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Reading Assignment 17
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In parts (f) and (g) of Activity 27.11 we show that group G has the same presentation as D_p. In doing so, we prove that the group D_p is isomorphic to G. In group G, a plays the role of r in D_p and b^i plays the role of R in D_p. We started the activity with an arbitrary non-Abelian group G with order p where p is an odd prime. We then proved that this group is isomorphic with D_p. In this way, we proved that $G \cong D_p$. Therefore, Theorem 27.5 is valid.