

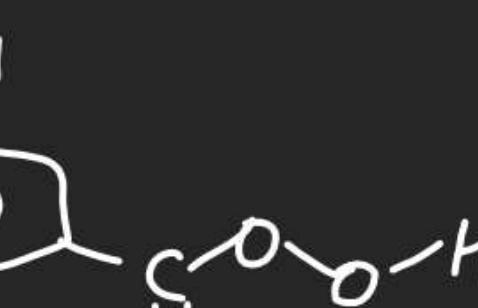
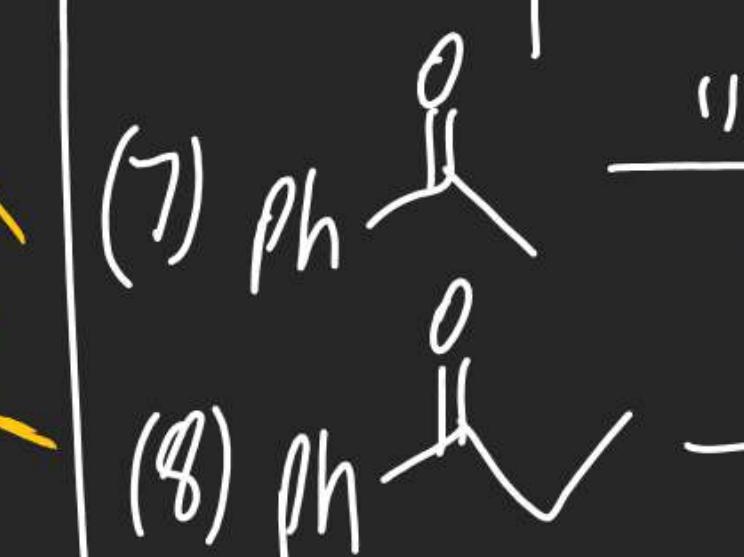
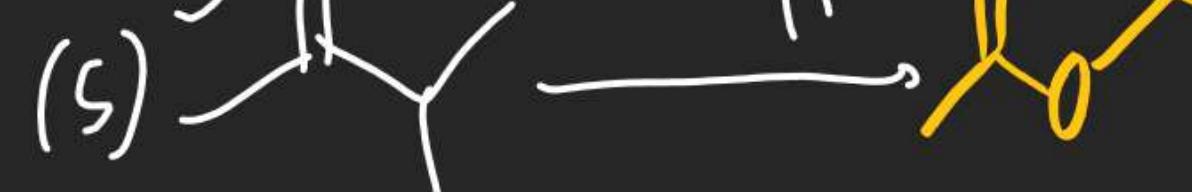
Note (i) migratory aptitude under  $R'-C(=O)-ONa$

$-I > 3^\circ > 2^\circ > Ar > 1^\circ > m$

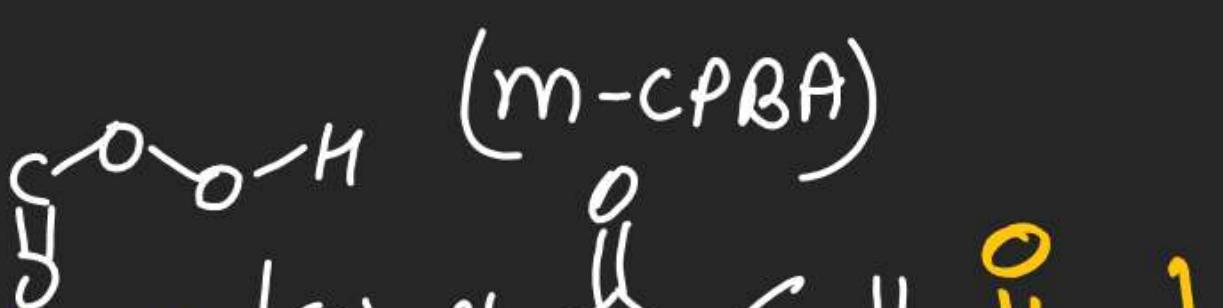
(ii) per Acid

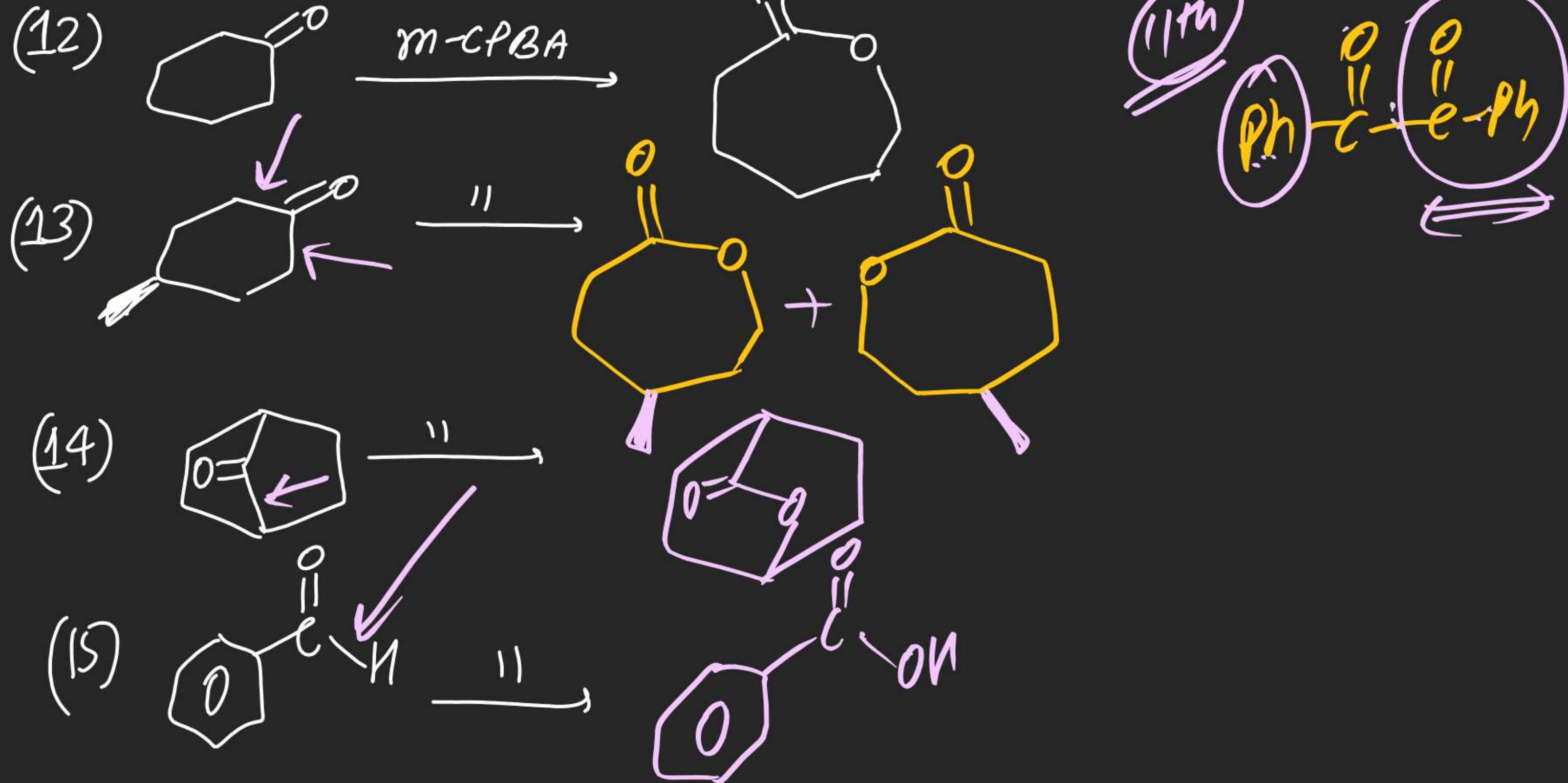


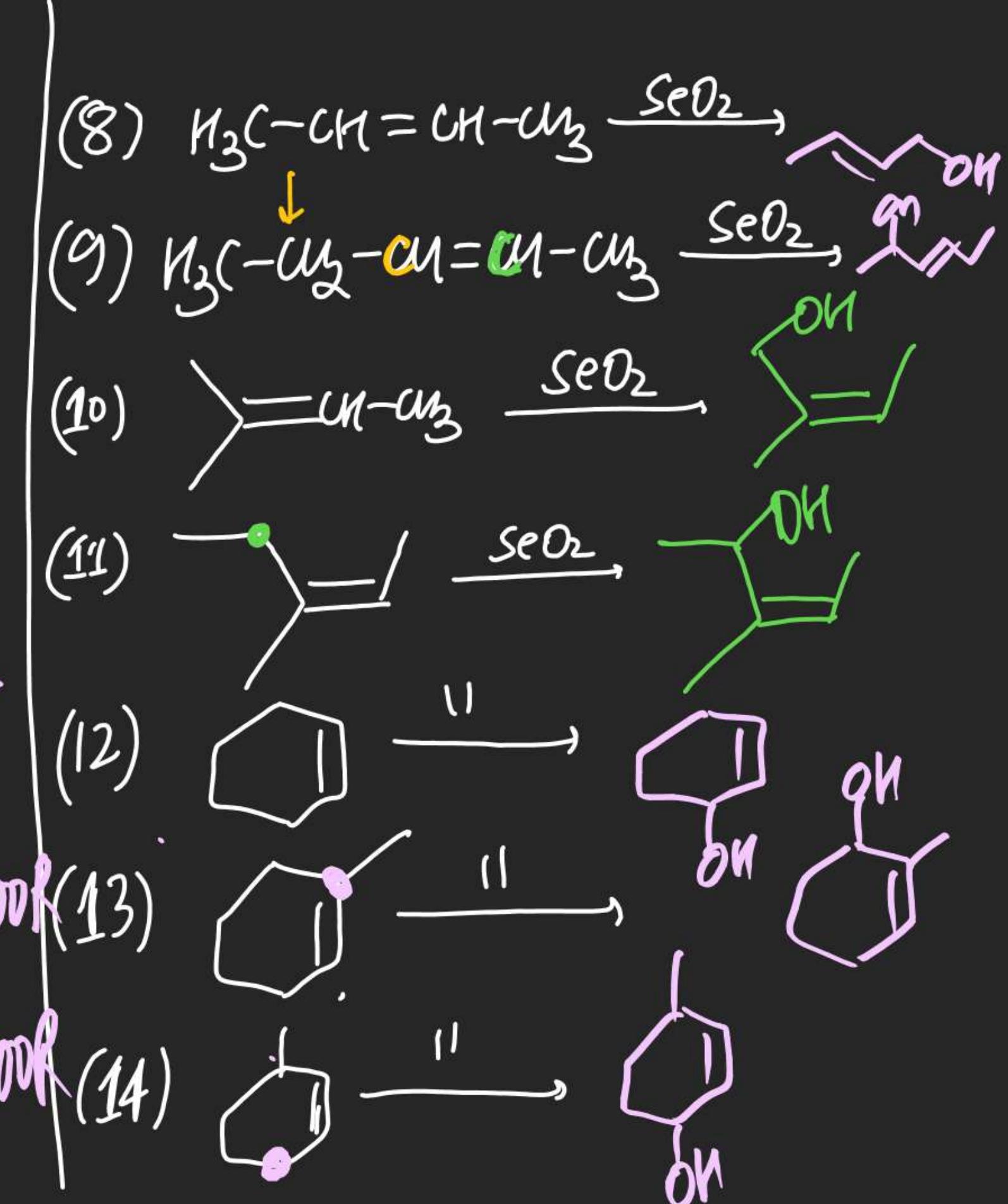
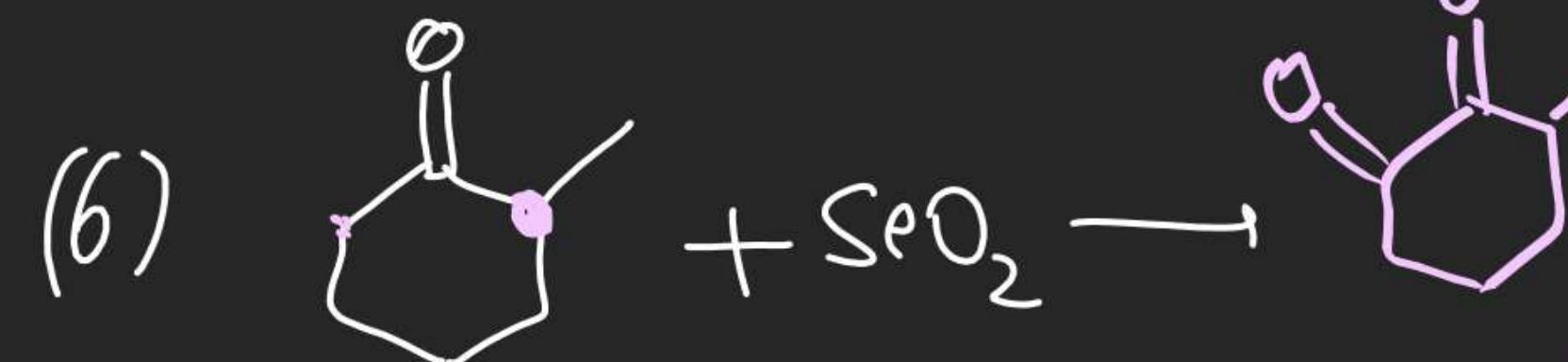
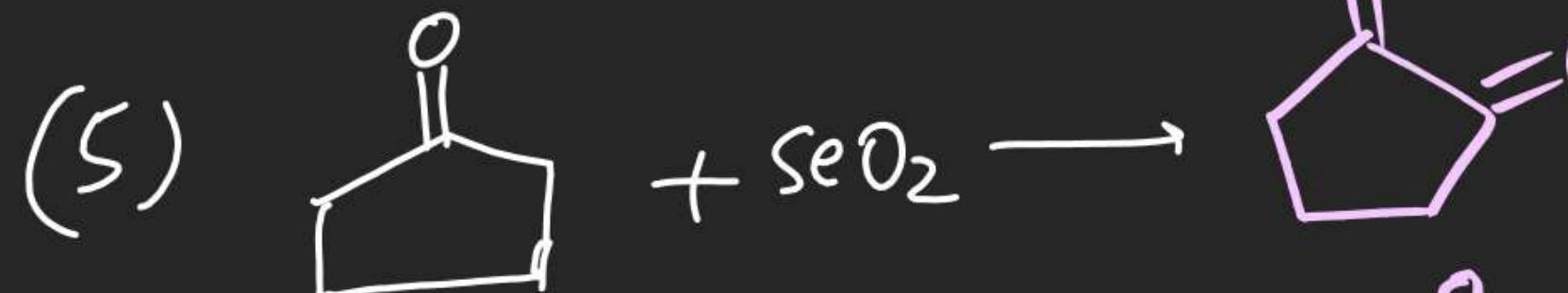
(m-CPBA)



(m-CPBA)

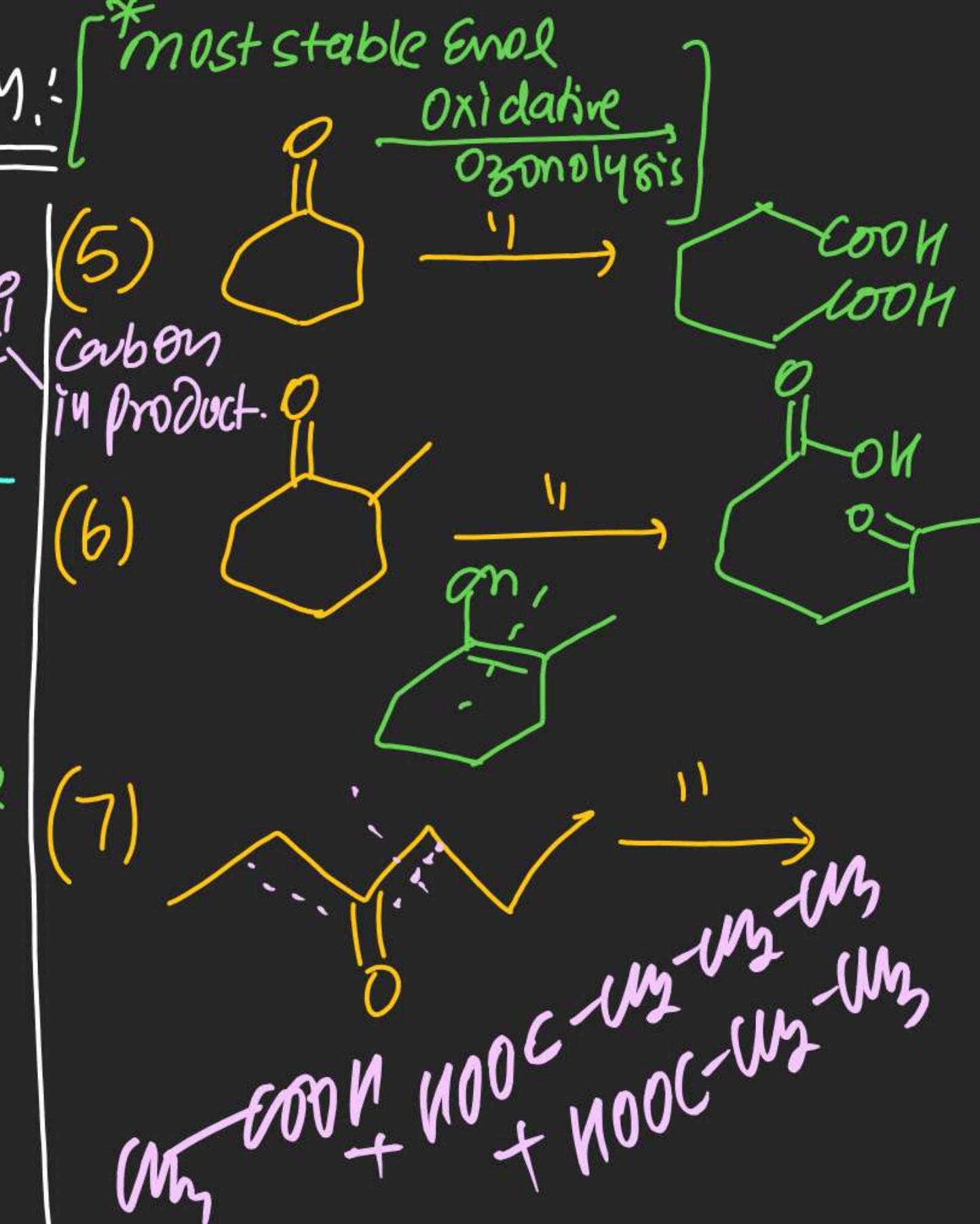
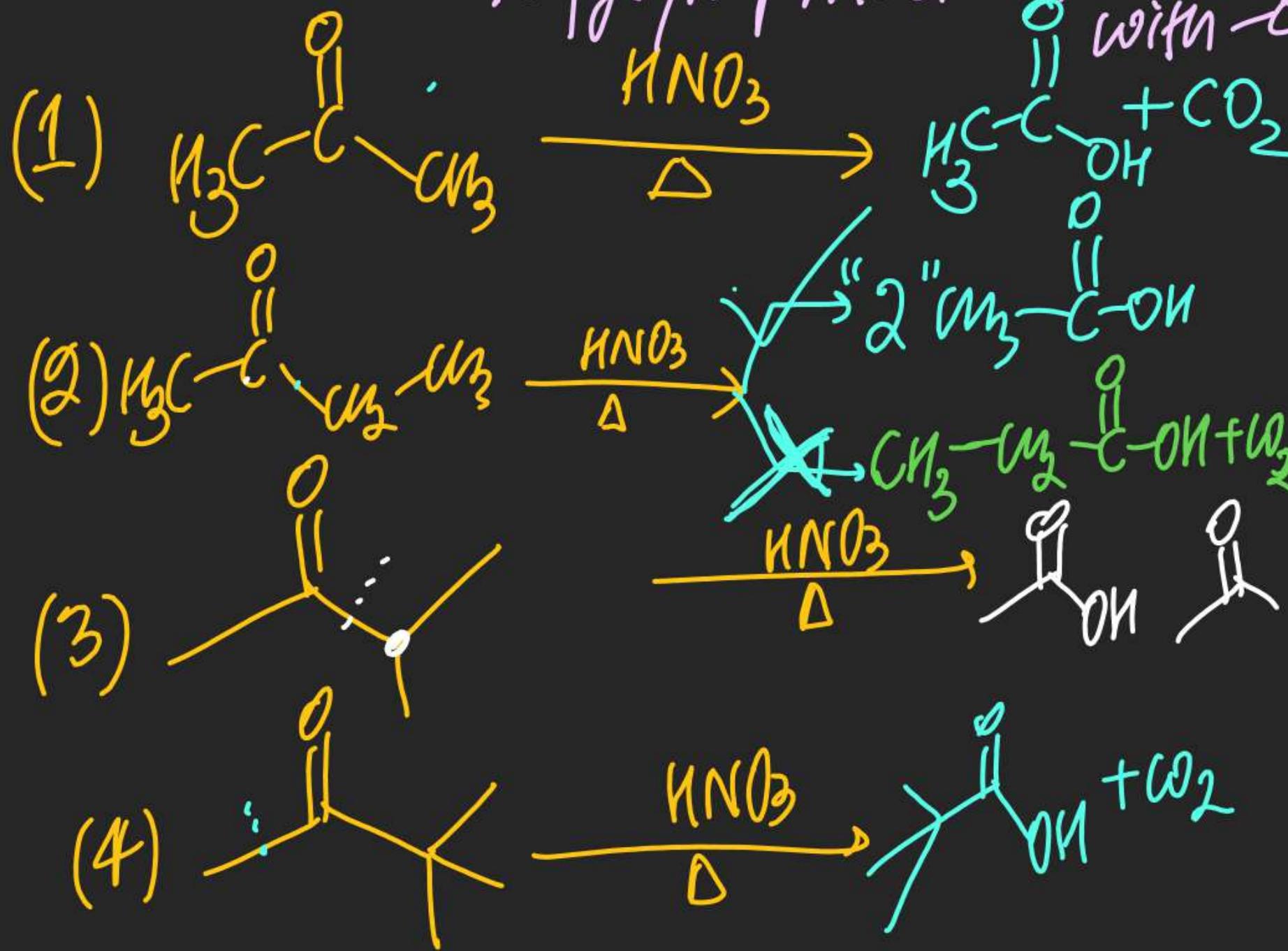


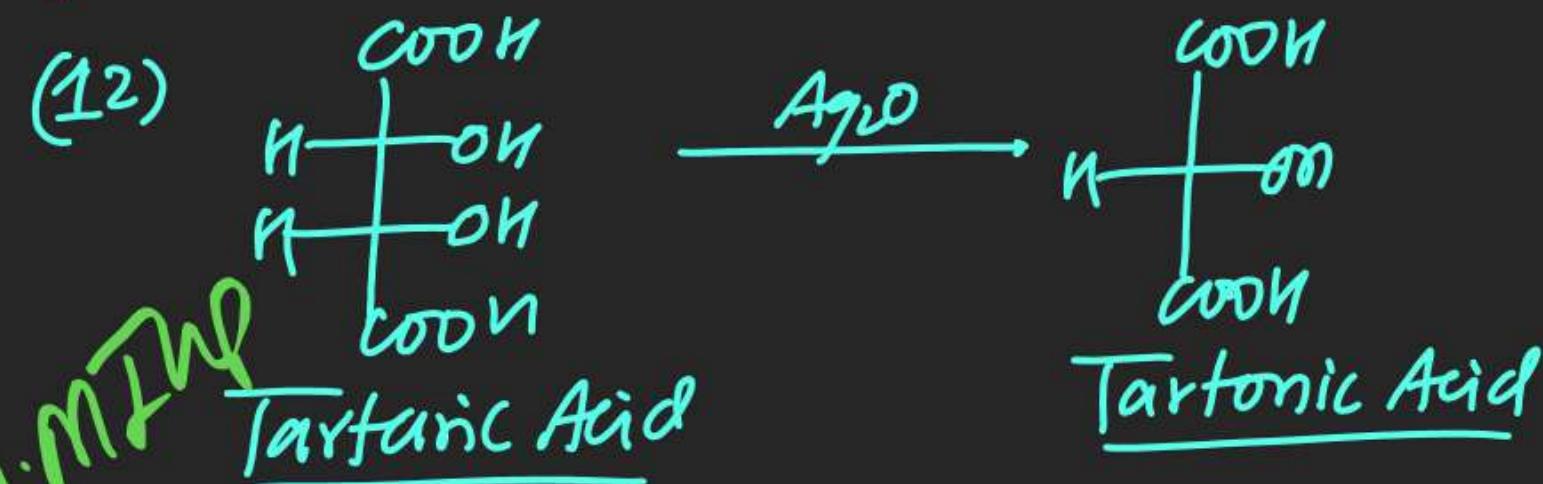




(#) Oxidation of  $\text{C}^{\prime}$  in Drastic Condition:

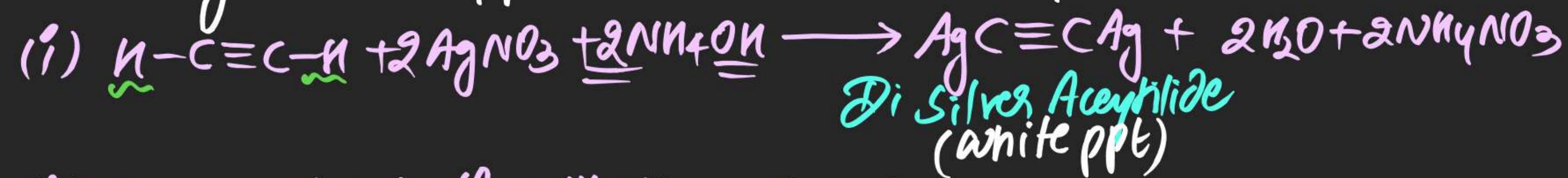
Pop off Rule: Acc. to this Rule smaller Alkyl group must be present with  $\text{C}^{\prime}$





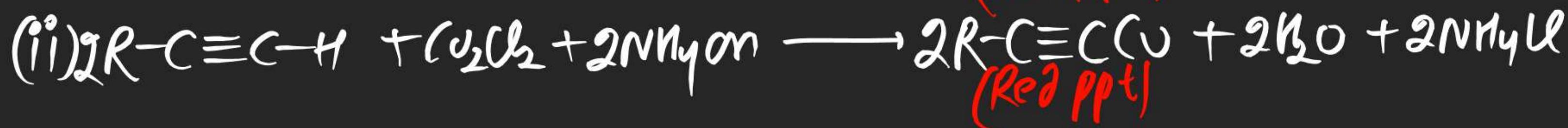
(13) By Ammonical  $\text{AgNO}_3$  Solution:-

→ It gives white ppt with Terminal alkyne



(14) By Ammonical Cuprous chloride:

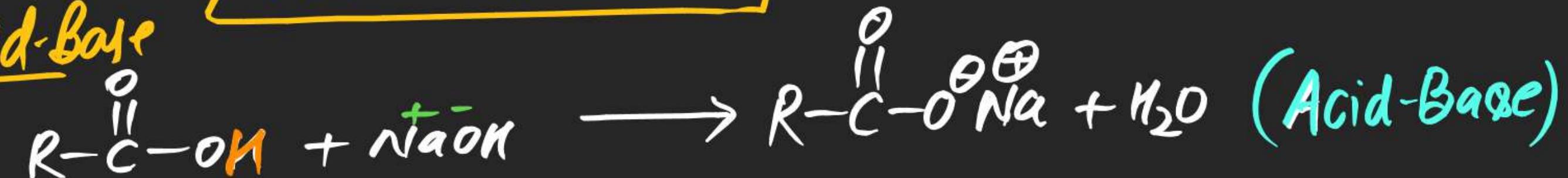
⇒ Terminal alkyne gives **Red colour ppt.**



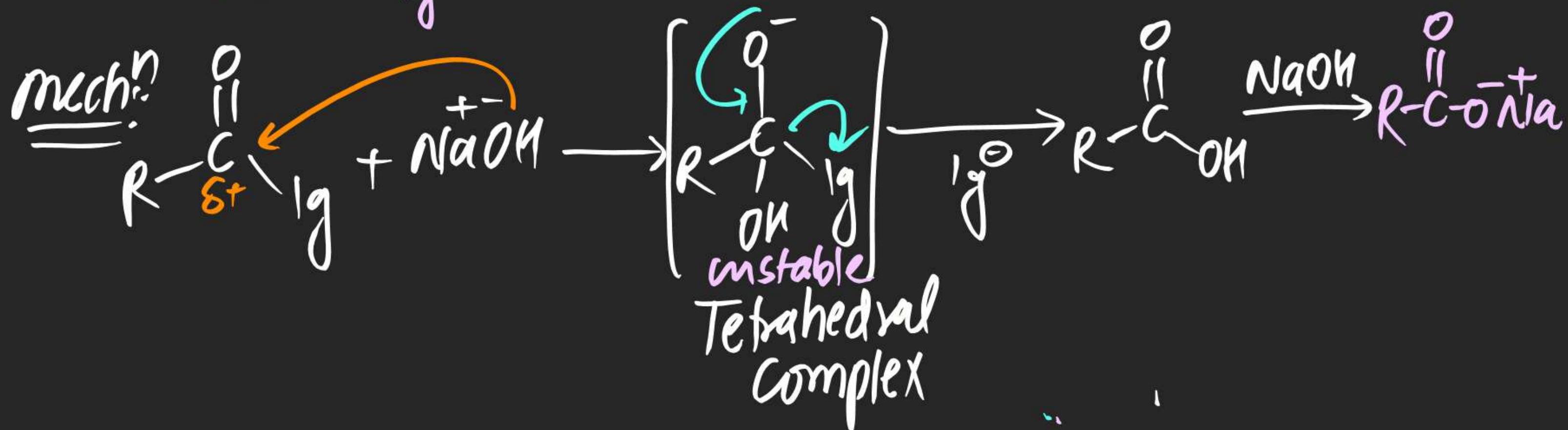
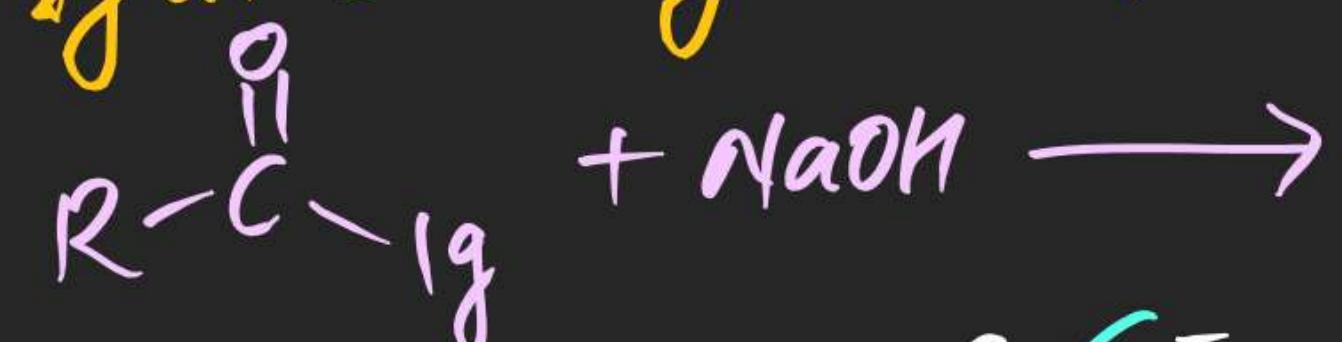
~~Note:~~ Ammonical  $\text{AgNO}_3$  & Ammonical  $\text{W}_2\text{O}_8$  Both can be used  
 for distinction b/w Terminal & Non Terminal alkyne.

## Named Reaction

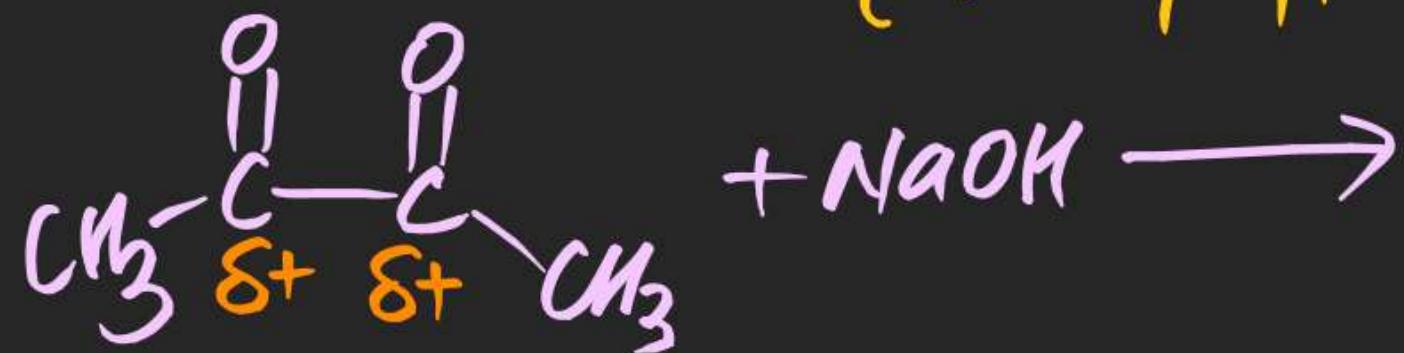
Case (i) Acid-Base



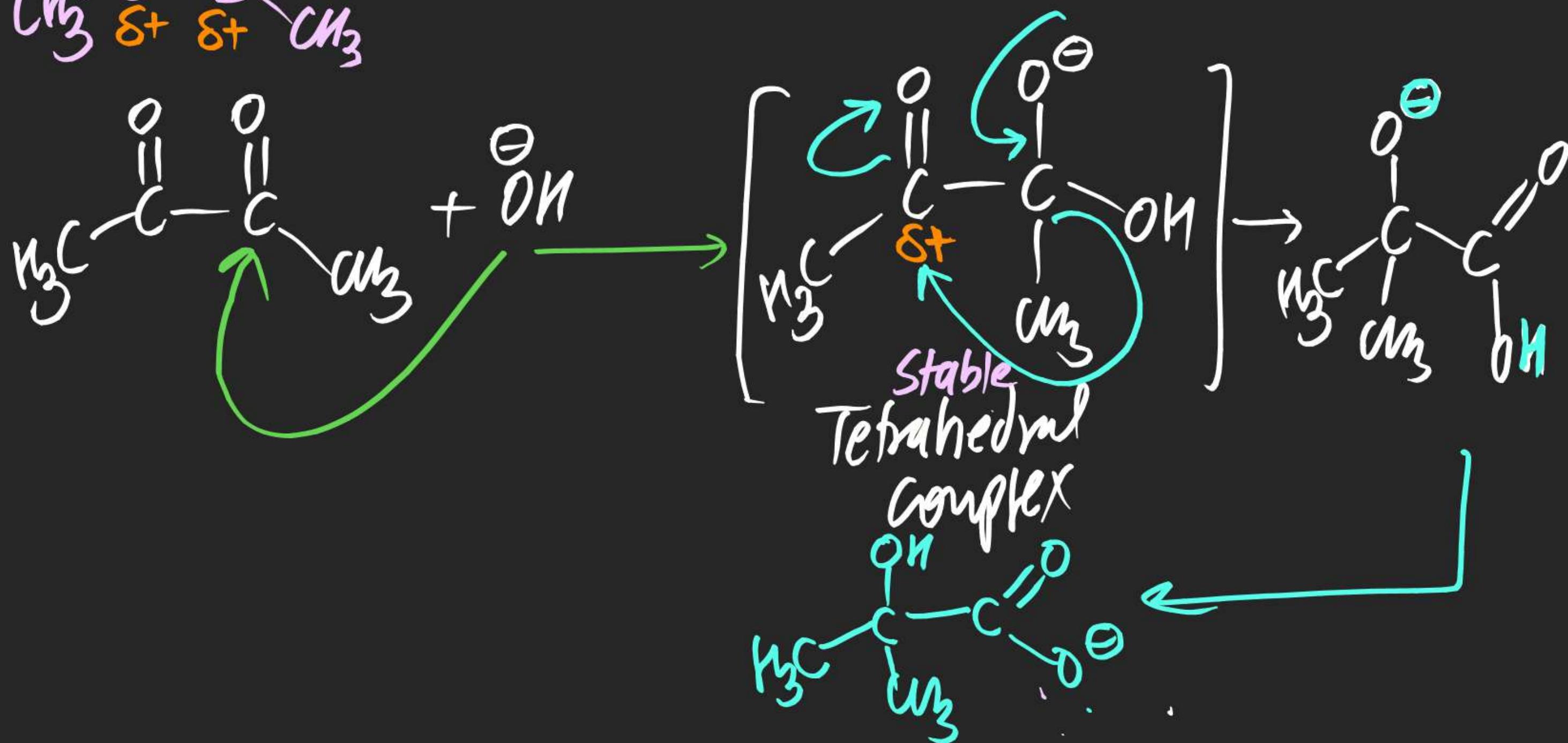
Case (ii) Ig at Carbonyl Carbon

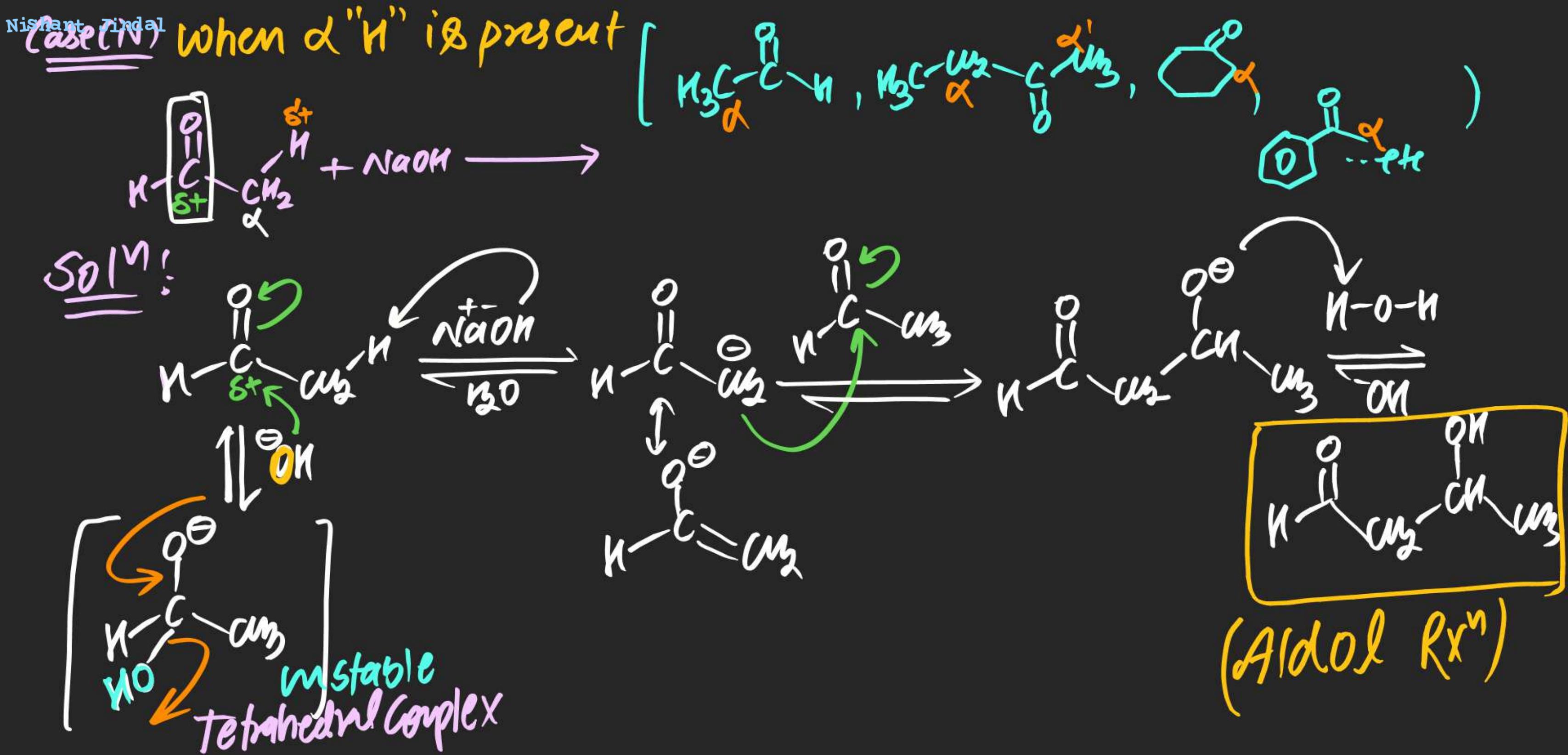


Nishant Jindal  
Case (iii) In Case of 1,2 di Carbonyl Compound.  
Aldehyde/ketone



mech?



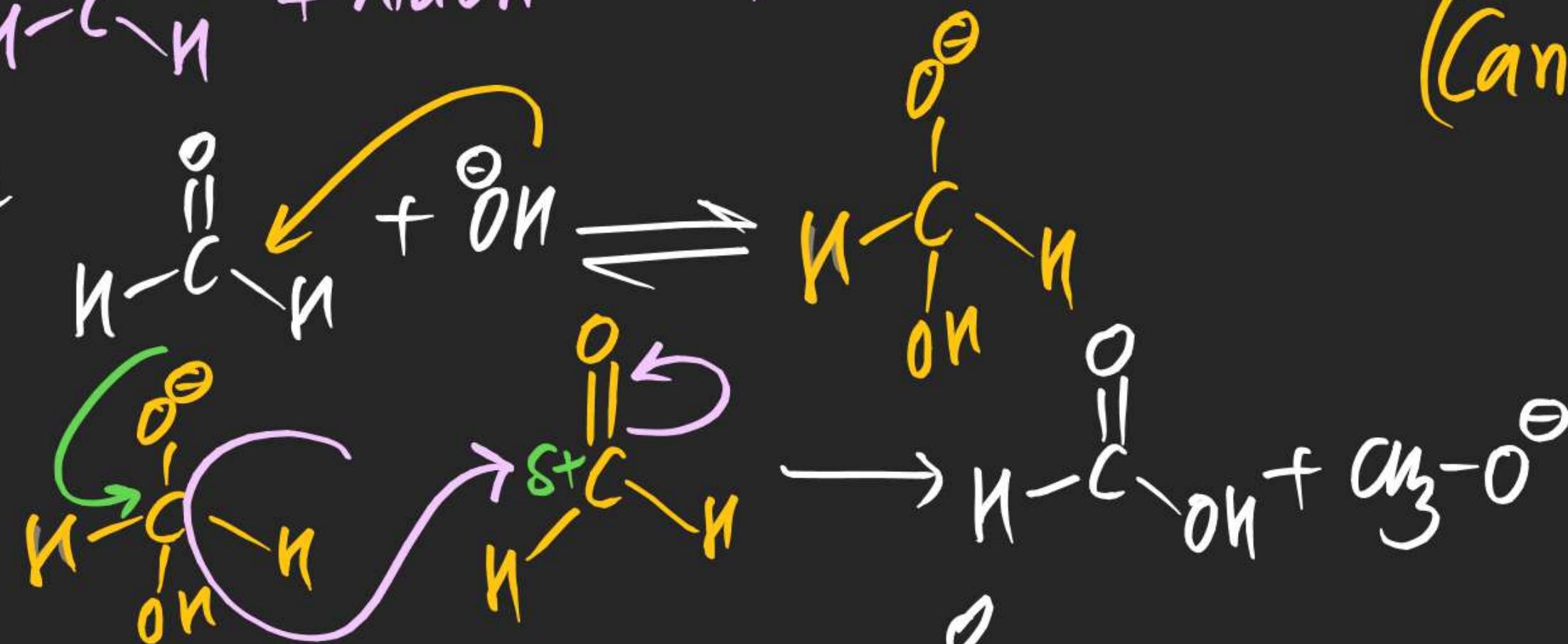


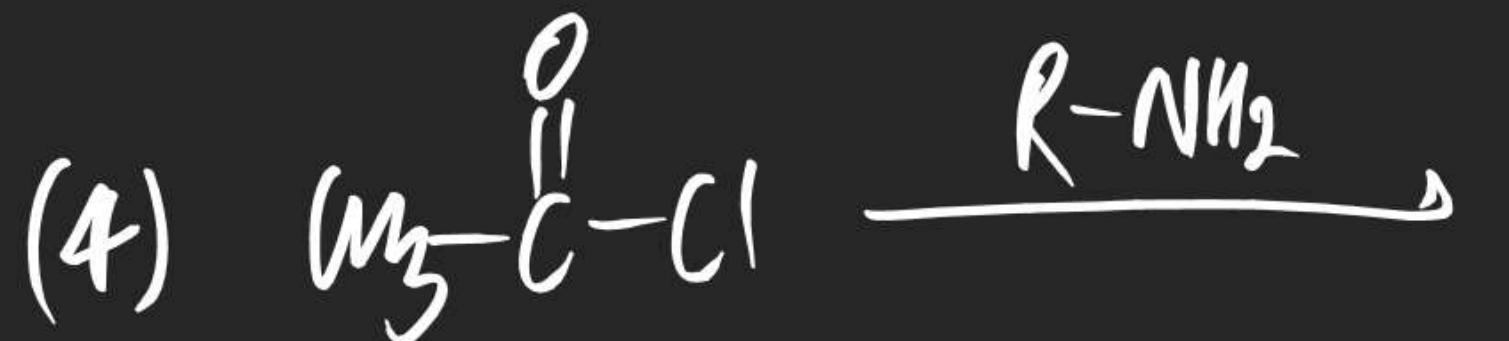
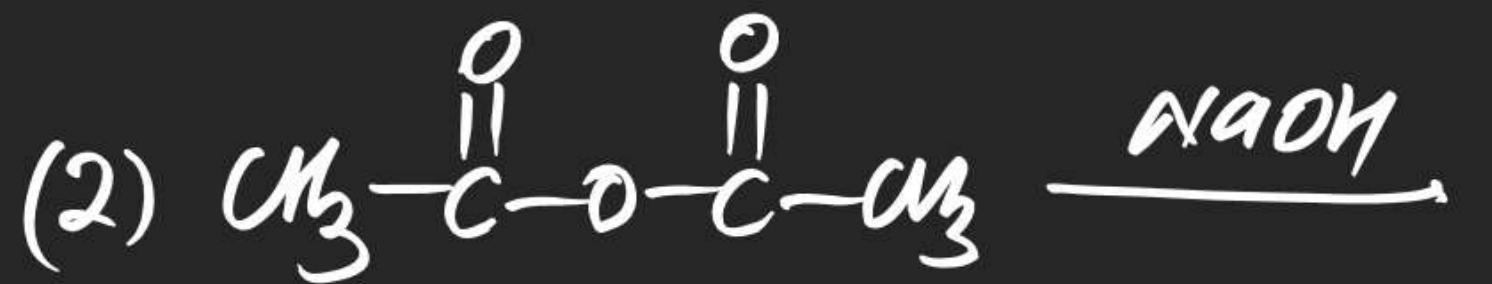
Nishant Jindal  
Case(v): When Carbonyl Compound doesn't contain  $\alpha$ -H.  
( $\text{K}-\text{C}_6\text{H}_5$ ,  $\text{O}=\text{C}-\text{N}$ ,  $\text{C}_6\text{H}_5-\text{O}-$ )

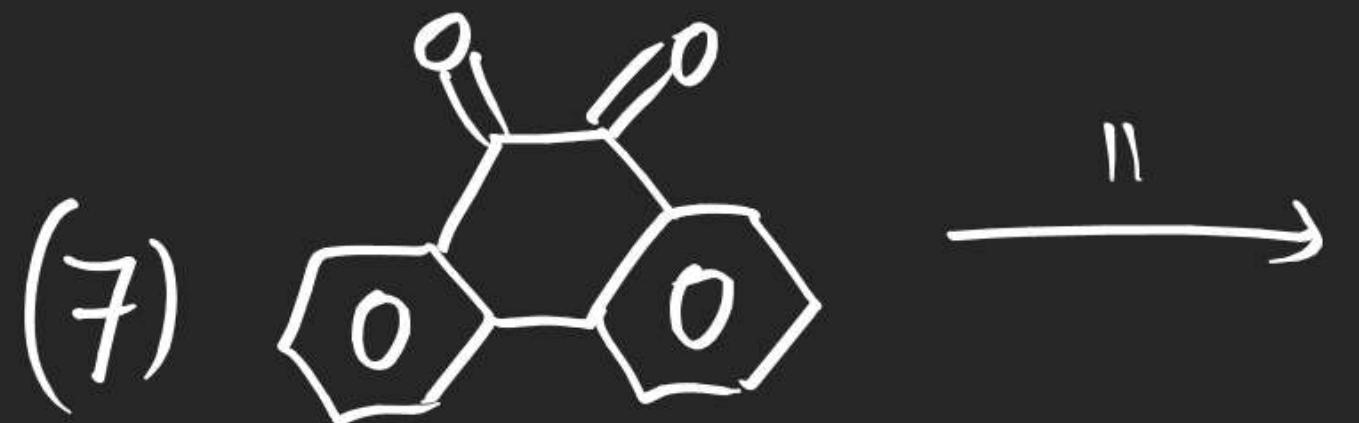


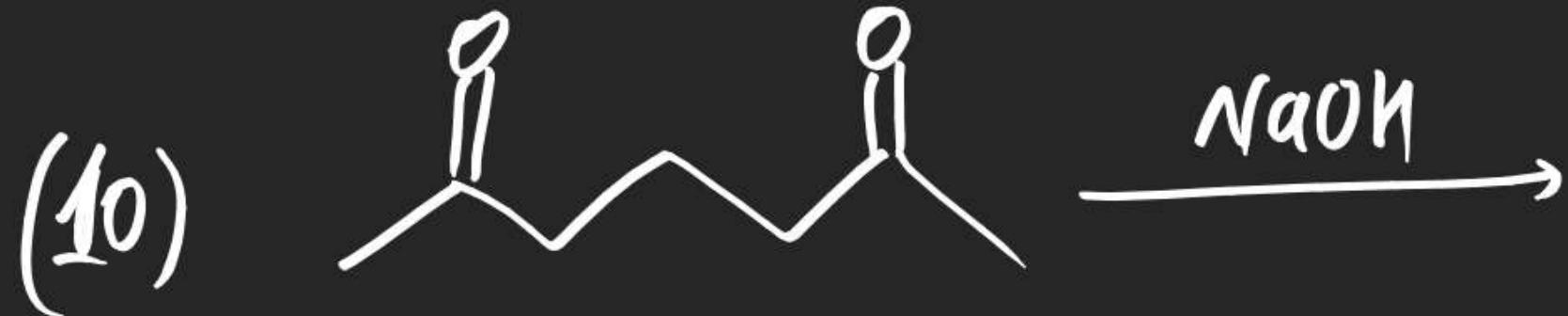
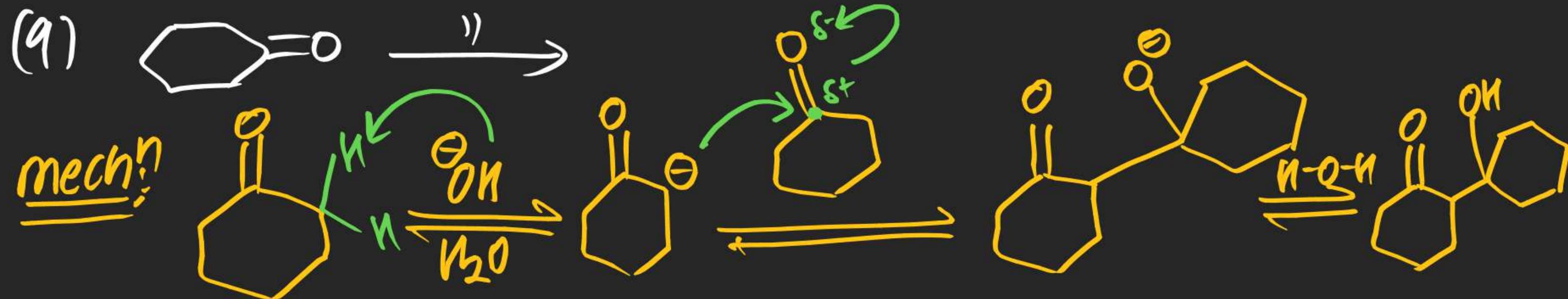
(Cannizaro Rxn)

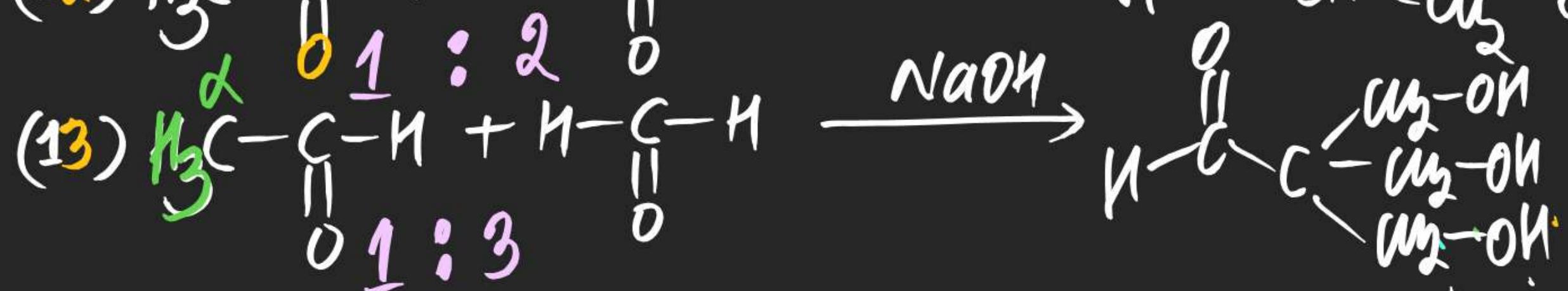
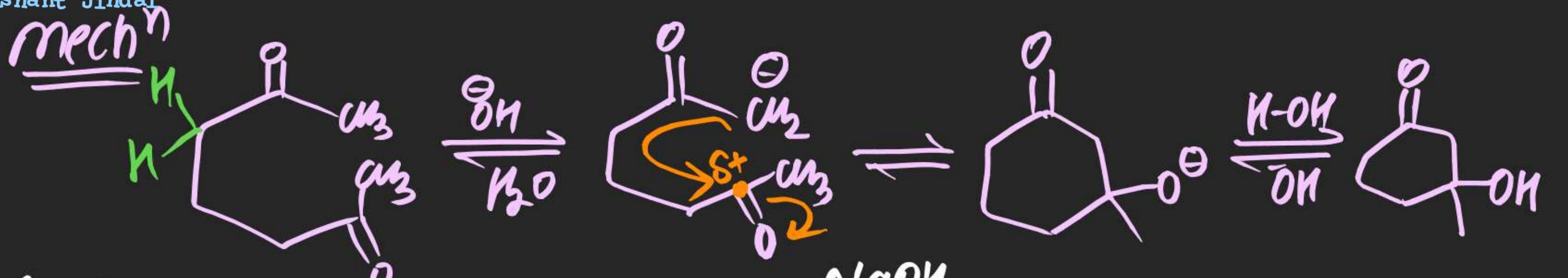
mech^n:

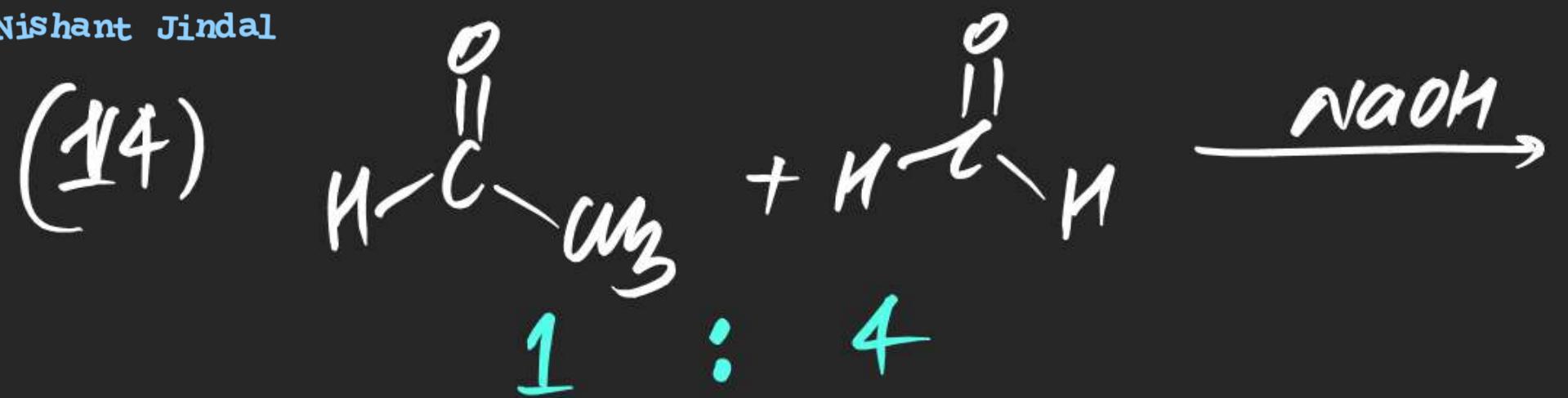


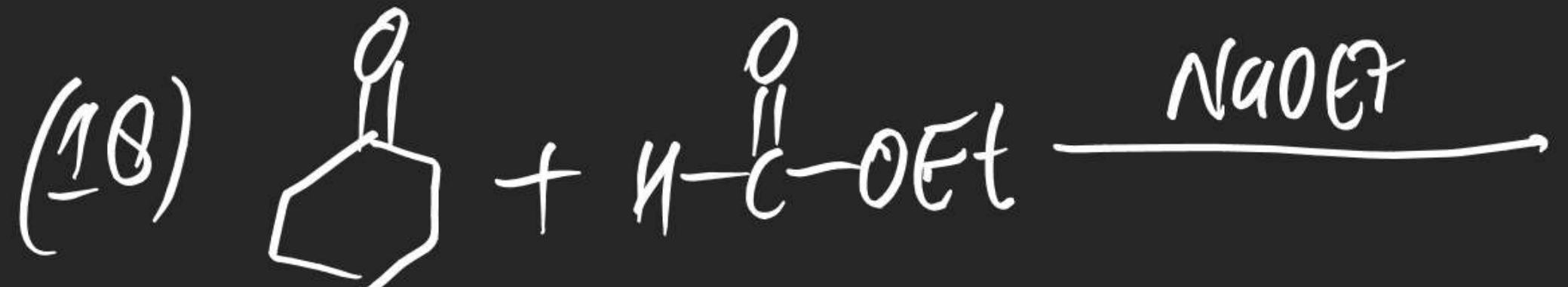
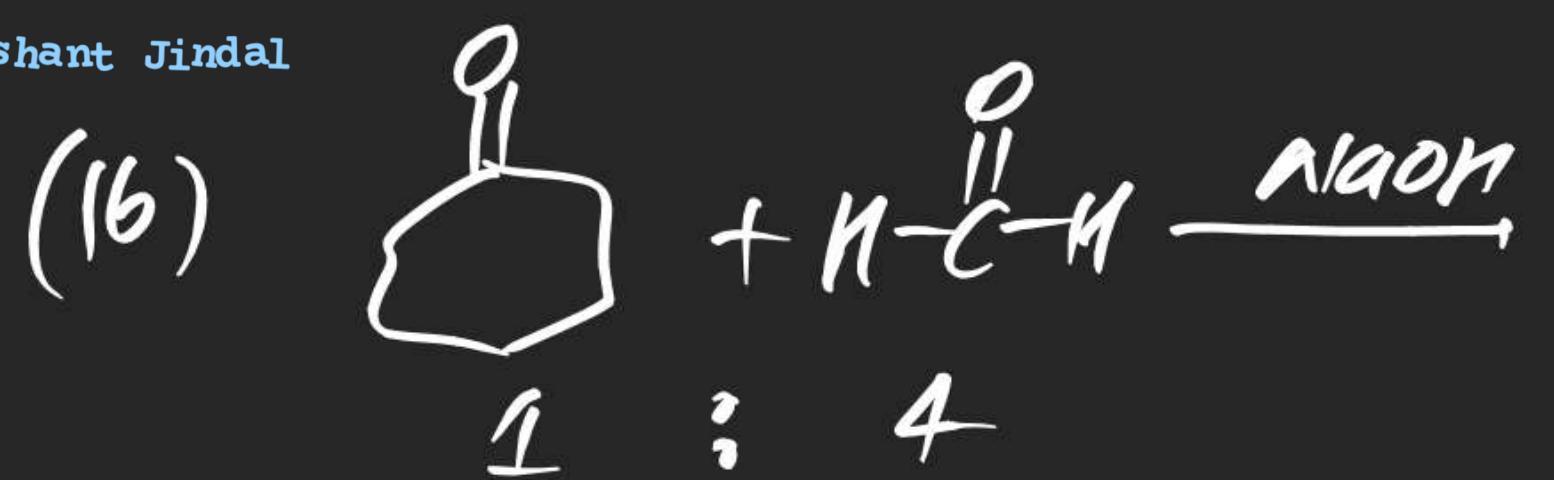


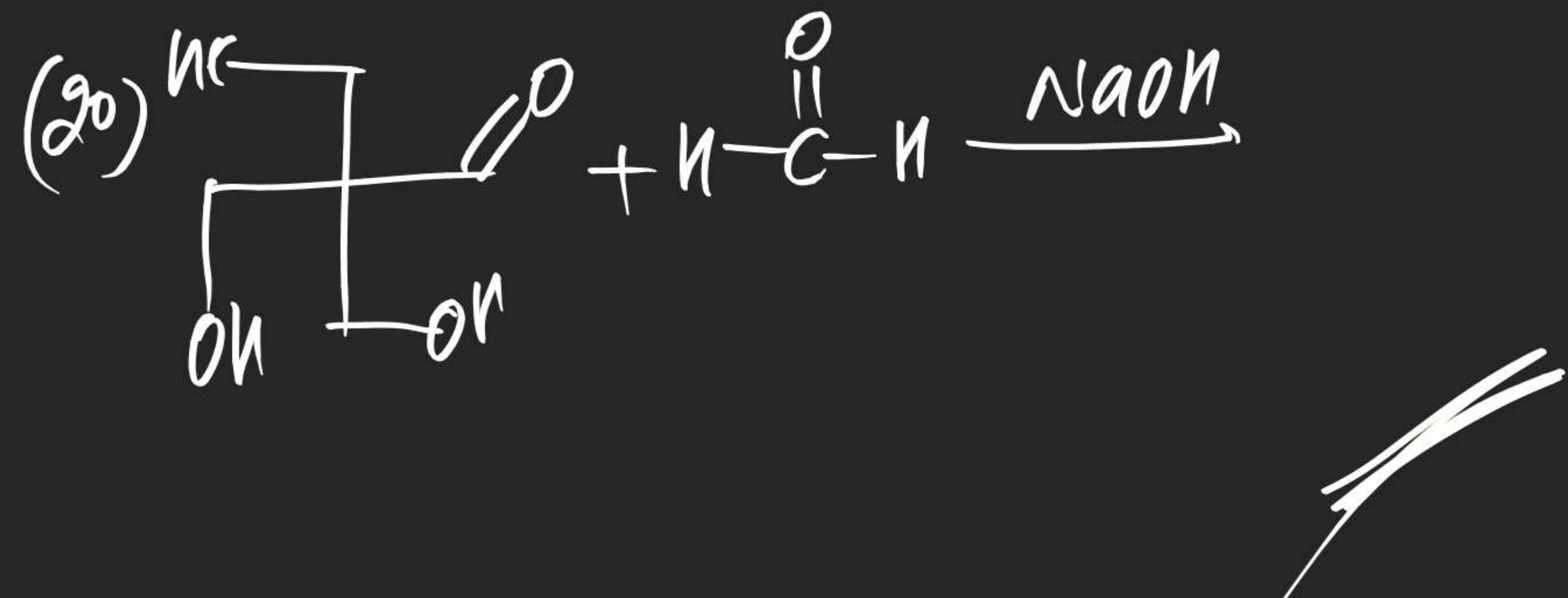
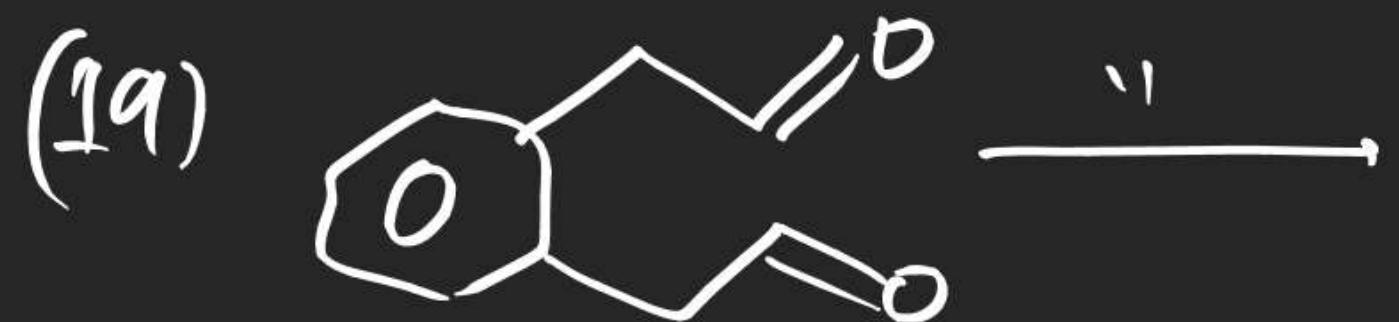












④ Carbonyl sheet Complete  
Except - (Named Reaction)

⑤ BB ( Alkyne Halide)  
Complete .