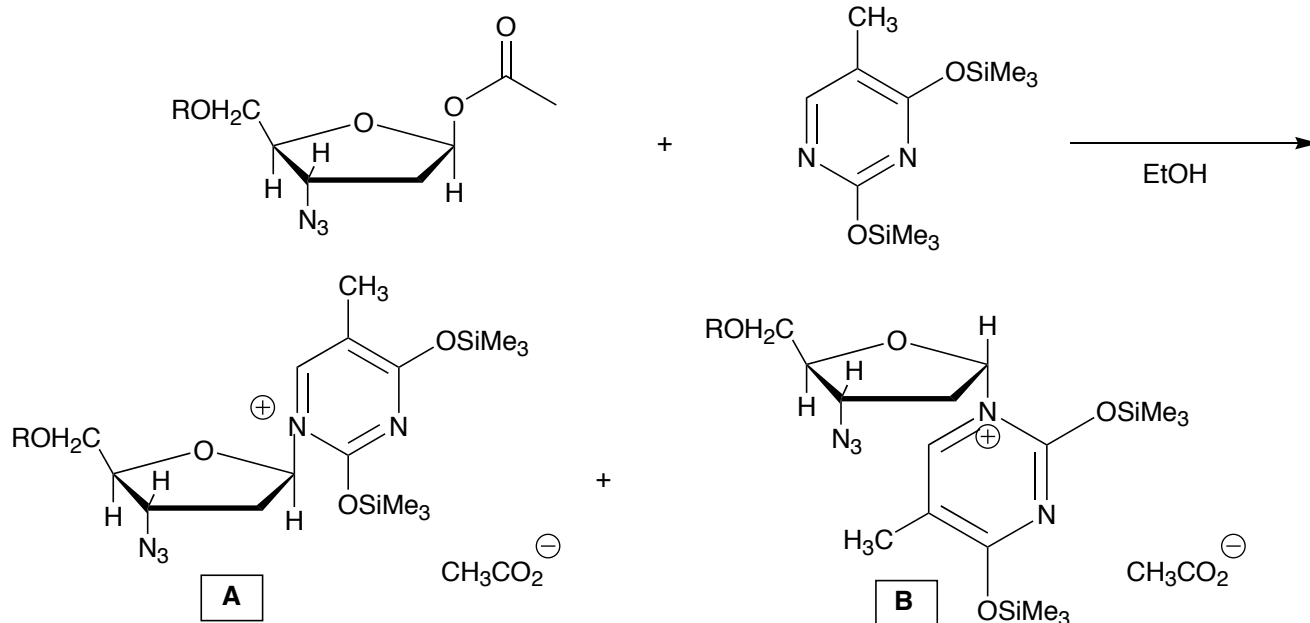


6. (11 pts) The reaction below is part of an AZT synthesis.

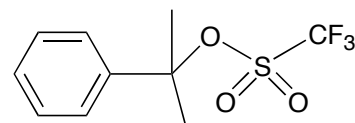
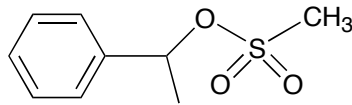
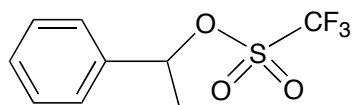


a) (3 pts) How are products **A** and **B** related to each other? ANS.: _____.

b) (3) What type of reaction took place above? Be specific. ANS.: _____.

c) (5) A key intermediate formed in this reaction is stabilized by resonance. Draw the resonance contributors for the intermediate.

7. (10 pts) Rank the compounds below in order of decreasing rate of ionization to form a carbocation (fastest first).



Answer: _____