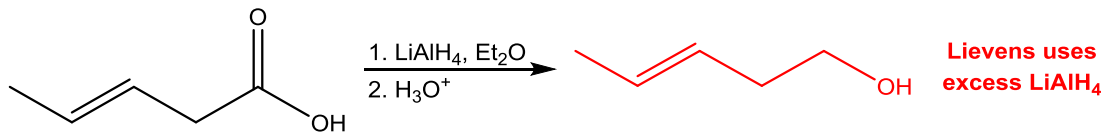
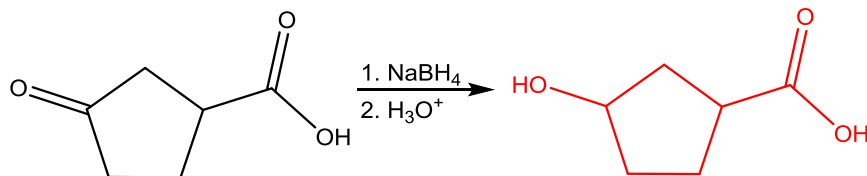


Ex. 1: Predict the major product for the following:

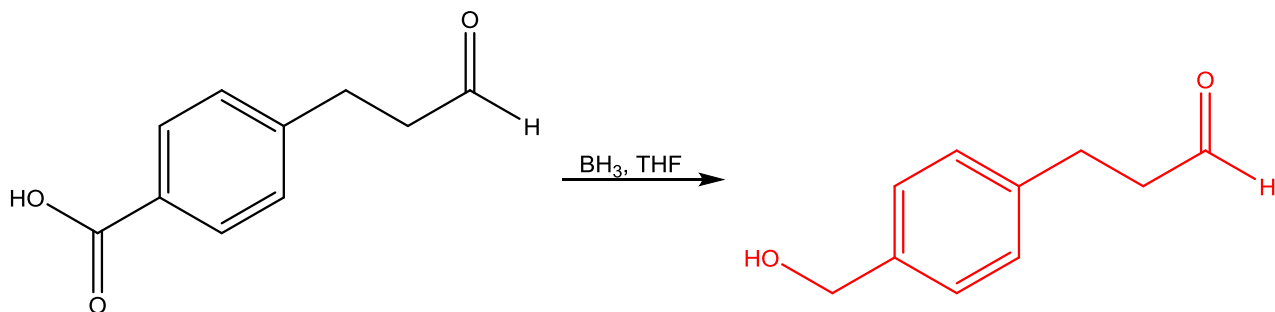
a)



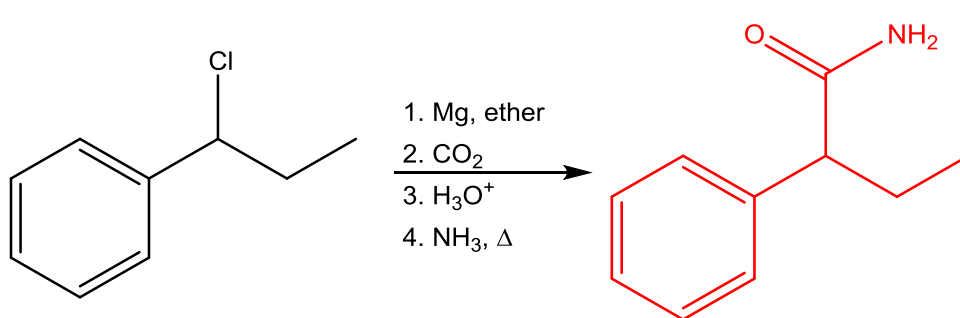
b)



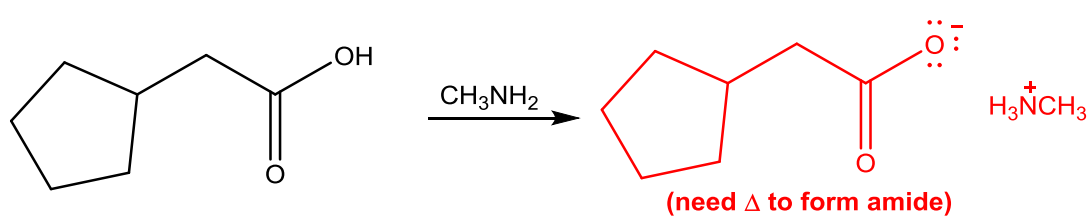
c)



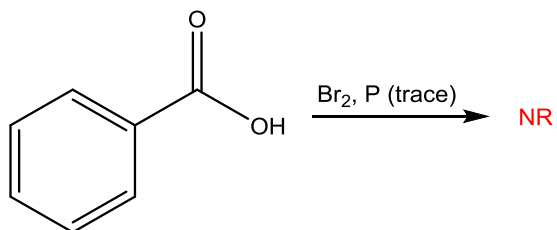
d)



e)

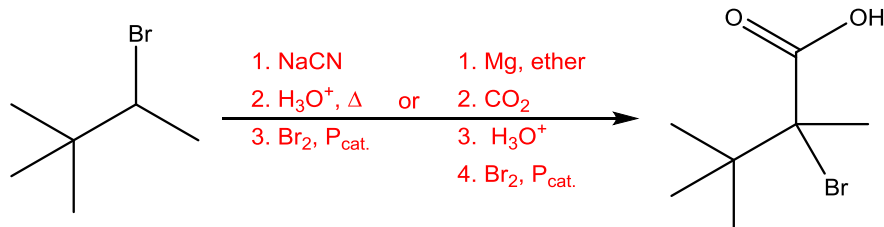


f)

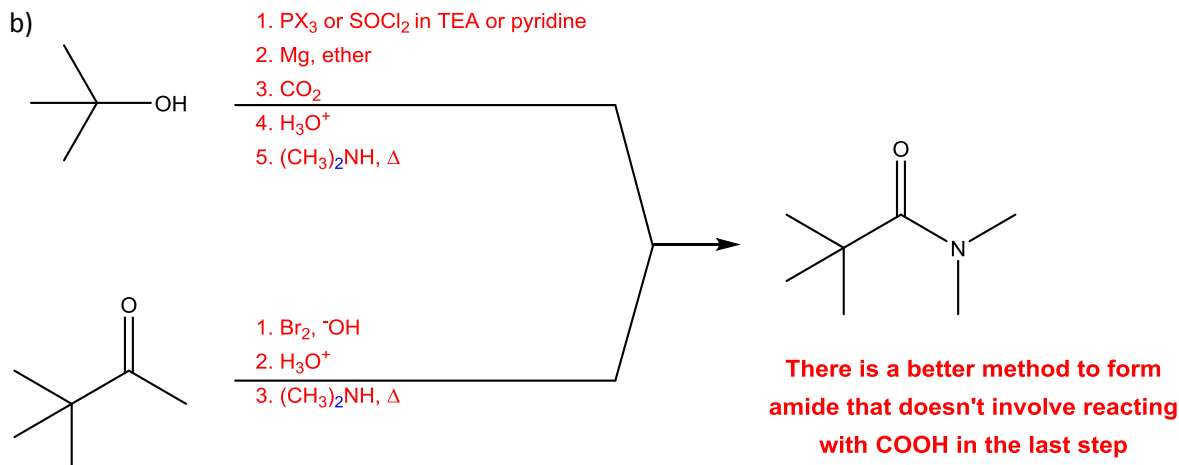


Ex. 2: Propose a synthesis for the following transformation:

a)

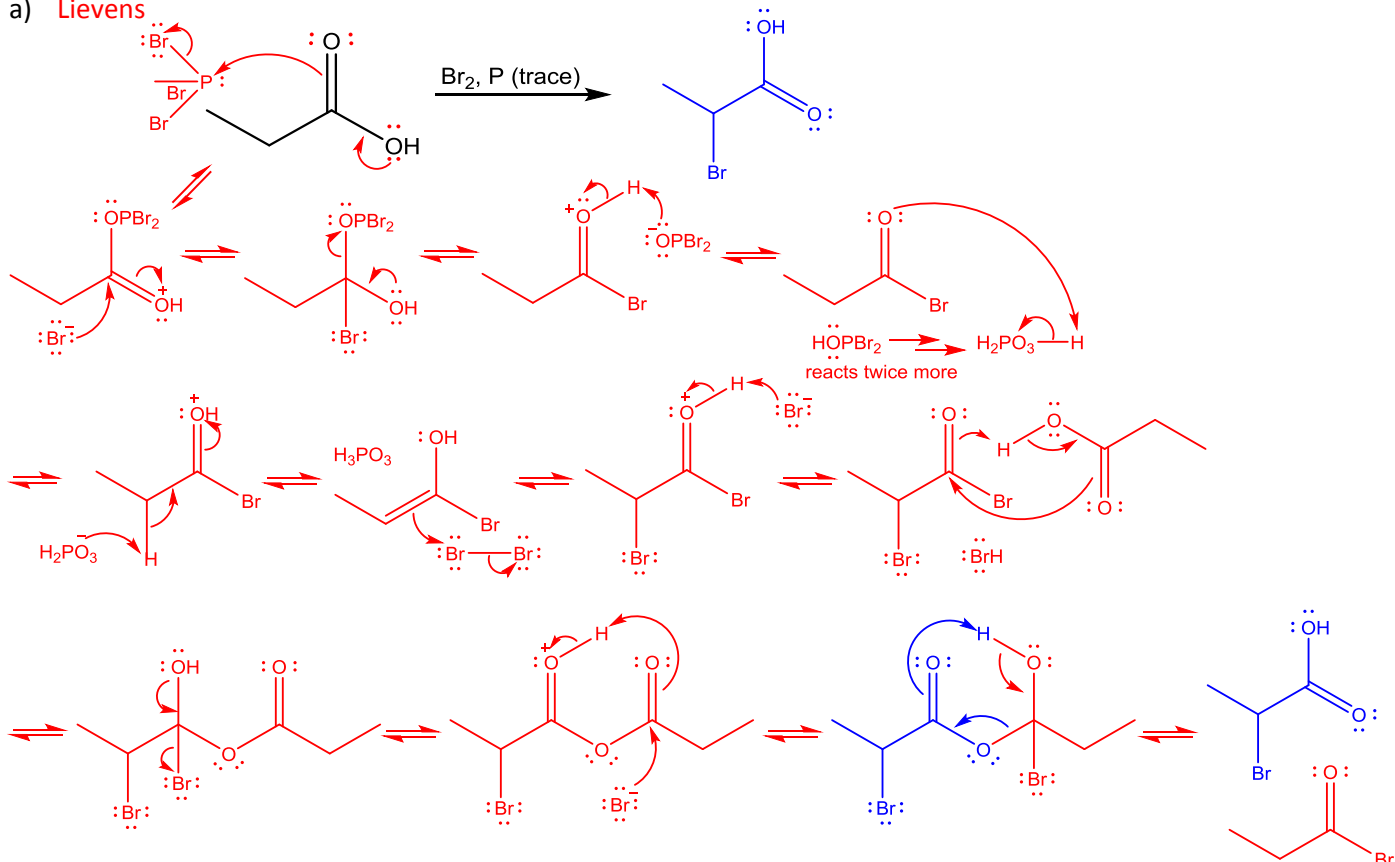


b)

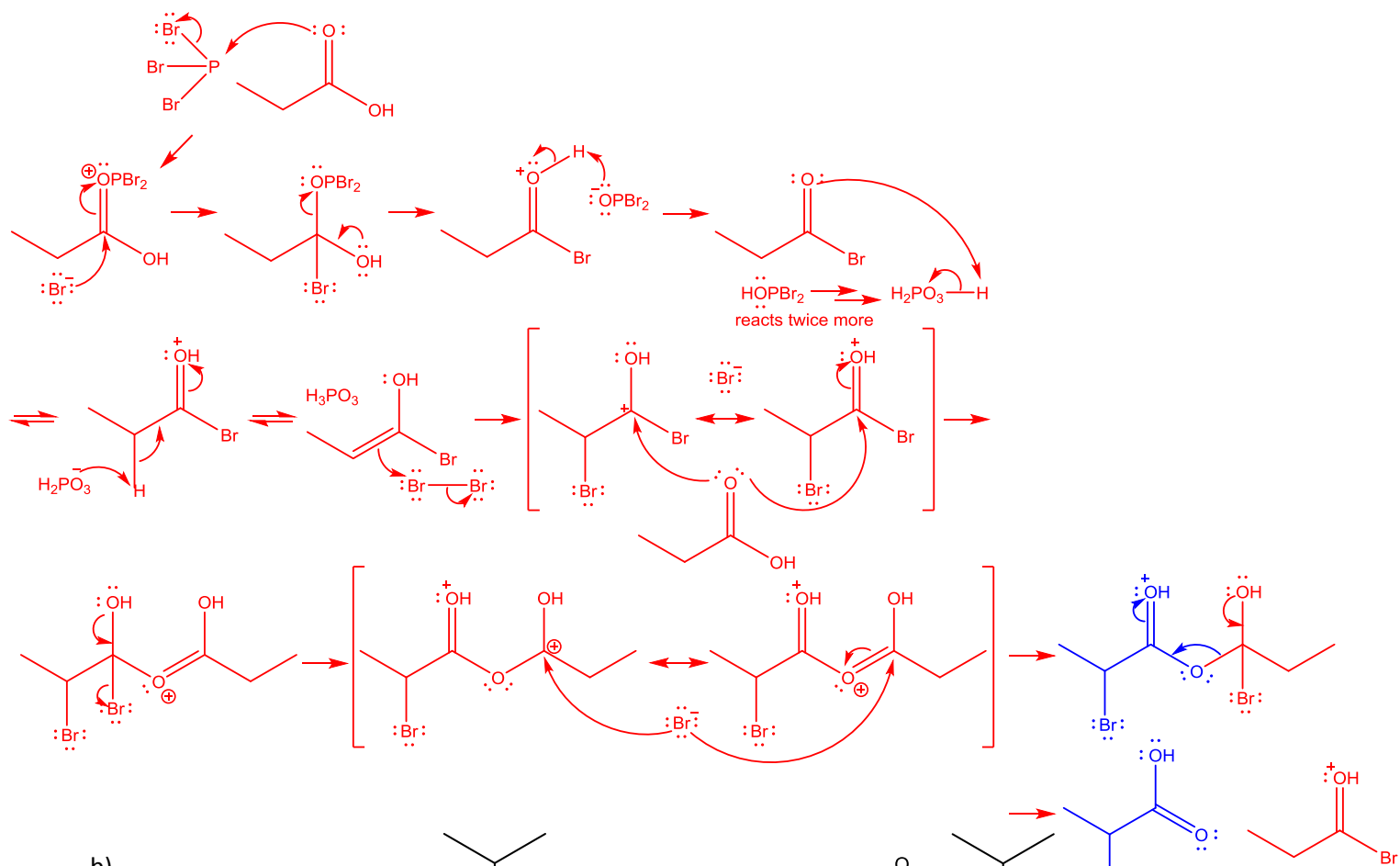


Ex. 3: Predict the product and propose a mechanism for the following transformations:

a) Lievens



Alternate mechanism for Ex. 3a (Nasiri)



b)

