Please provide the products from the given starting materials and reaction conditions. If no reaction occurs, write NR.

$$\rightarrow$$
Br + \frown OH Base

Please provide a mechanism for the following reactions. Your proposed mechanism should account for the observed regionelectivity.

$$+$$
 Br-Br $\xrightarrow{\text{H}_2\text{O}}$ A

Please provide a reasonable stepwise mechanism to account for this transformation.