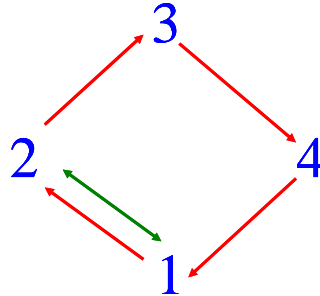


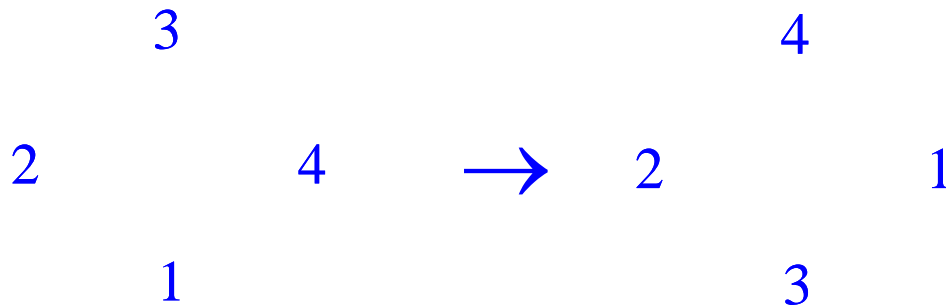
Lesson 6

GENERATOR DIAGRAMS – PRACTICE

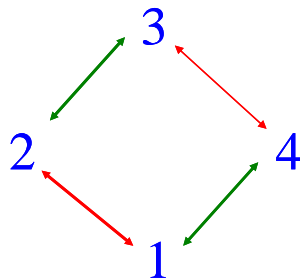
1. Consider the diagram below.



Using the moves $r = (1,2,3,4)$ and $f = (1,2)$, find a combination that converts the original diagram into the configuration that follows it.



2. Find all the elements in the group generated by the moves indicated below, $(1,2)(3,4)$ and $(1,4)(2,3)$. Is this group abelian?



Lesson 6

3. Determine the order of the group created by the following generator diagram.

