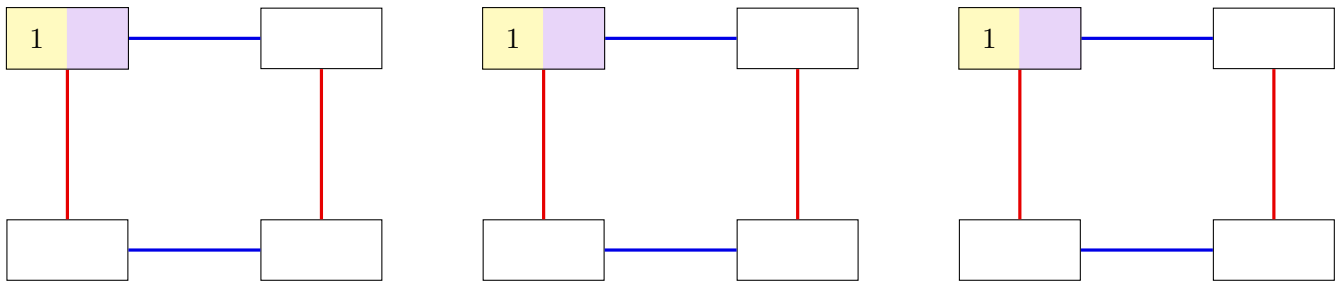
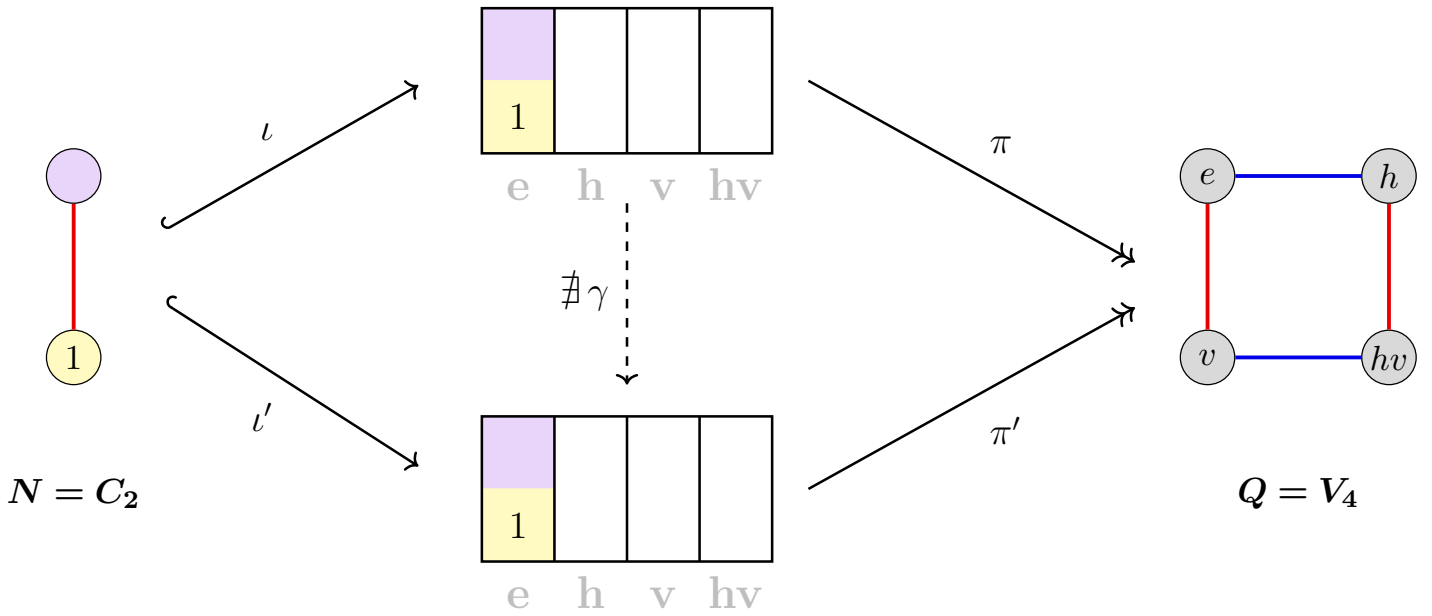


Scratch paper for Math 8510, HW 6

#1(b): Three non-equivalent extensions $C_2 \hookrightarrow G \twoheadrightarrow V_4$.



#1(b): All extensions $C_2 \hookrightarrow G \twoheadrightarrow V_4$ are equivalent, because they differ by some $\gamma \in \text{Aut}(G)$. An example of two are shown below.

