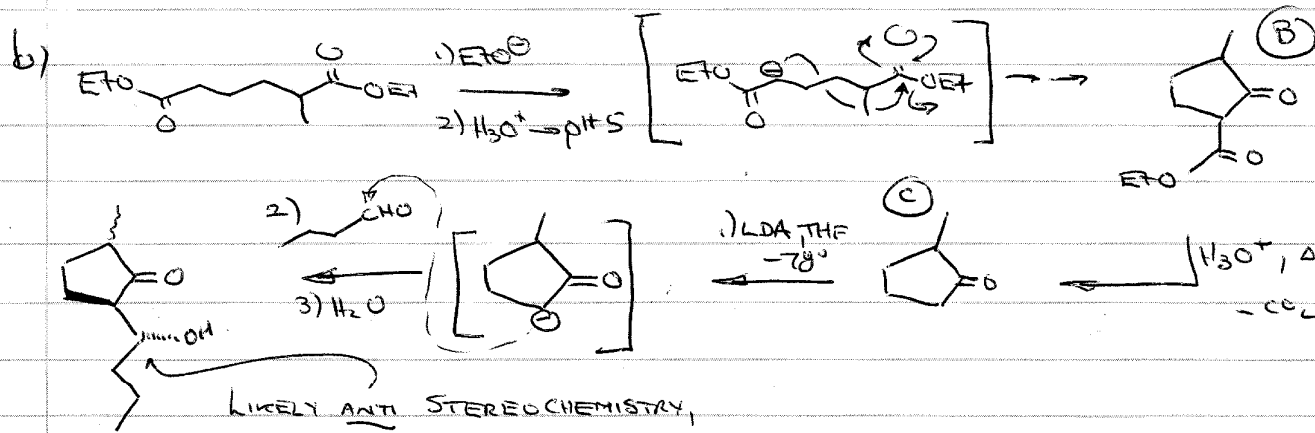
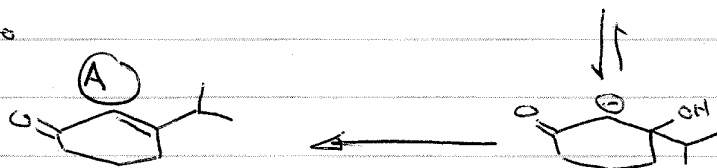
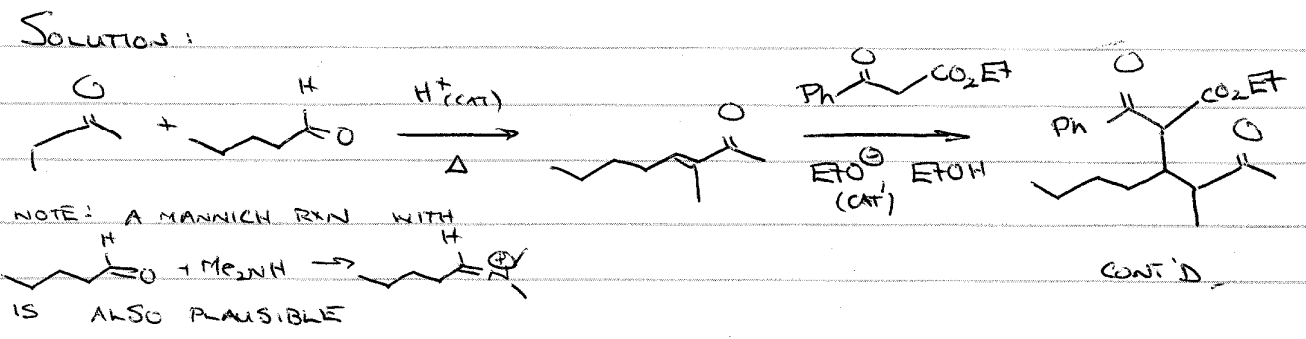
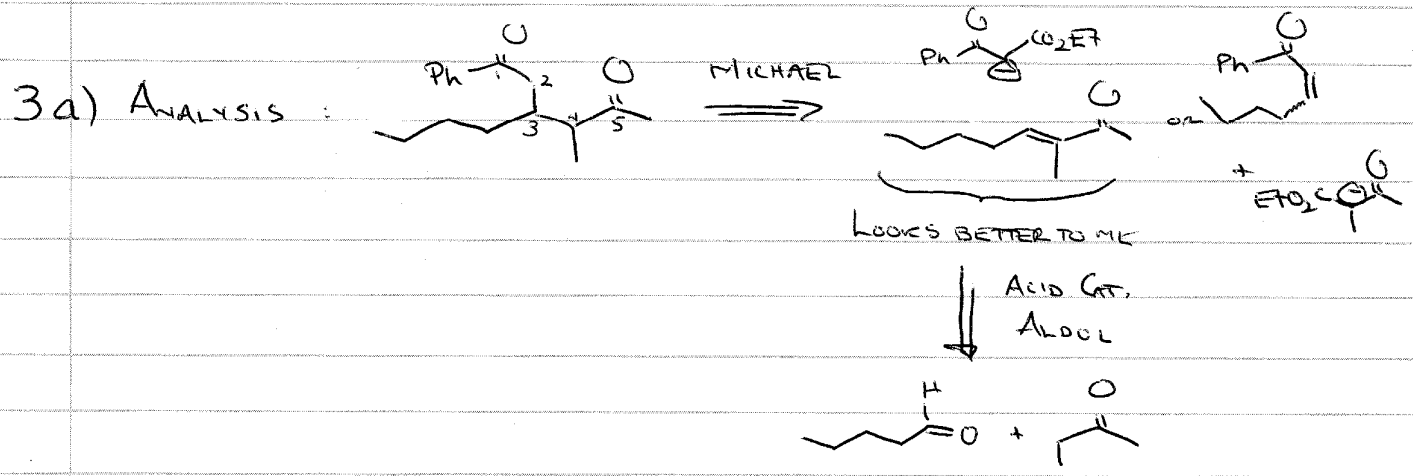
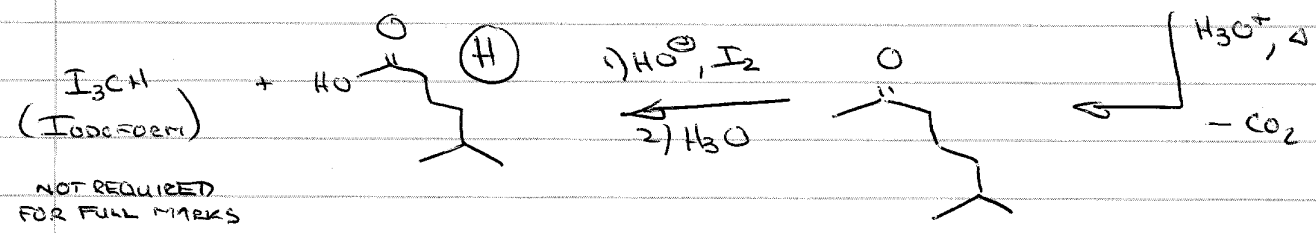
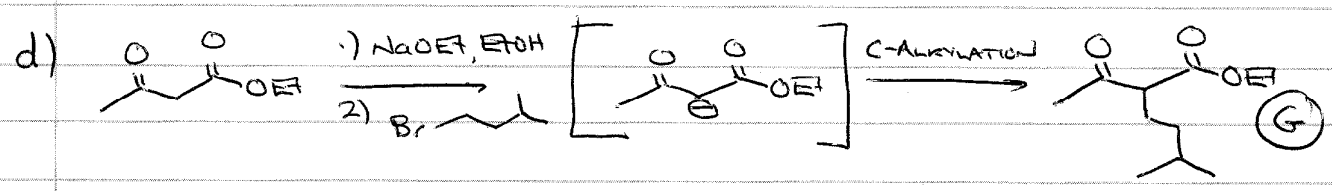
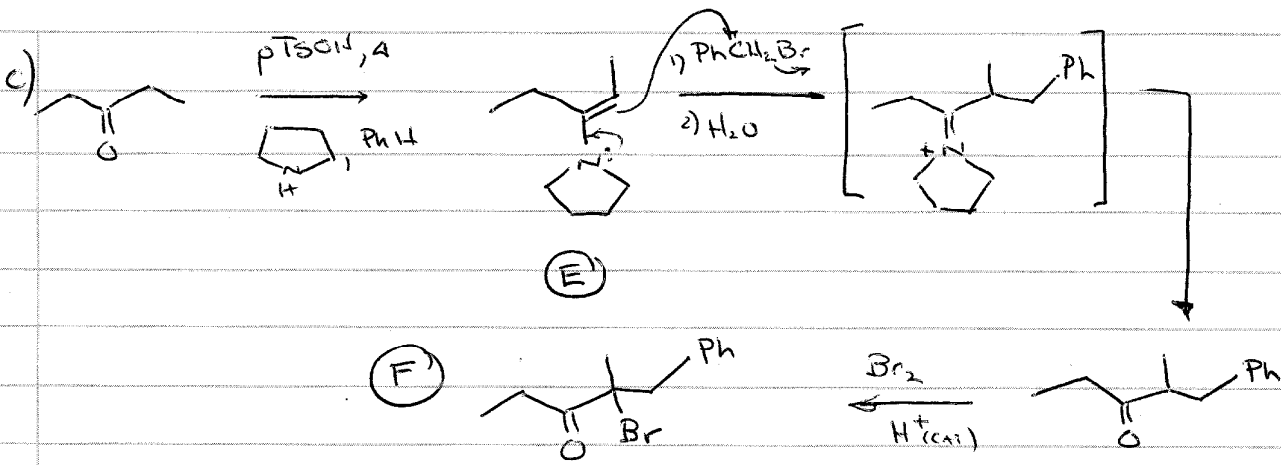


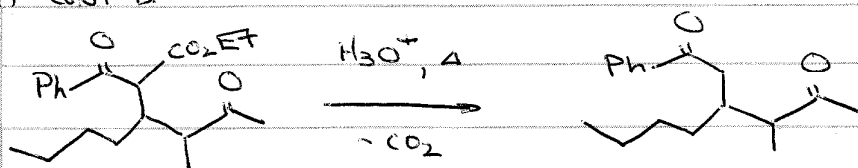
NOTE: I MADE NO ATTEMPT TO
SHOW A COMPLETE
MECHANISM HERE



LIKELY ANTI STEREOCHEMISTRY,
AS ENOLATE MUST BE (E)-

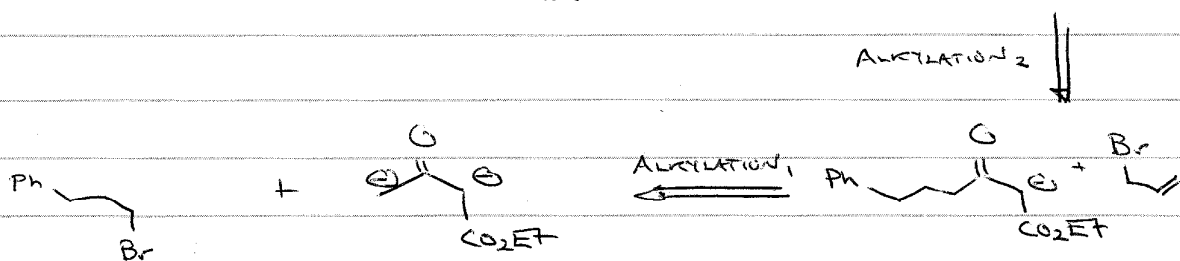
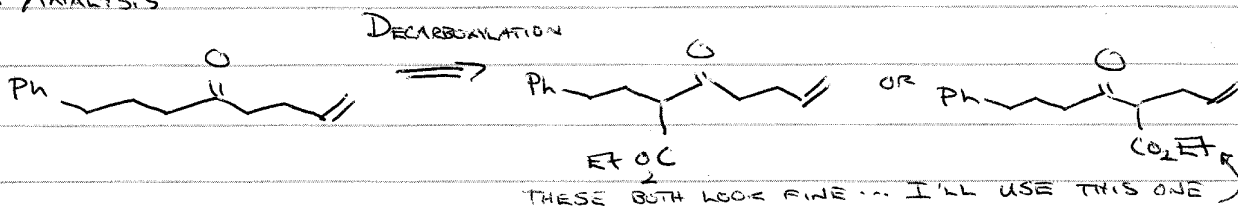


3c) CONT'D

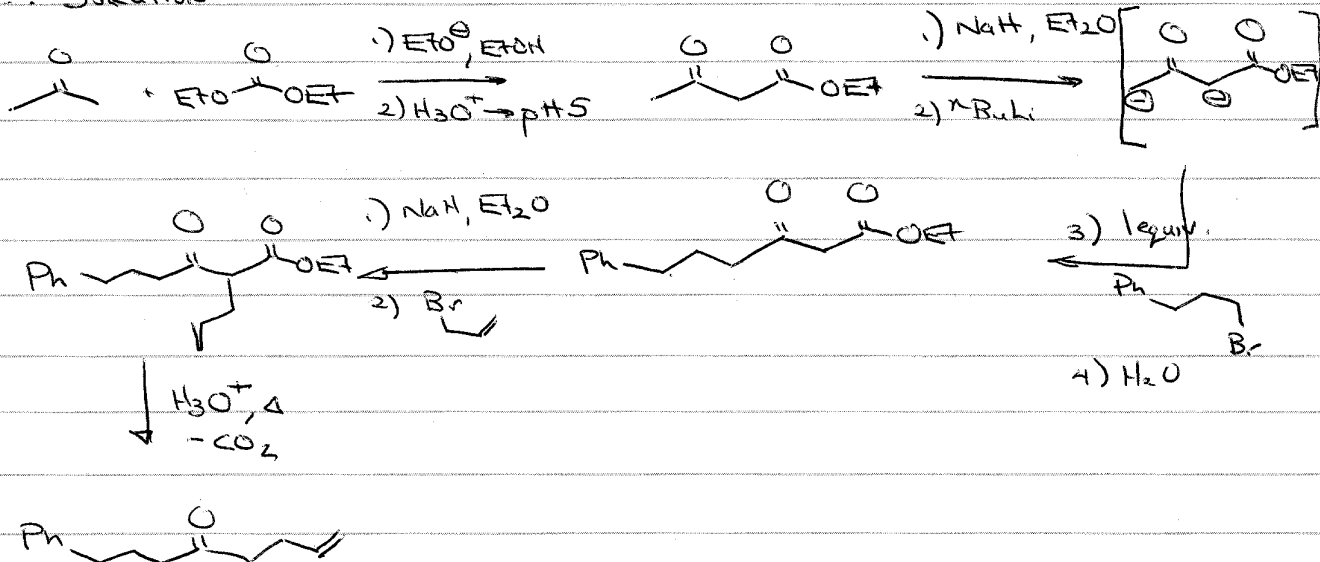


b) IF POLYALKYLATION IS A PROBLEM, LOOKING AT THE β -KETO ESTER ROUTE IS LIKELY THE FIRST CHOICE

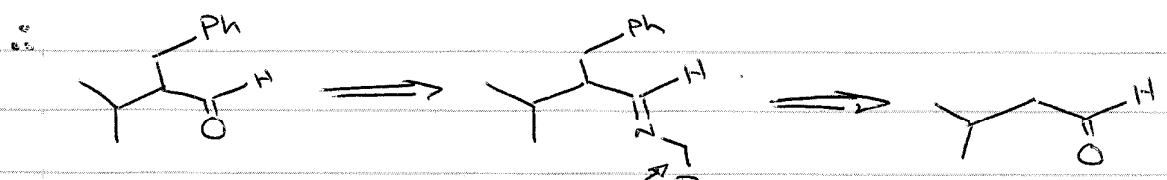
\therefore ANALYSIS



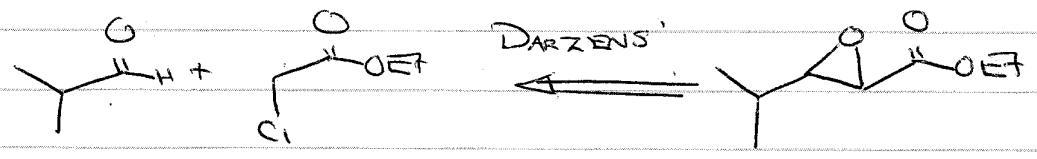
\therefore SOLUTION



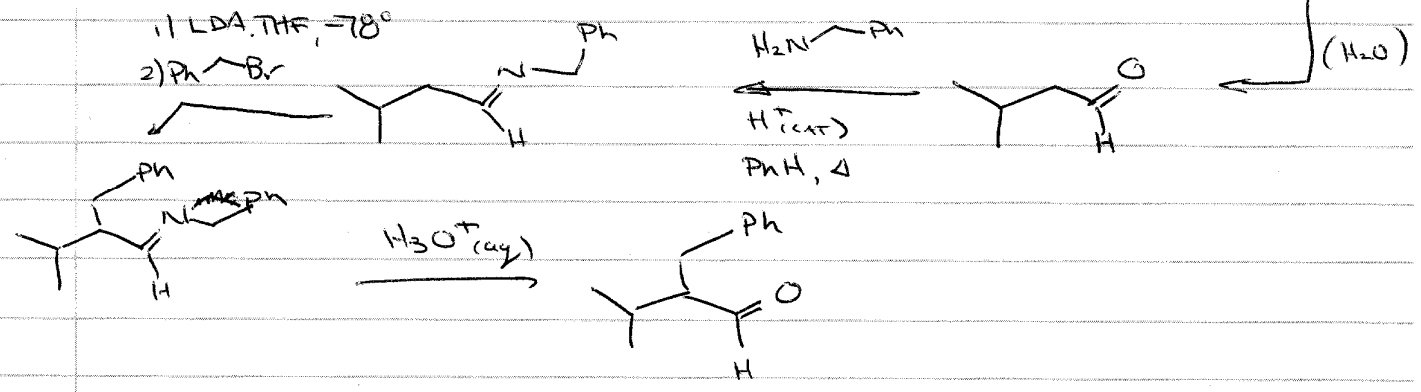
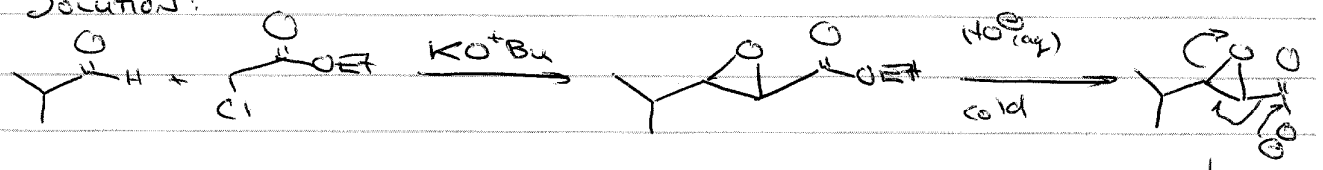
c) ANALYSIS - AN ALDEHYDE ALKYLATION IS NEEDED, AND IMINES ARE THE BEST ROUTE TO THAT
 - WE ALSO NEED TO EXTEND ALDEHYDE BY 1 CARBON - DARZENS'



OTHER ALTERNATIVES POSSIBLE
I JUST LIKE BENZYL



SOLUTION:



BONUS: THIS IS A FAVORSKII REARRANGEMENT, WHICH FEATURES DEPROTONATION AT THE "WRONG" SIDE, AND THE INTERMEDIACY OF A STRAINED RING, WHICH WANTS TO RE-OPEN, EVEN IF THE RESULTING ANION LOOKS BAD.

