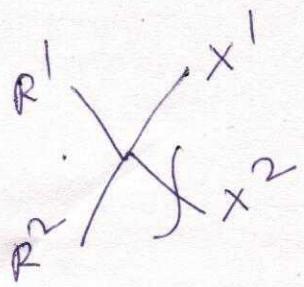
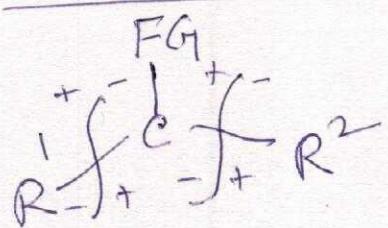
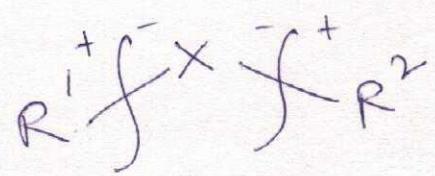
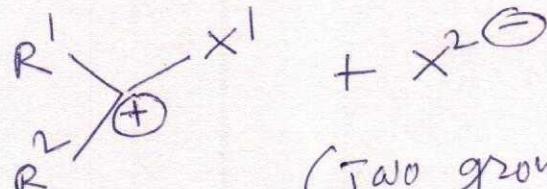


One group C-C disconnections:

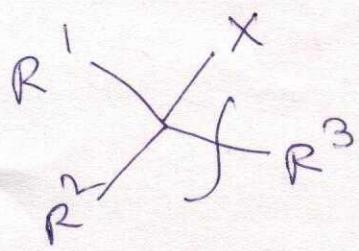
(31)



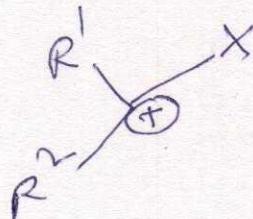
1,1 dix



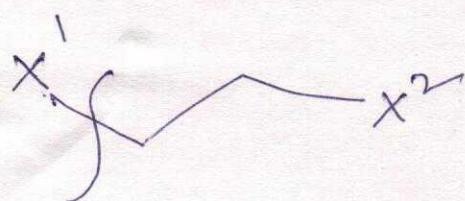
(Two group
disⁿ)



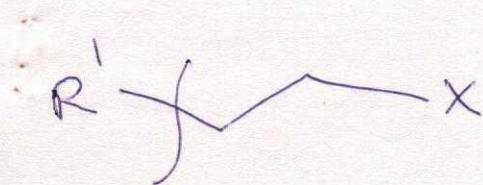
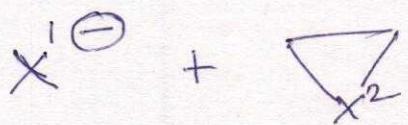
~~1,1~~
1,1
C-C



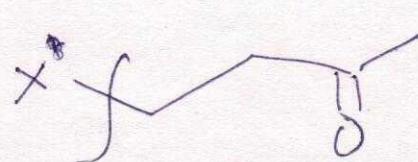
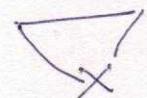
(One group
disⁿ)



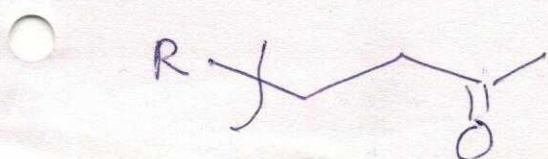
1,2 dix



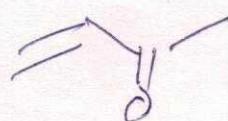
1,2
C-C



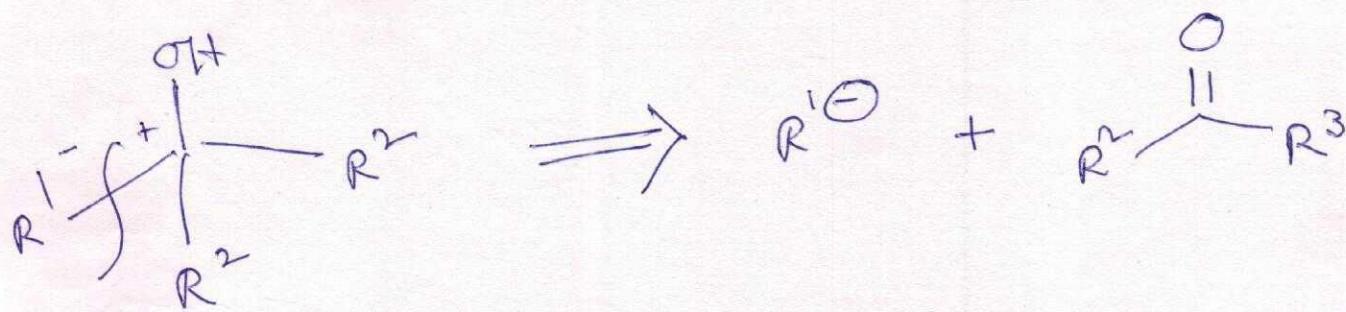
1,3 dix



1,3
C-C

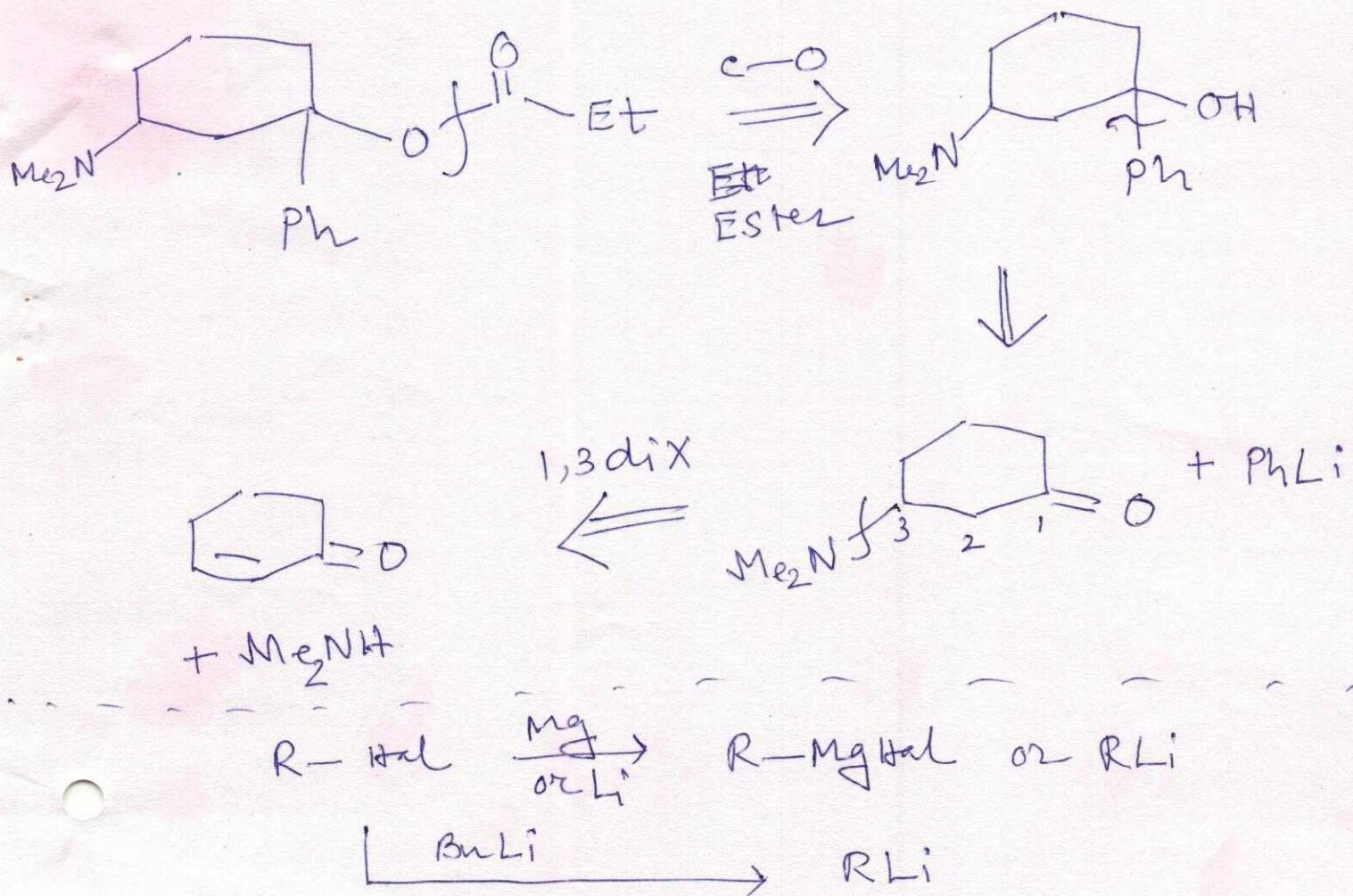


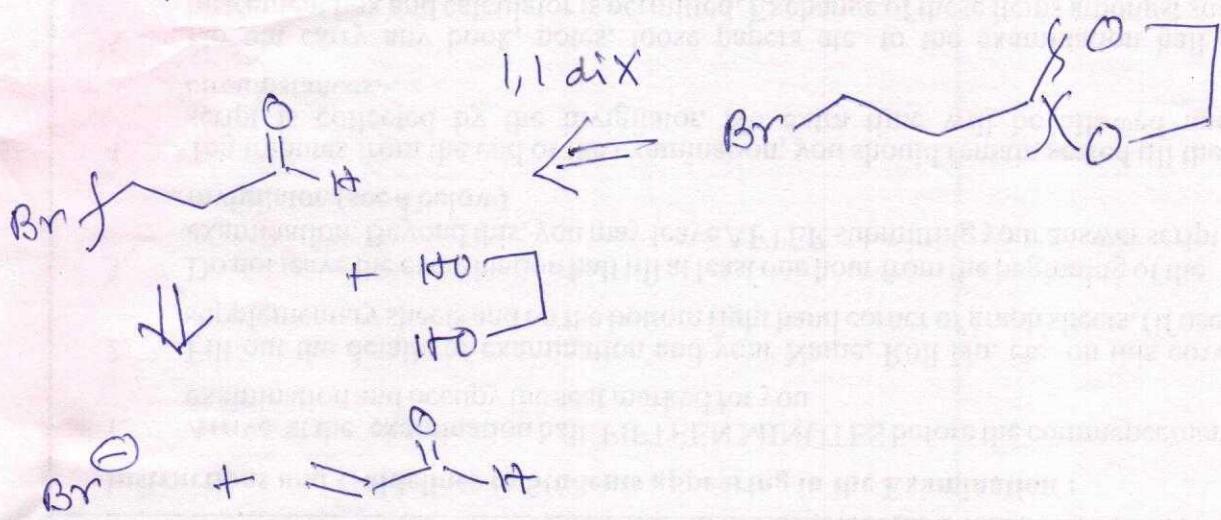
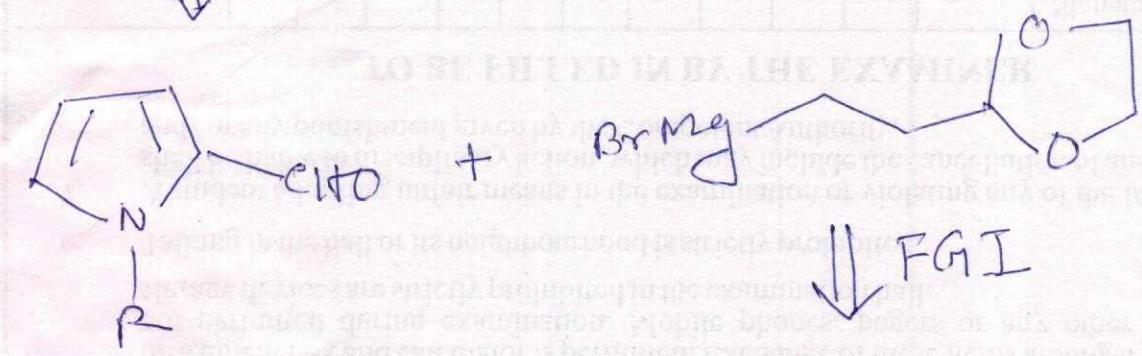
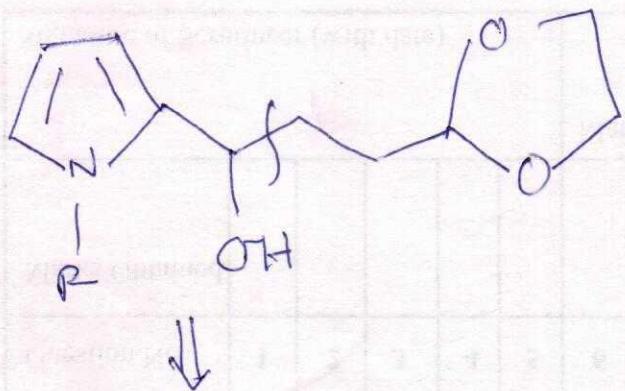
1,1 e-e disconnections for the synthesis
of Alcohols :



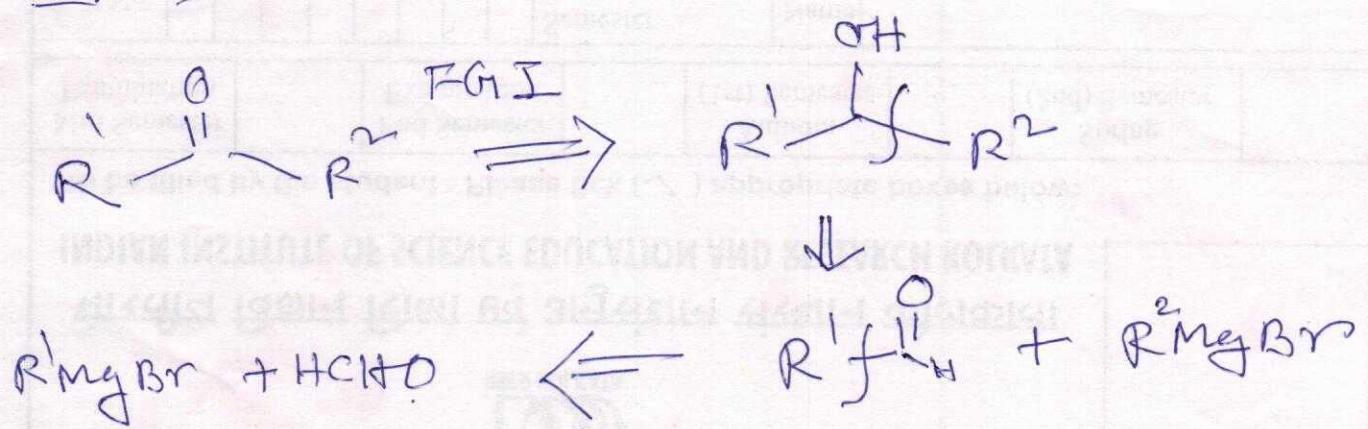
\Rightarrow Availability of the SM dictates the choice of e-C disconnection.

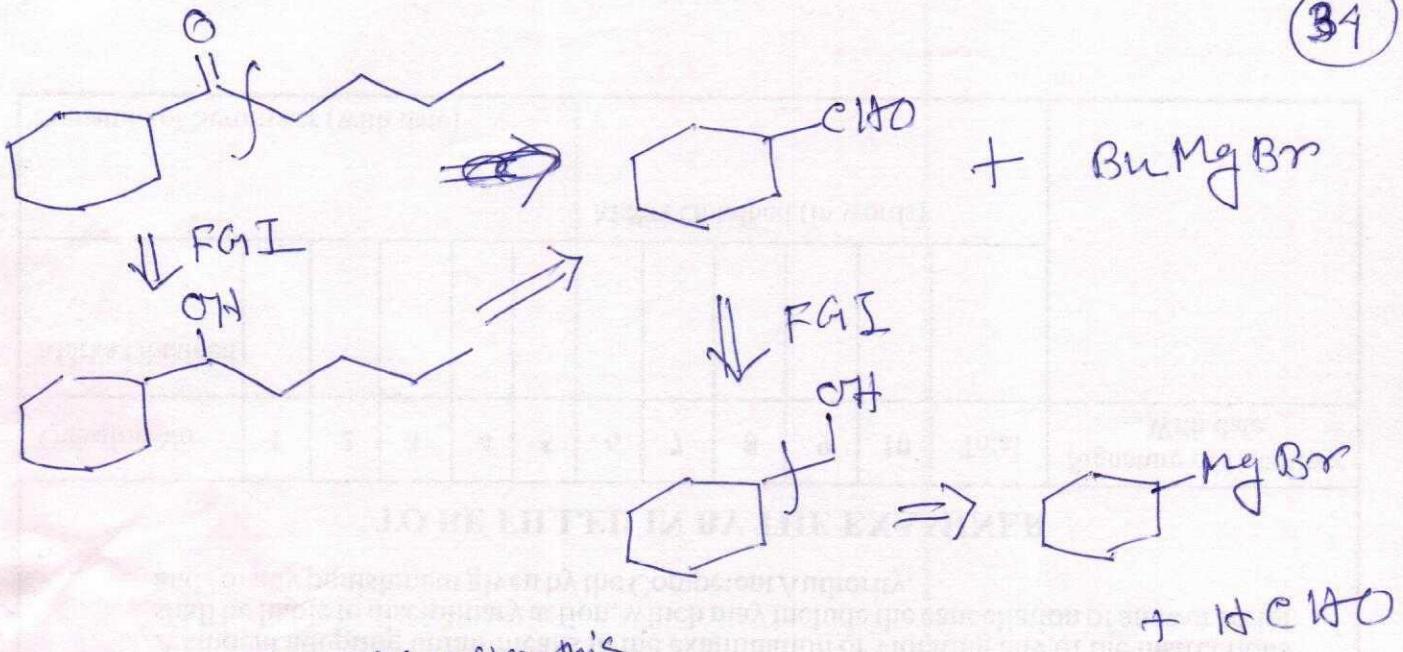
\Rightarrow In case of ring vs branching, generally disconnect the branching



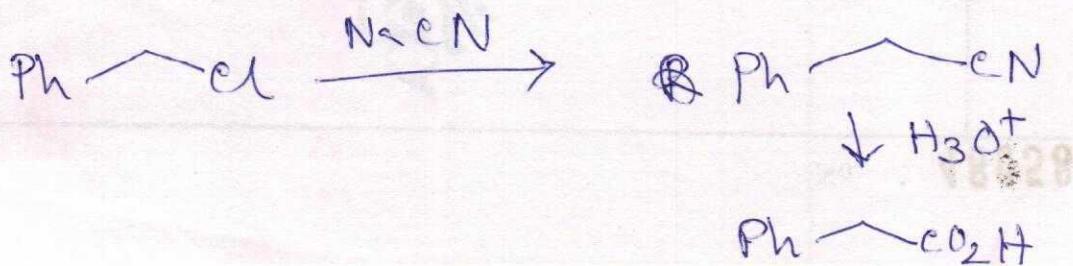
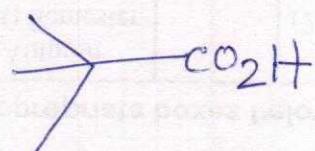
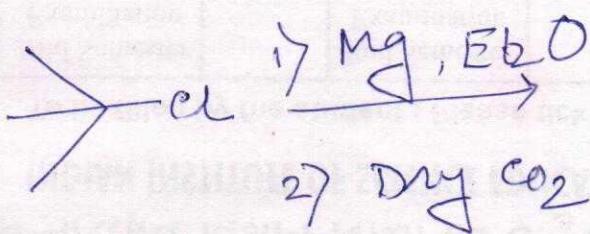
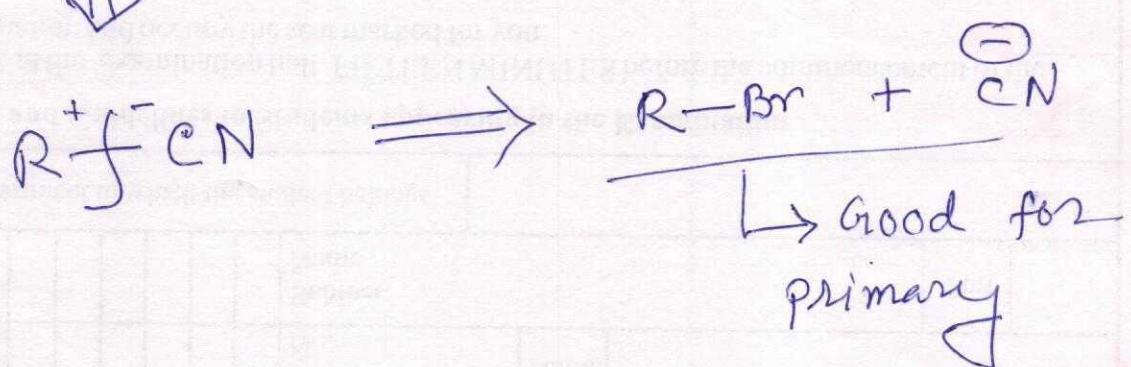
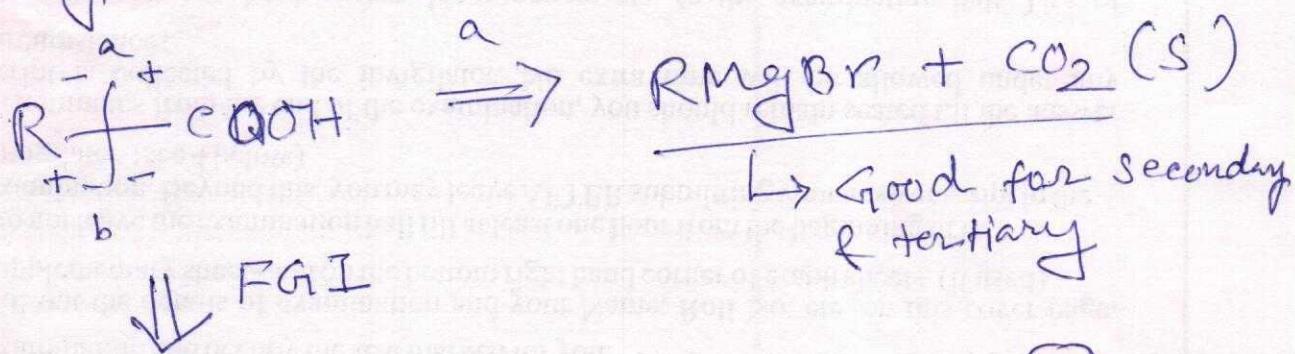


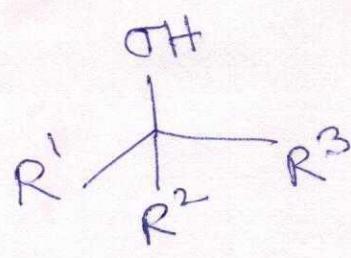
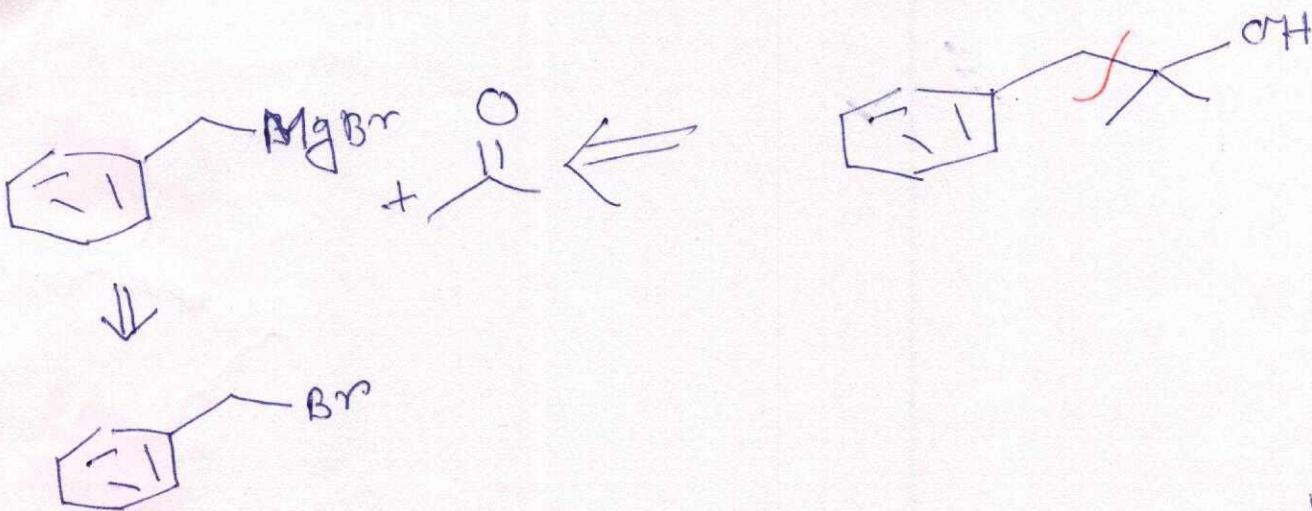
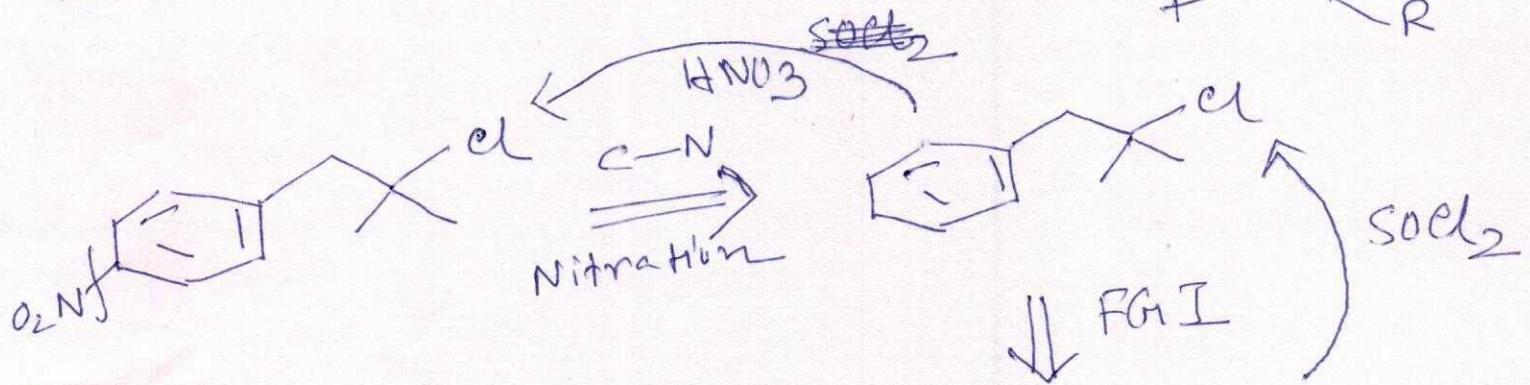
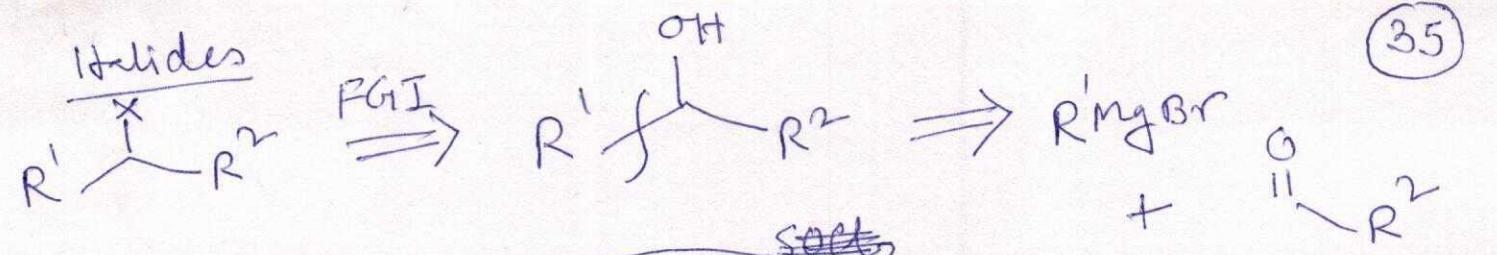
Synthesis of carbonyl:



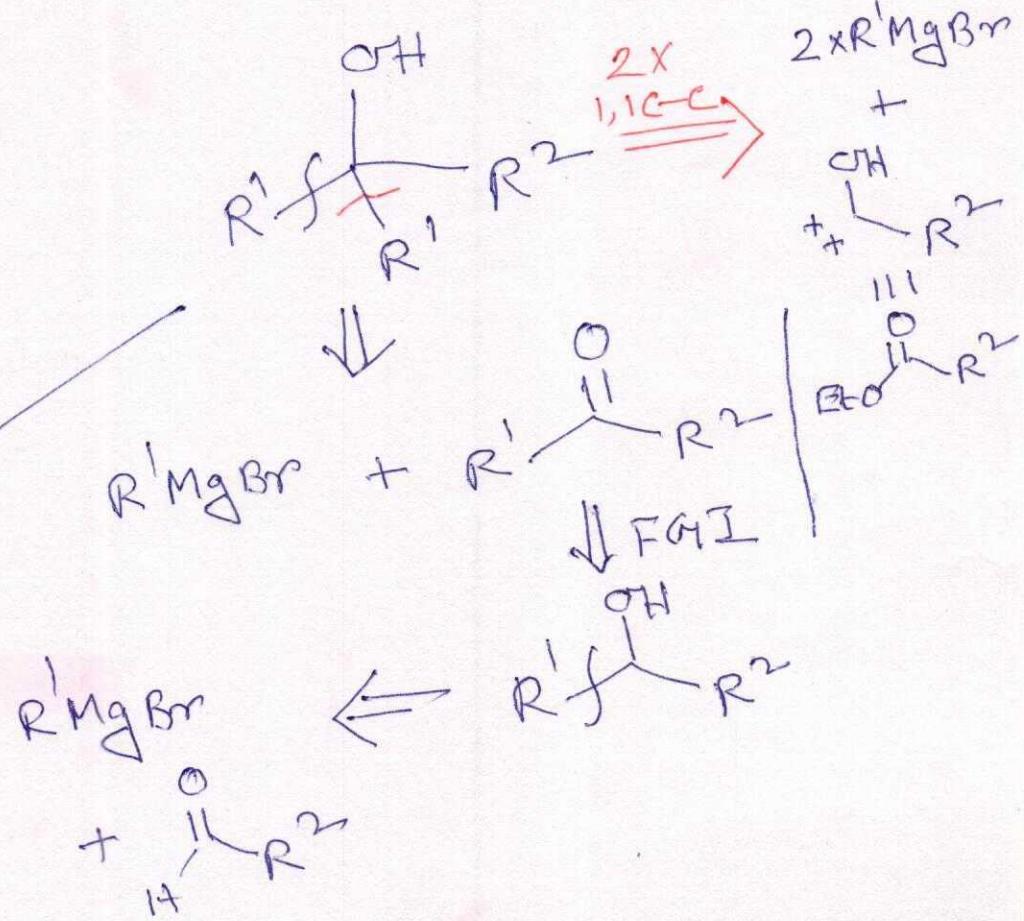


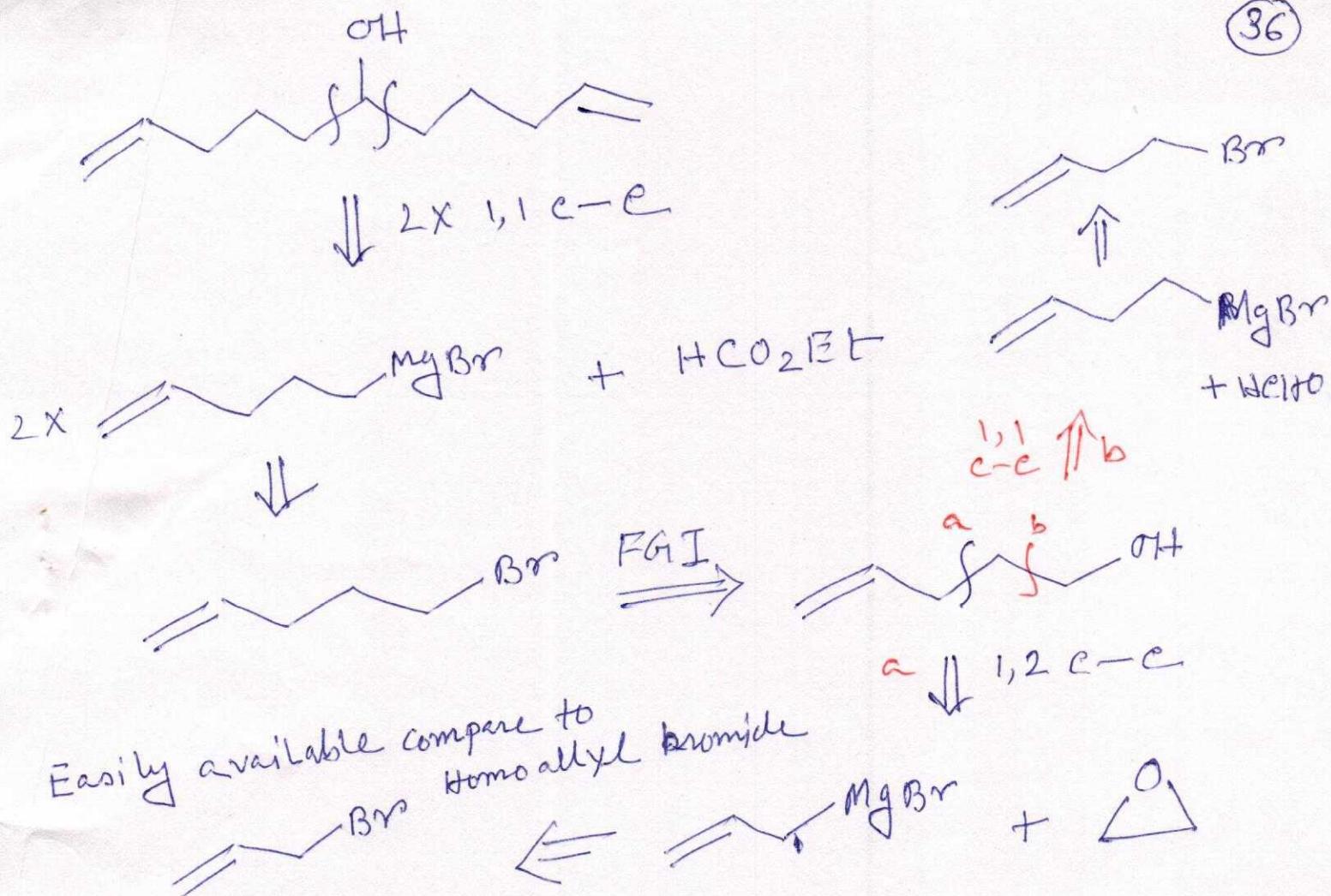
Carboxylic acid:





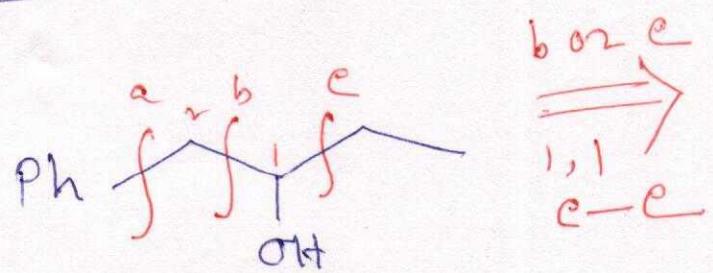
When
 $R^2 = H$
use HCO_2Et





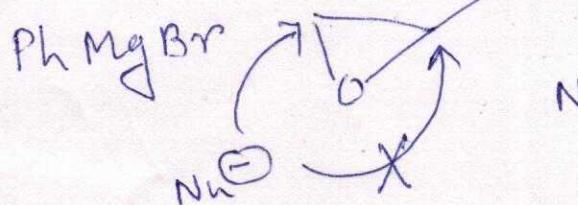
Easily available compare to
Homoallyl bromide

1,2 c-e disconnections : The synthesis of alcohols



$a \downarrow 1,2 \text{ c-e}$

$2 \times \text{c-O}$



Nucleophilic attack takes place at the less substituted position