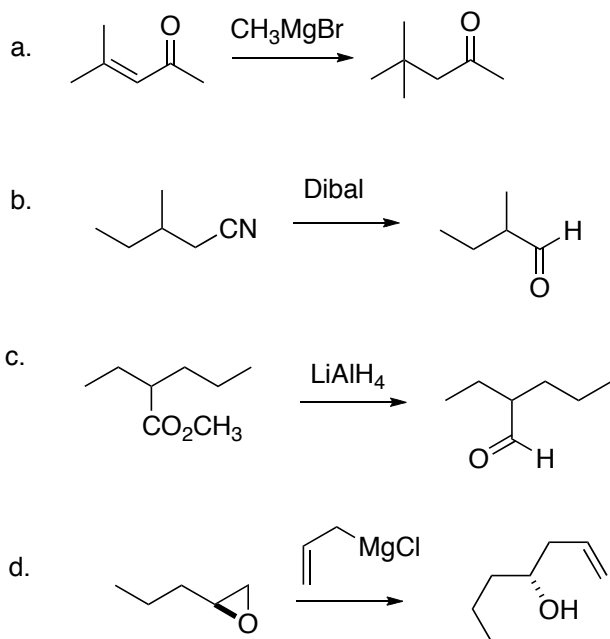


1. (20 points) The following reactions would not proceed as shown. Please draw the expected major product.



3. (10 points) Deduce the structure of **B**, and draw an arrow-pushing mechanism for its formation.

