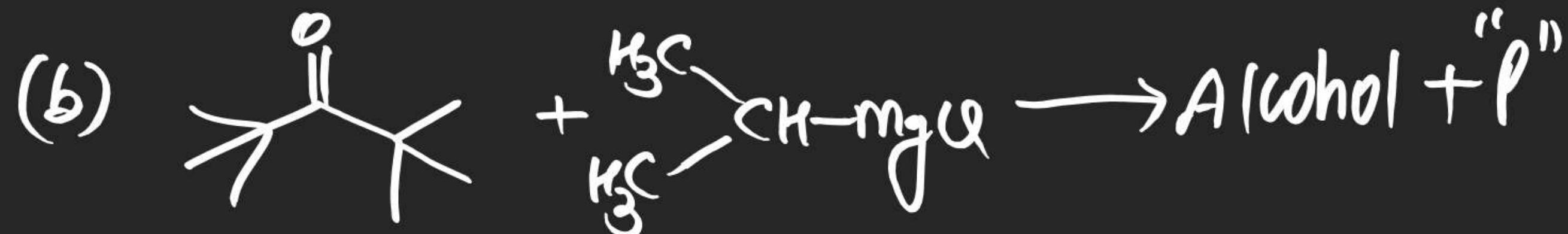
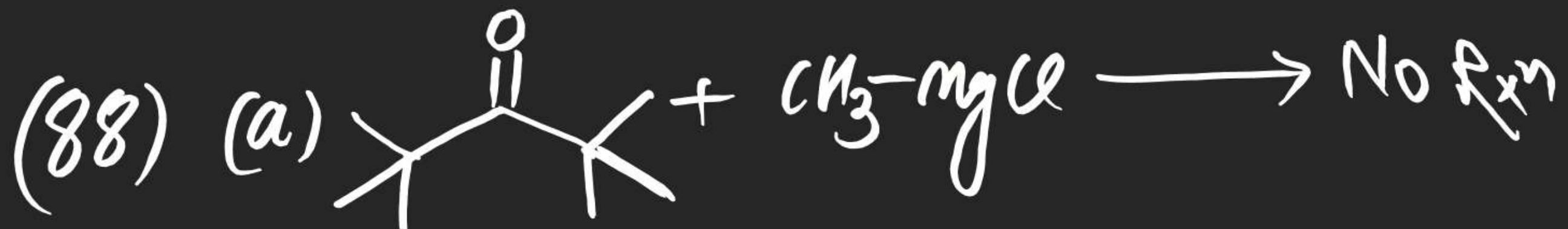
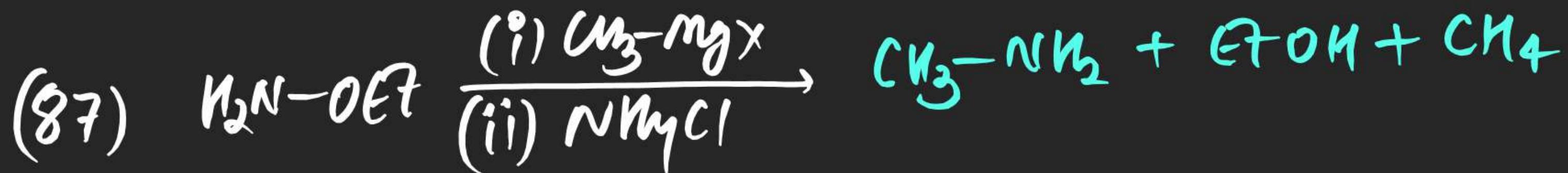
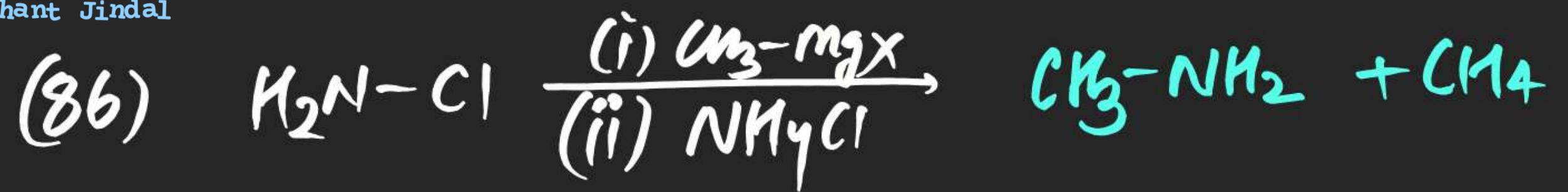


(85)

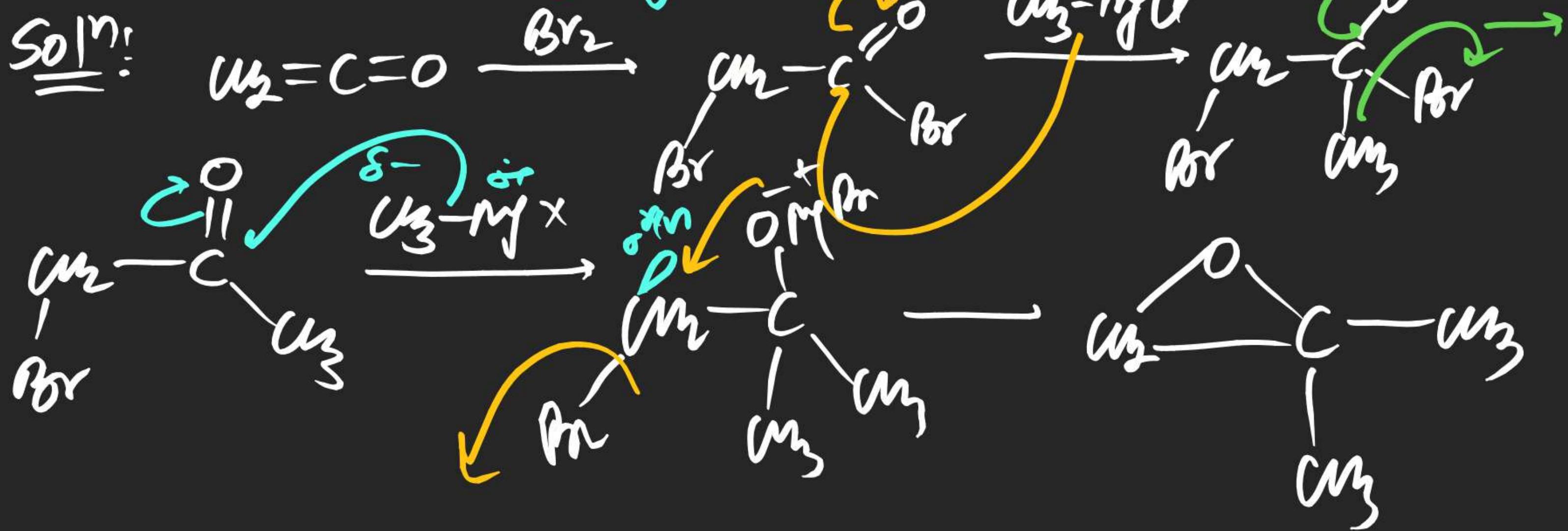
$$\frac{m_2 - m}{m} = \frac{(11 - m)}{m} \xrightarrow{mg}$$

SOLⁿ: $\frac{m_2 - m}{m} = \frac{m - m}{m} \xrightarrow{mg} \frac{m_2 - m}{m} - m = m \xrightarrow{-mg\beta r_2} m_2 - m = m - m = m$

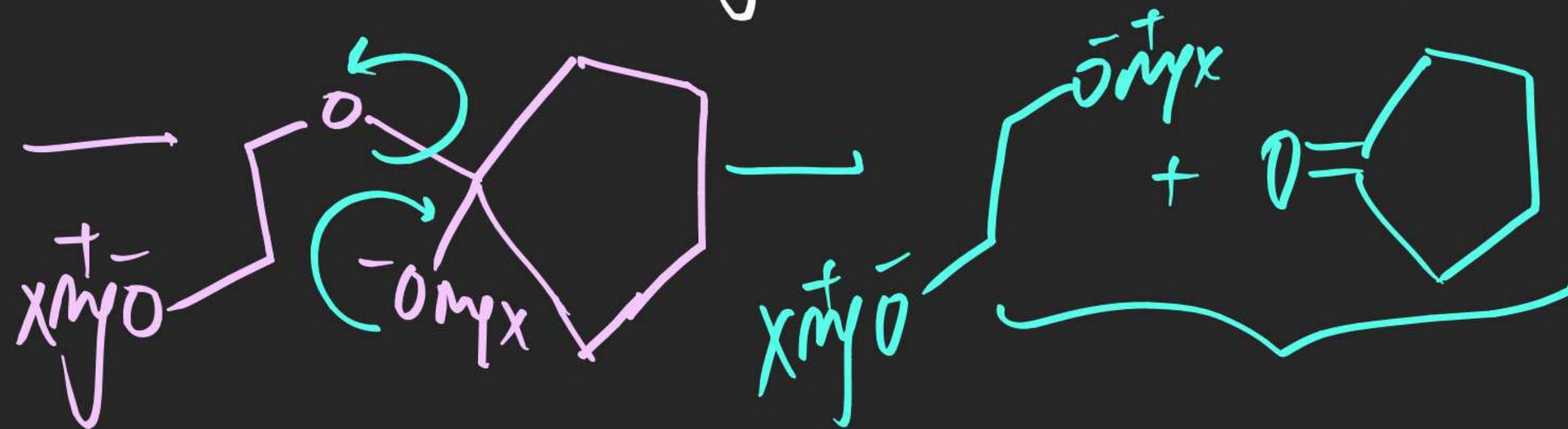


(80) $\text{CH}_2=\text{C}=\text{O}$ $\xrightarrow{\text{(i)} \text{Br}_2}$ $\xrightarrow{\text{(ii)} \text{CH}_3-\text{MgU} (2\text{eq})}$

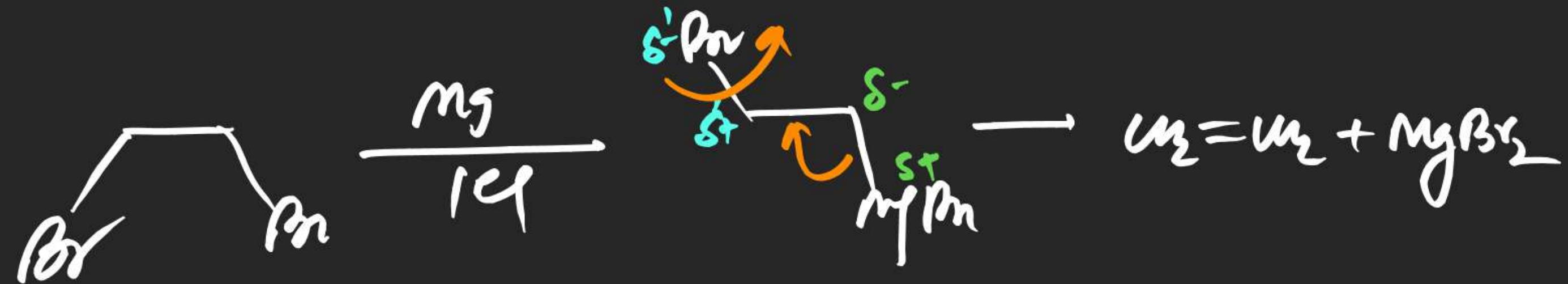
Soln:



(81)



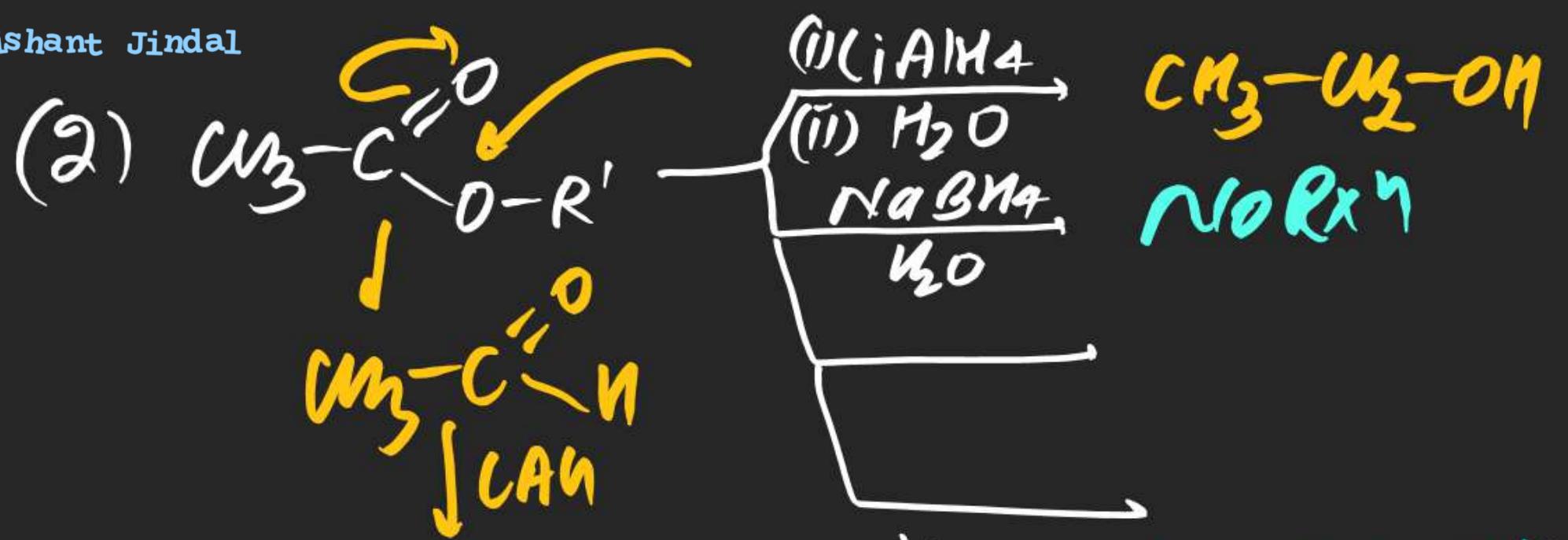
(82)

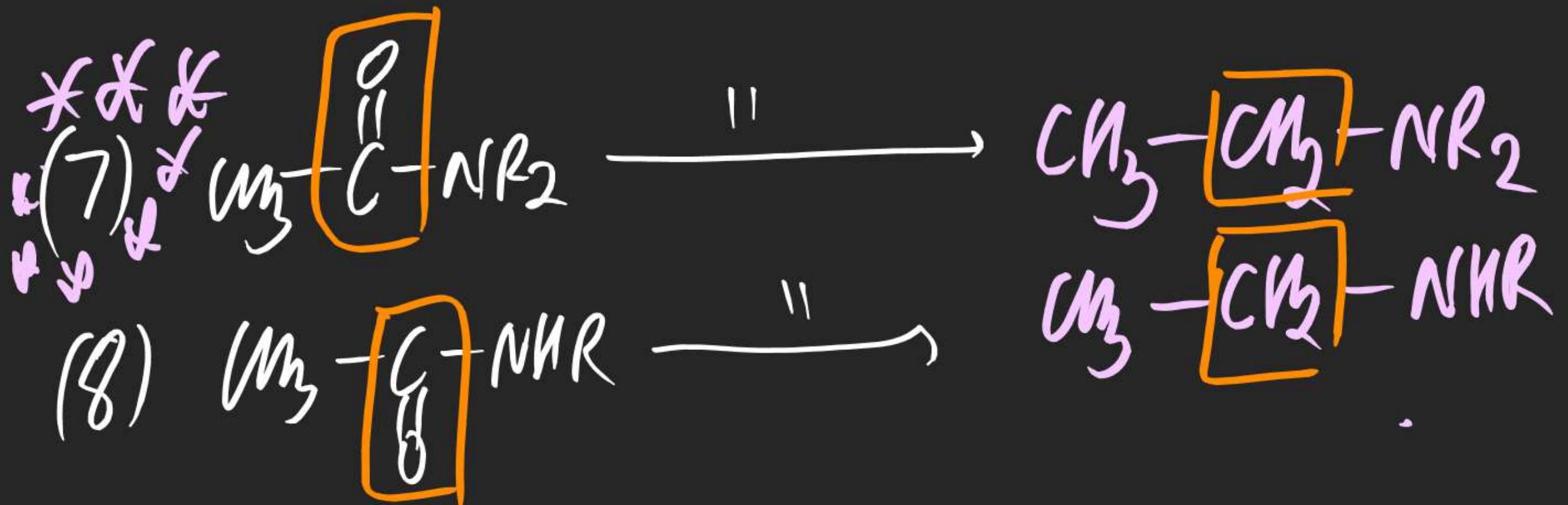
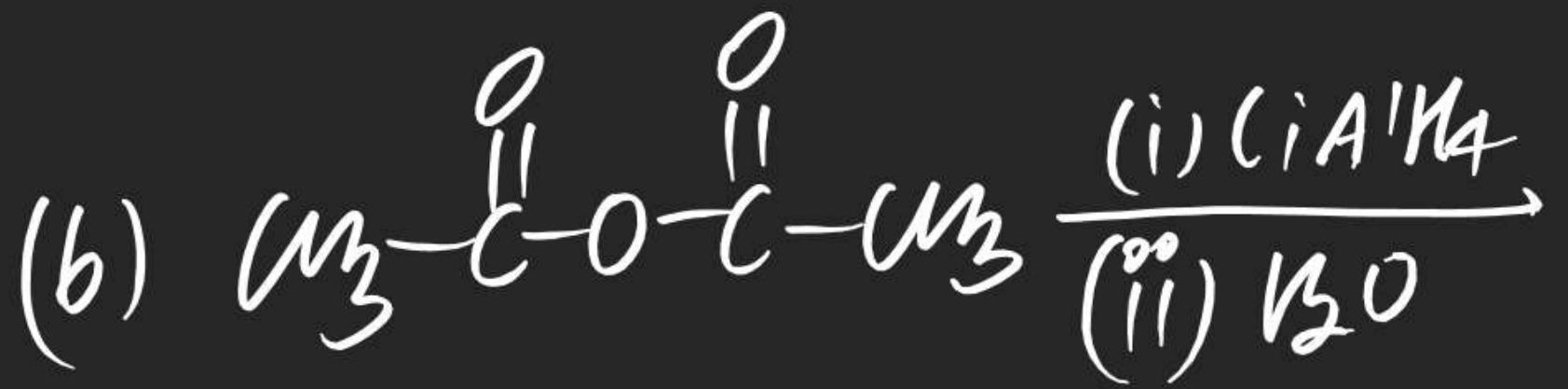
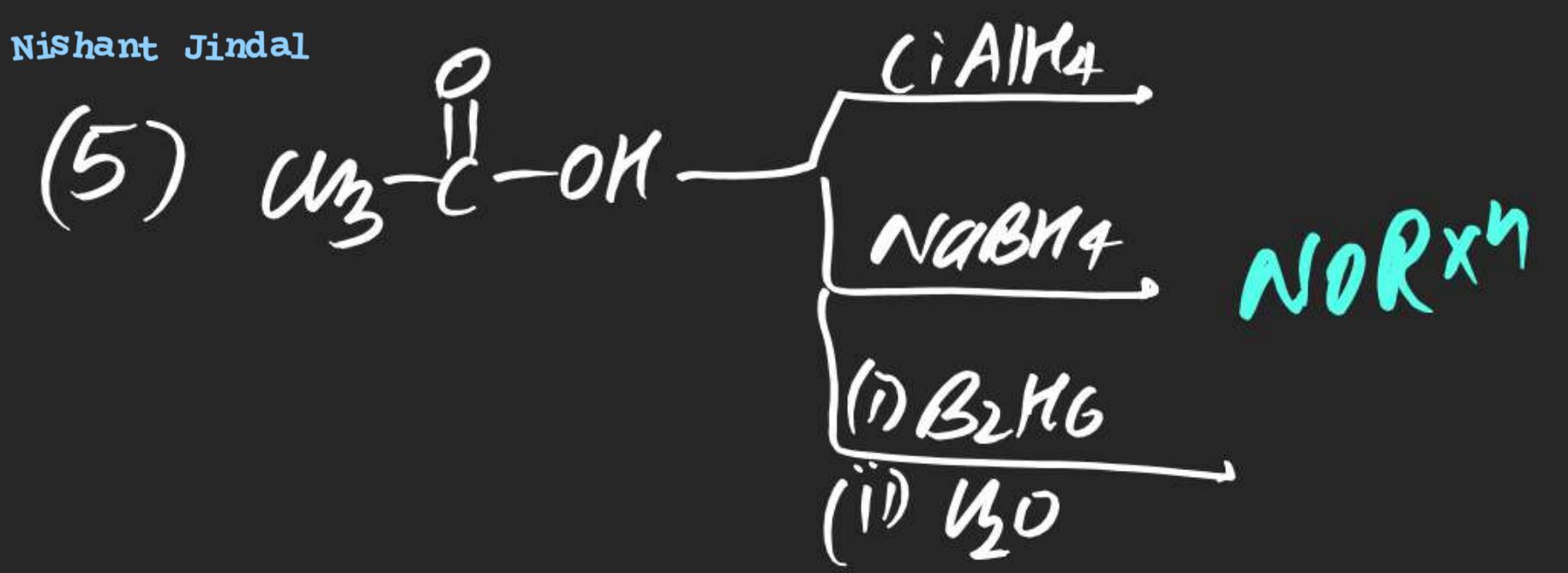


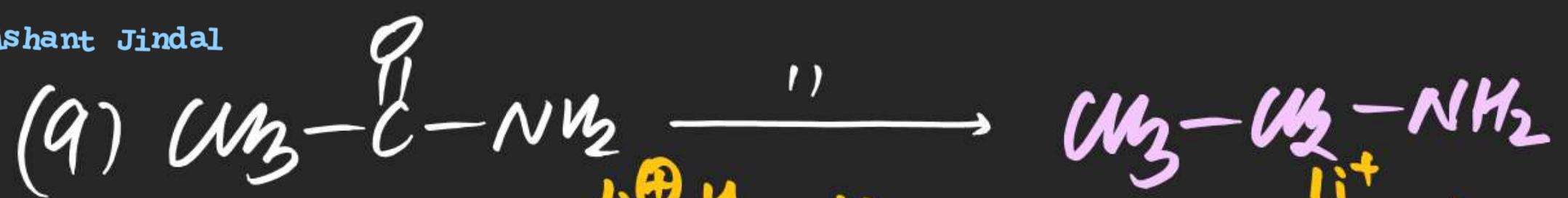
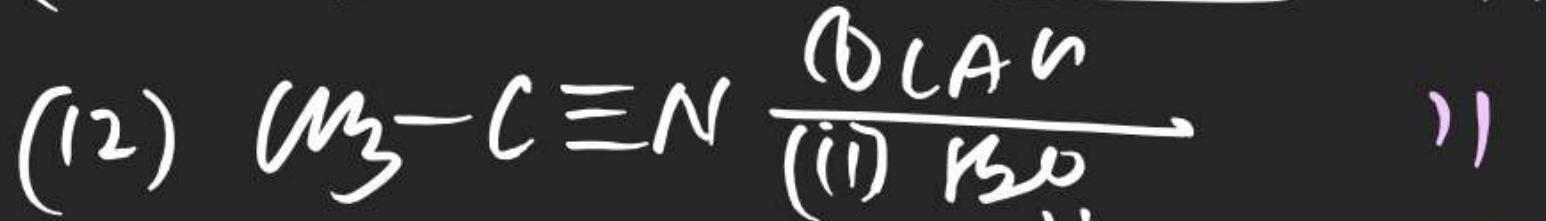
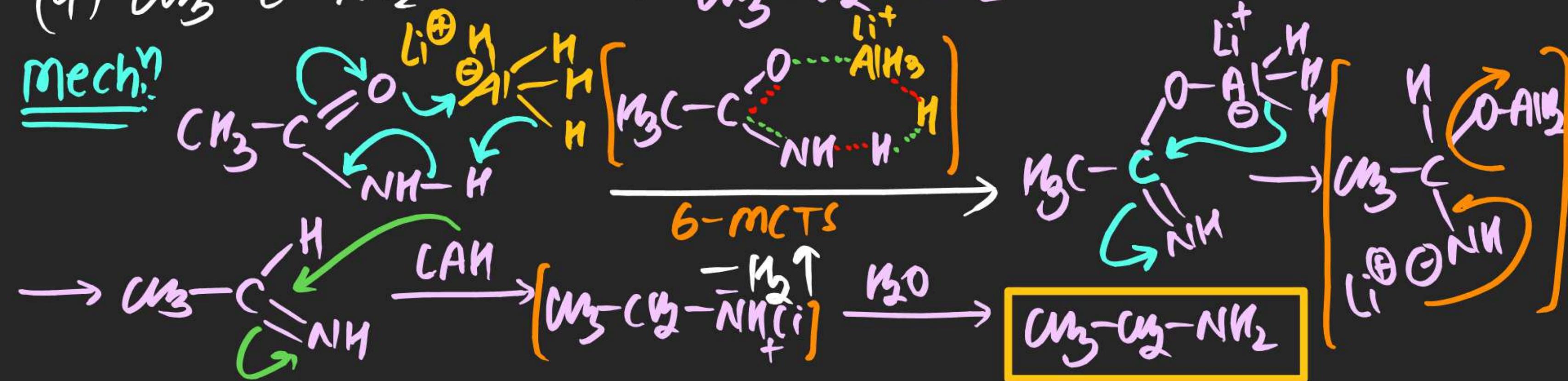
(83)

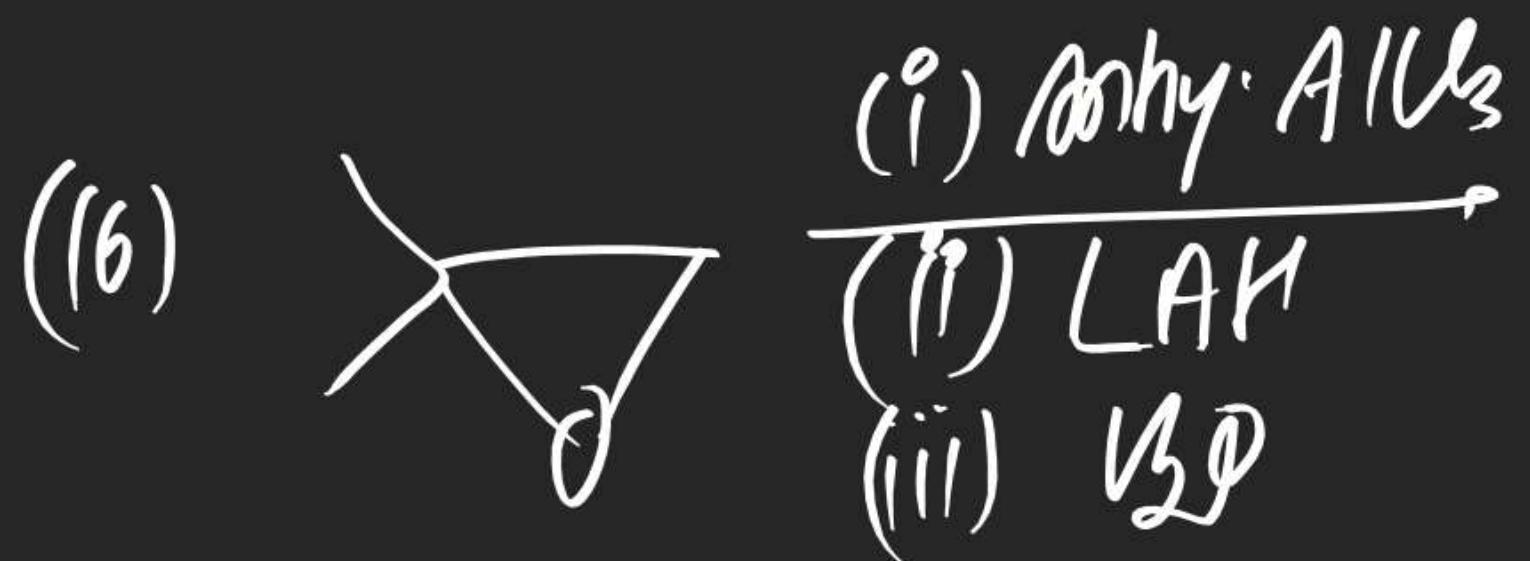
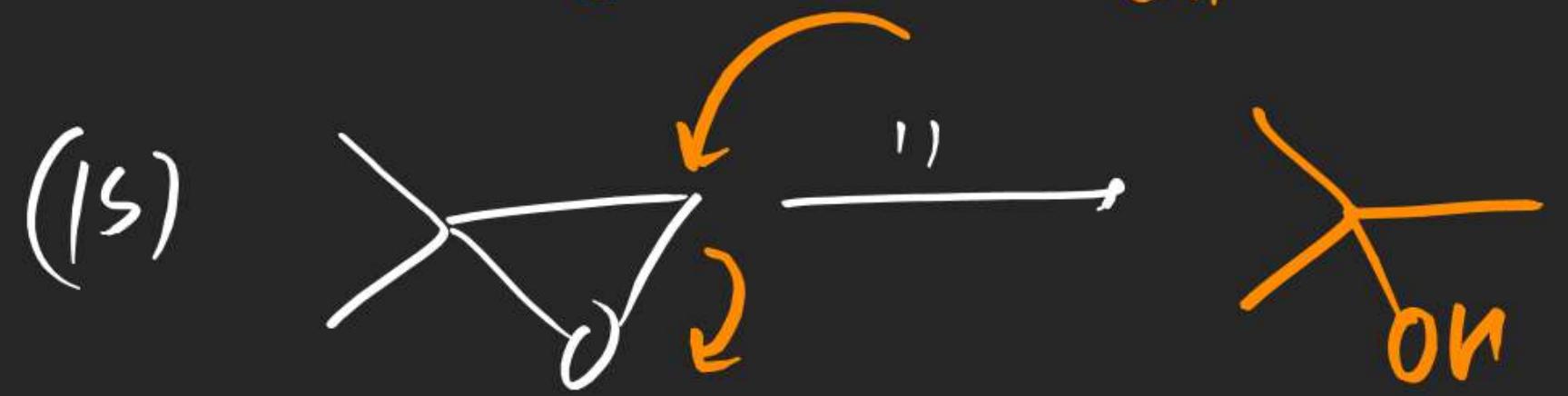
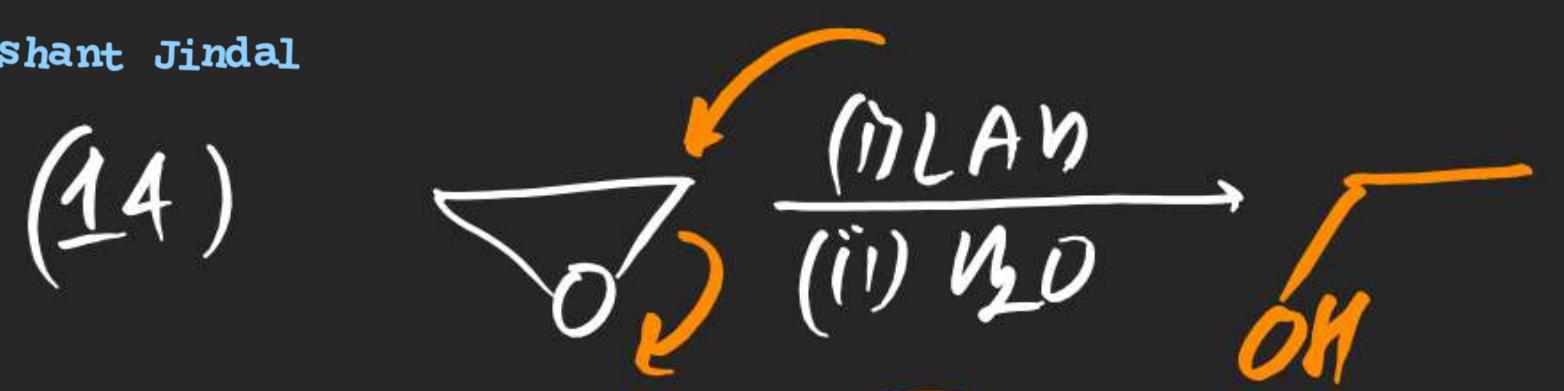




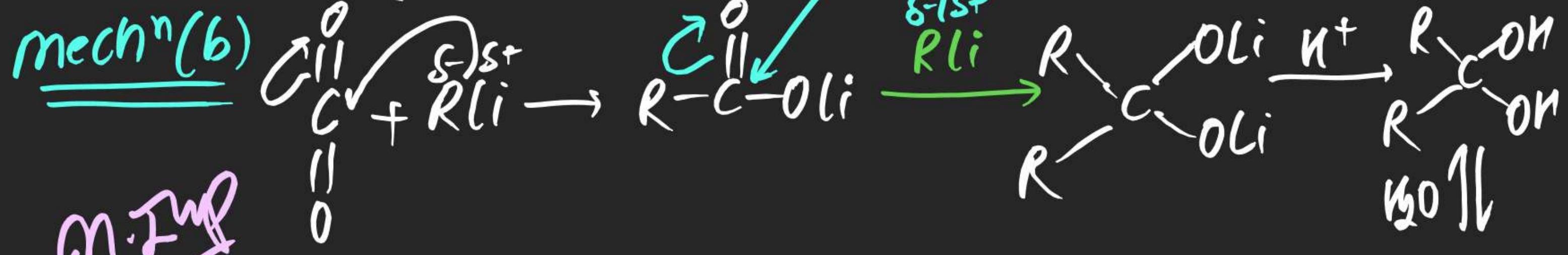
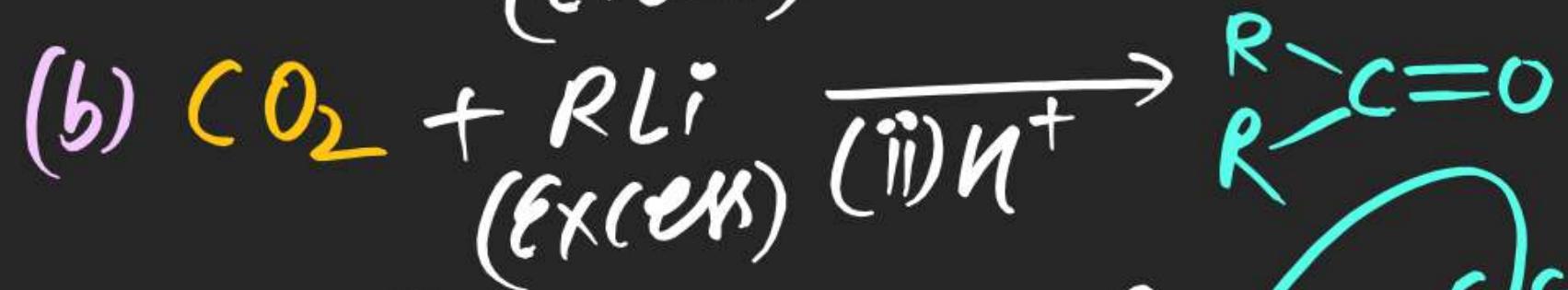
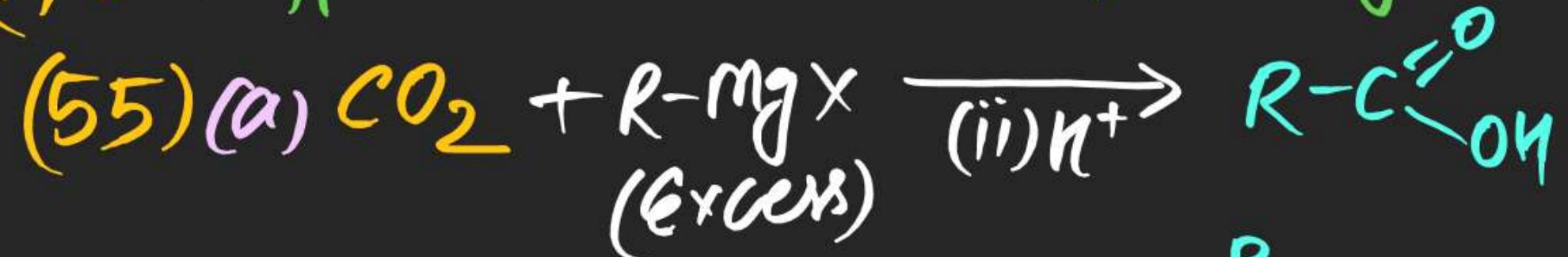




mech.



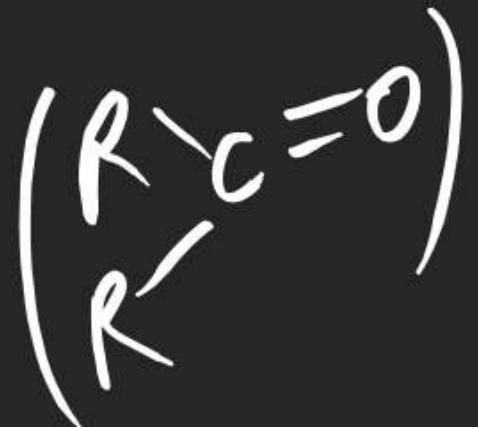
(#) difference b/w Reactivity of $R\text{-MgX}$ & RLi

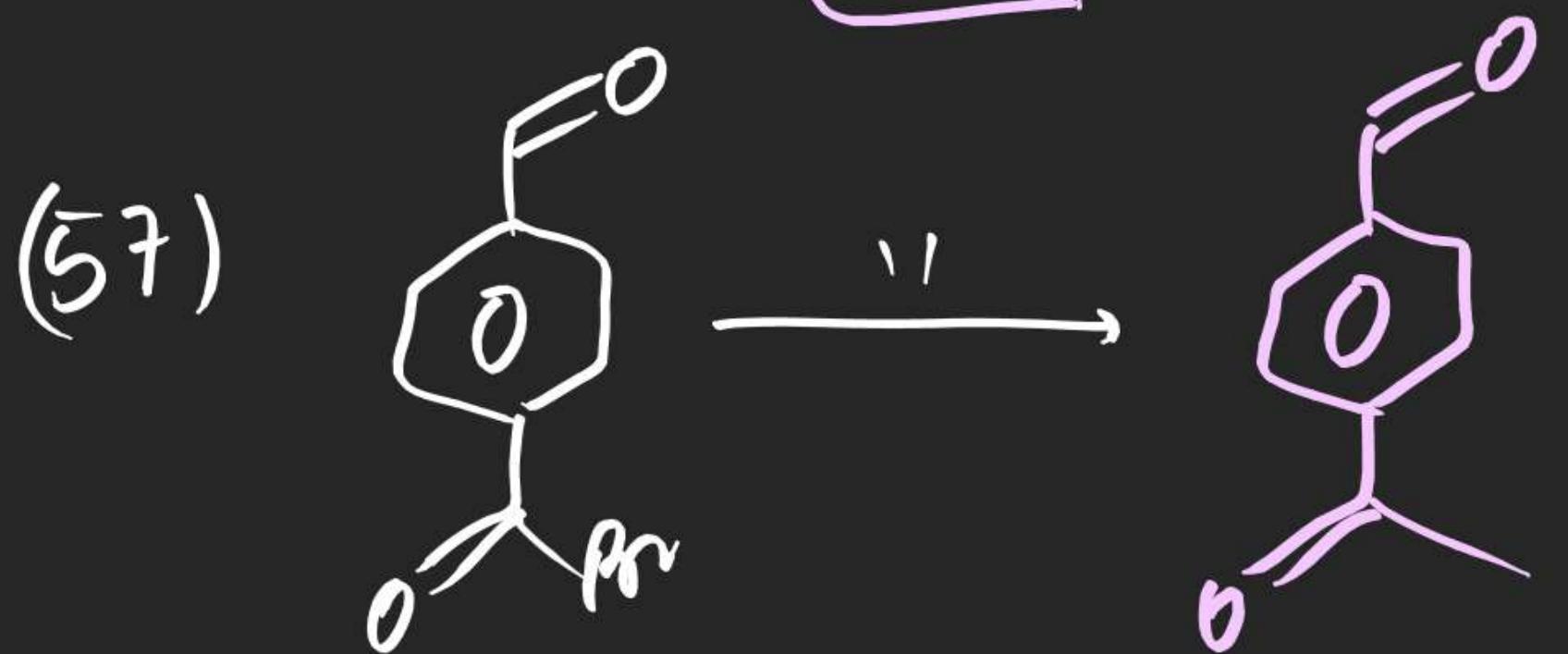
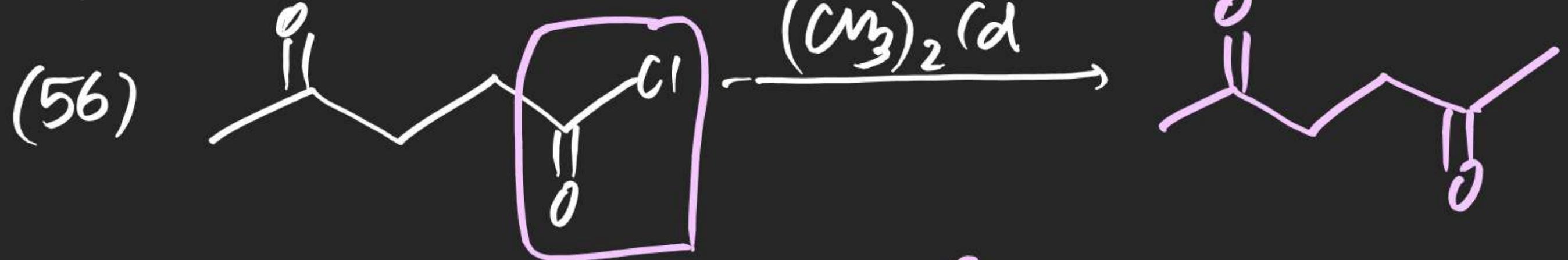


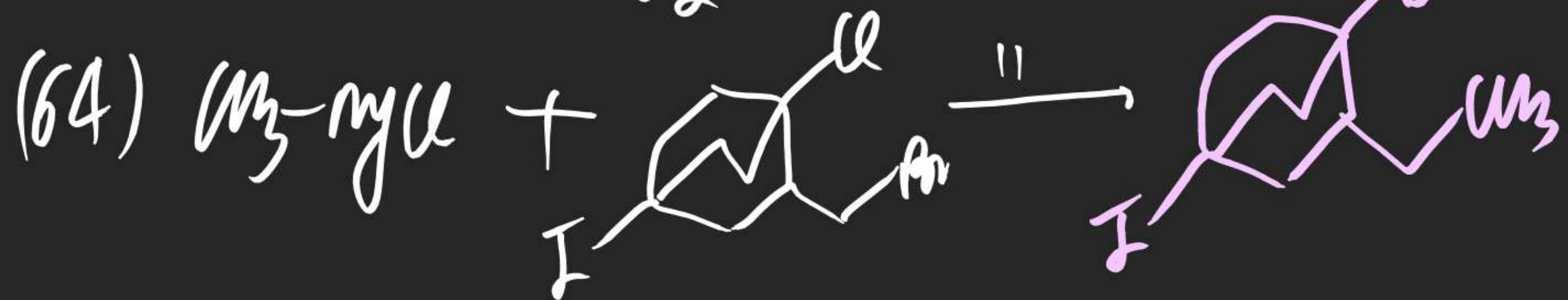
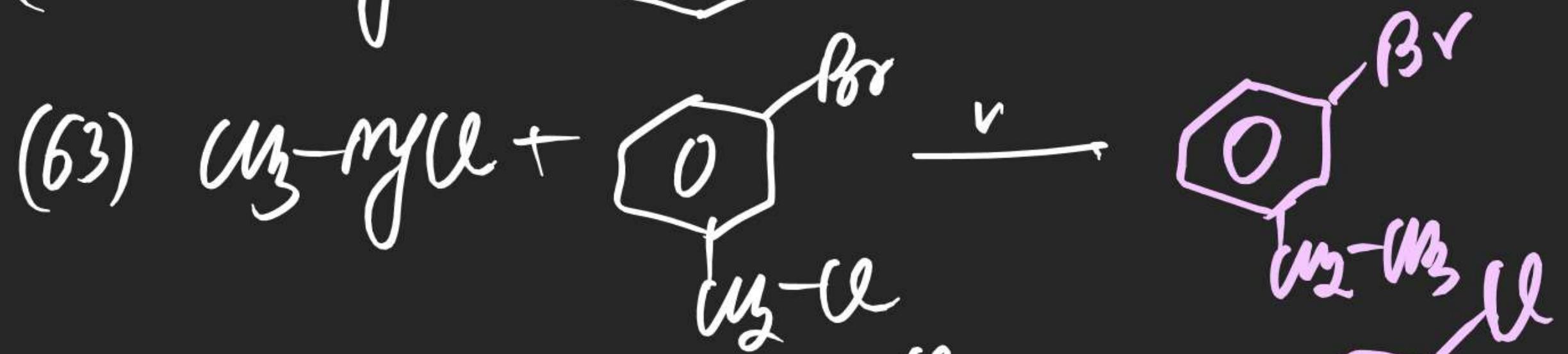
M.F.W.

Note

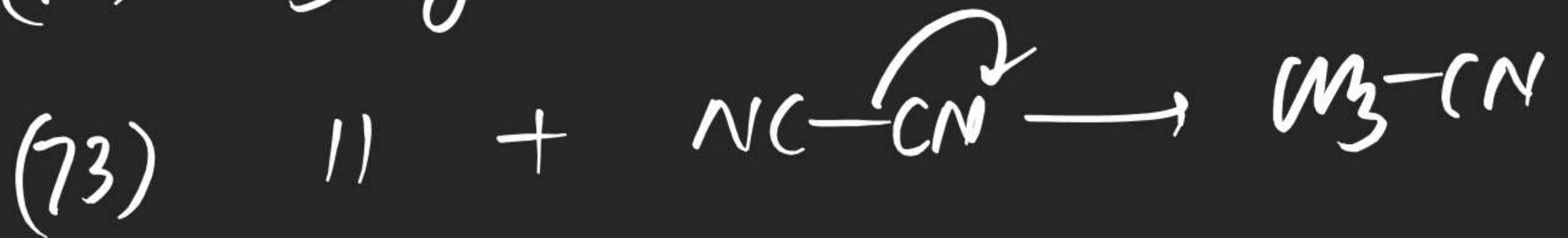
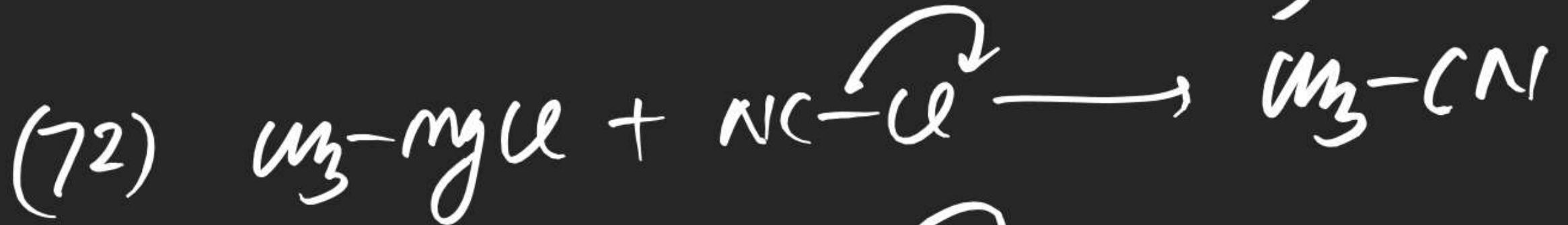
R_2Cd is less reactive & reacts only with Acid halide.

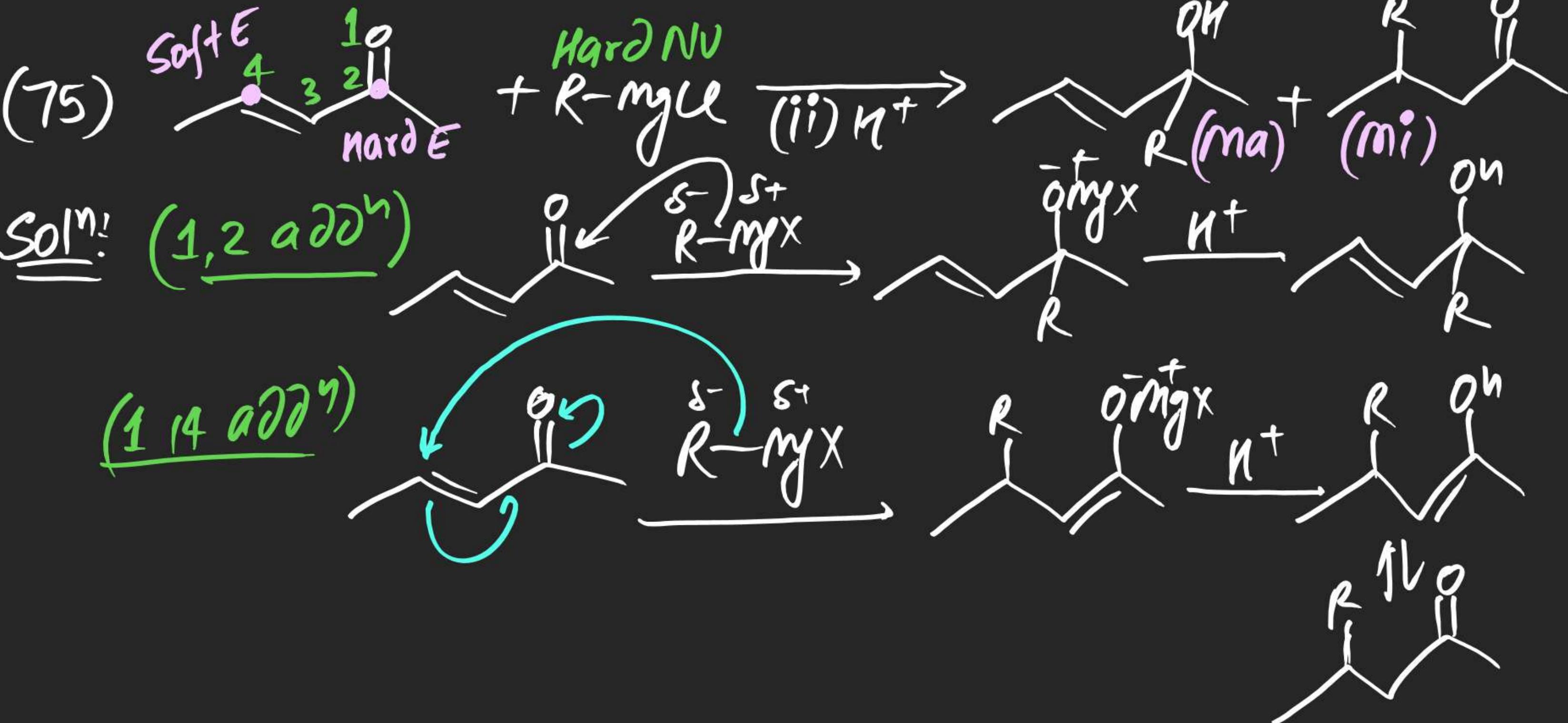


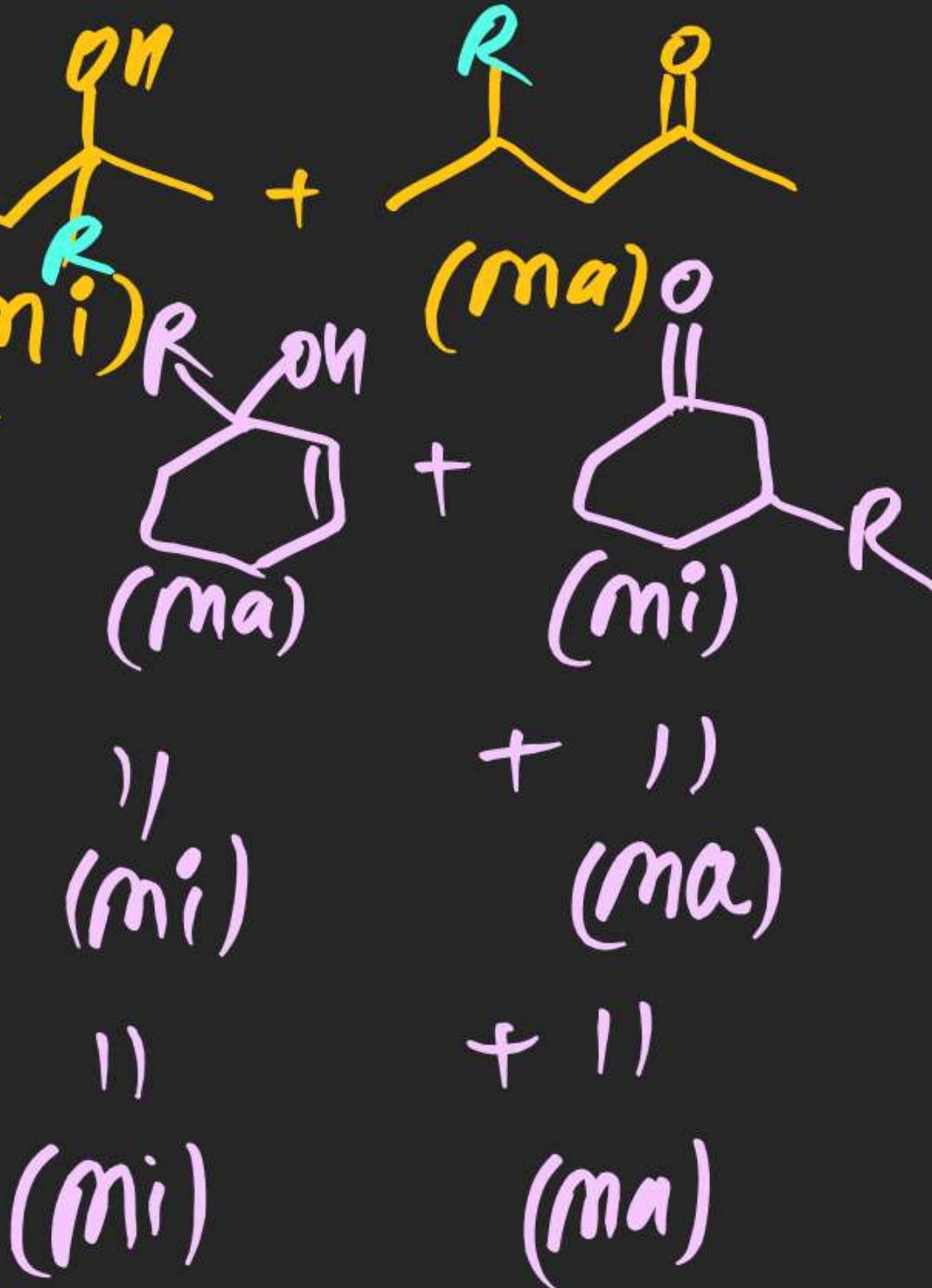
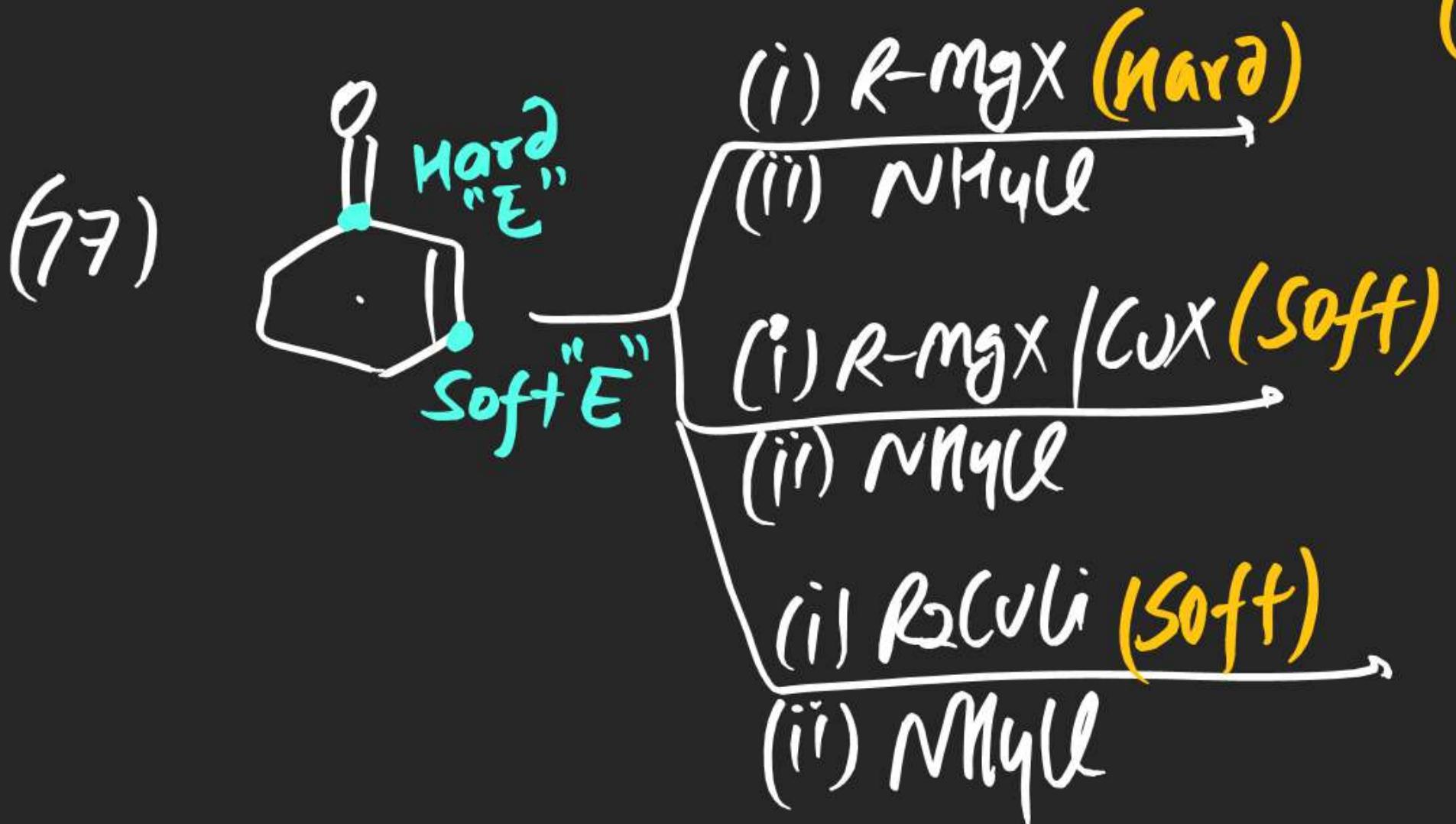
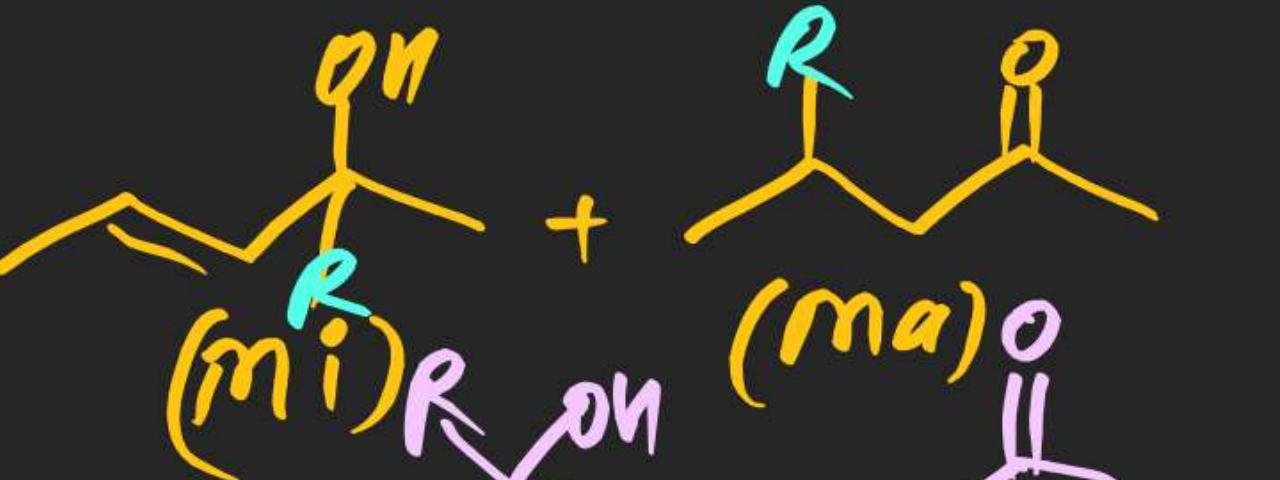


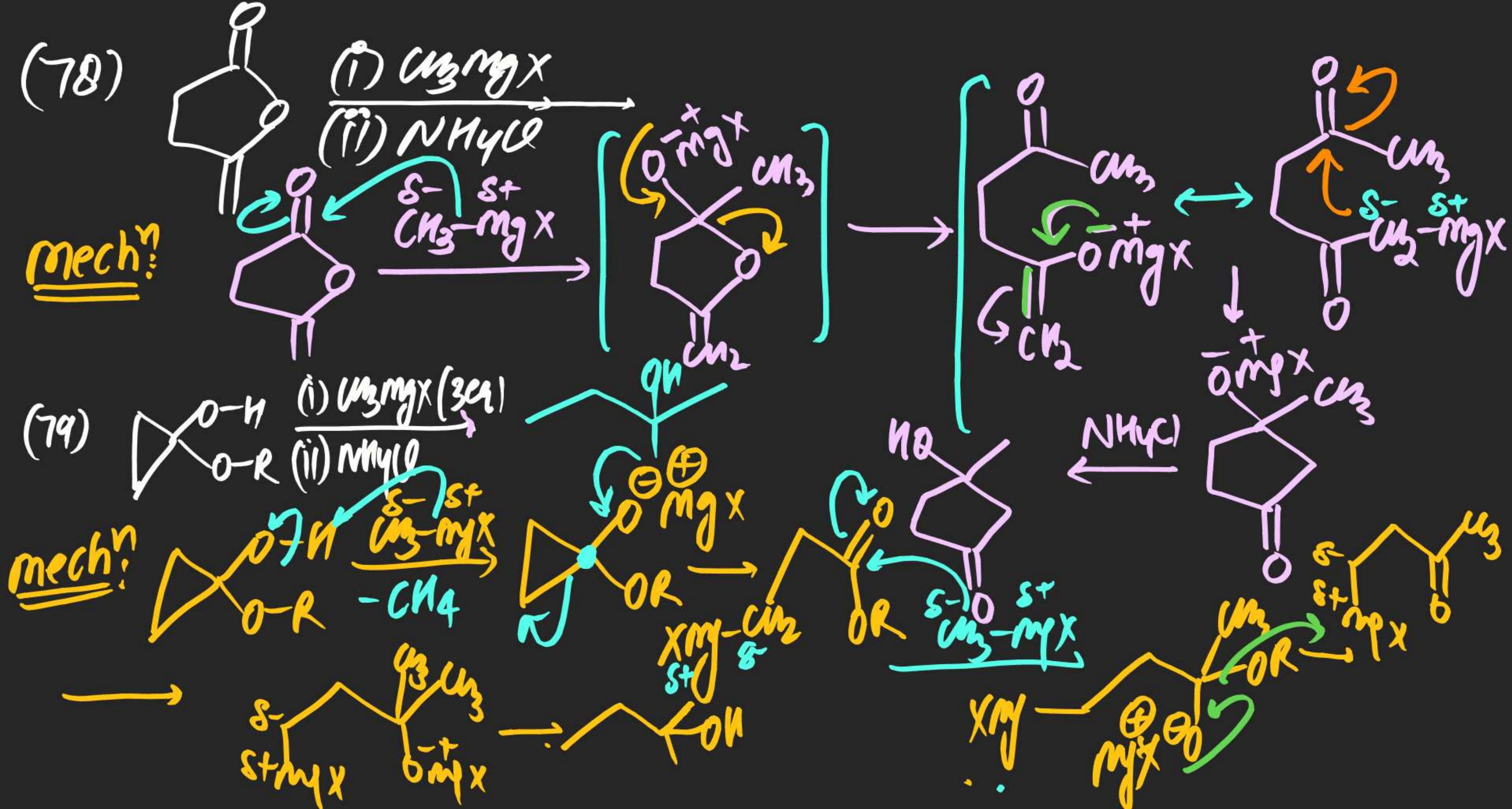






(H) Conjugate addition of GR:





\Rightarrow DIBAL OR DIBAL-H

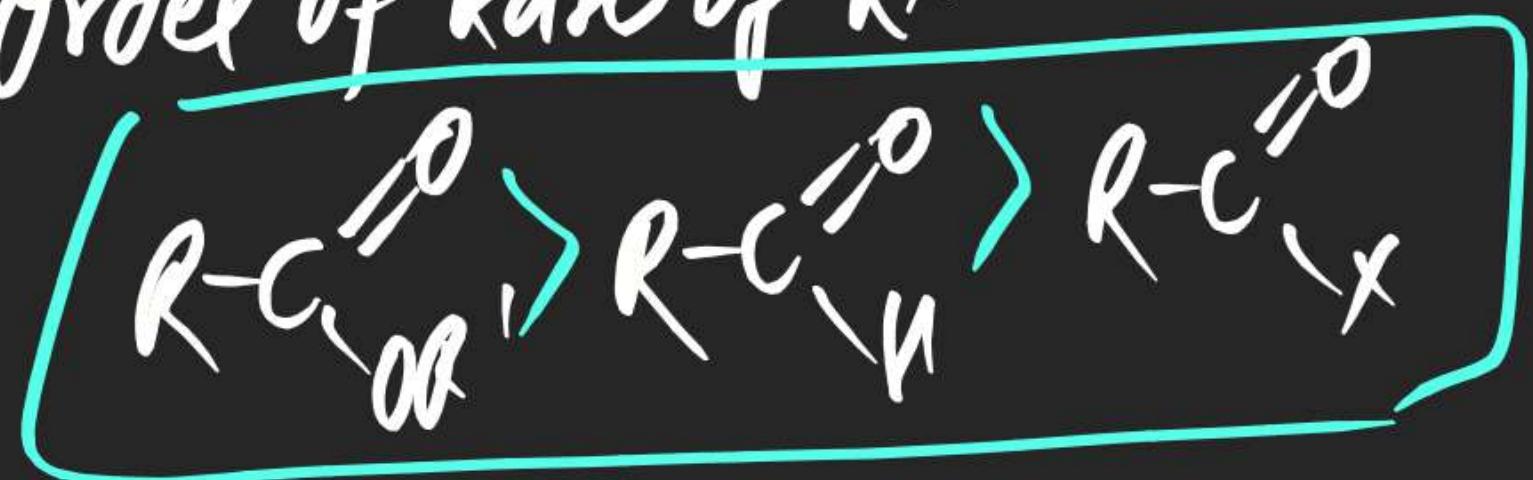
(*) Di Iso Butyl Aluminium Hydride



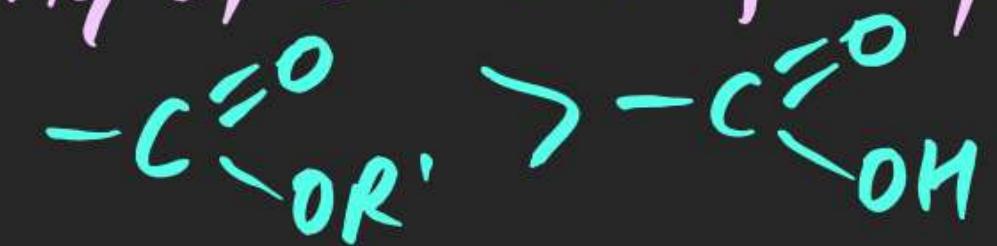
(*) Single Hydride donor.

(*) Electrophilic Reducing agent

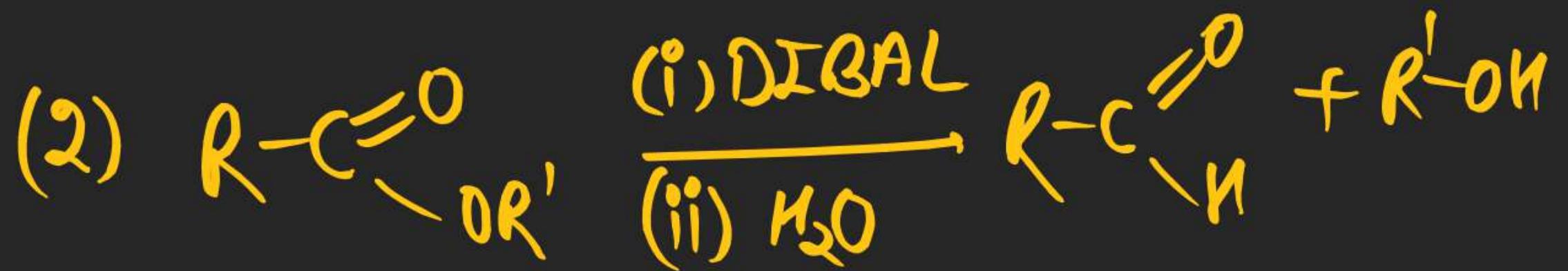
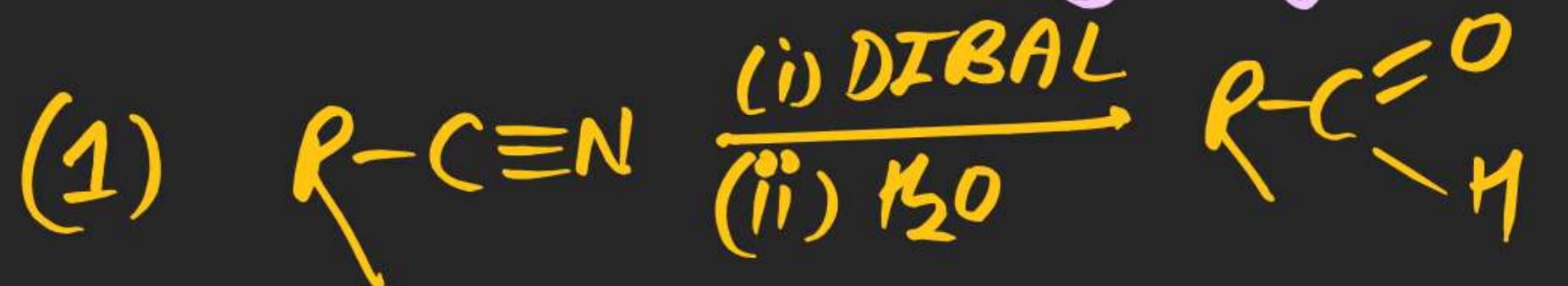
(m) Order of Rank of R^m

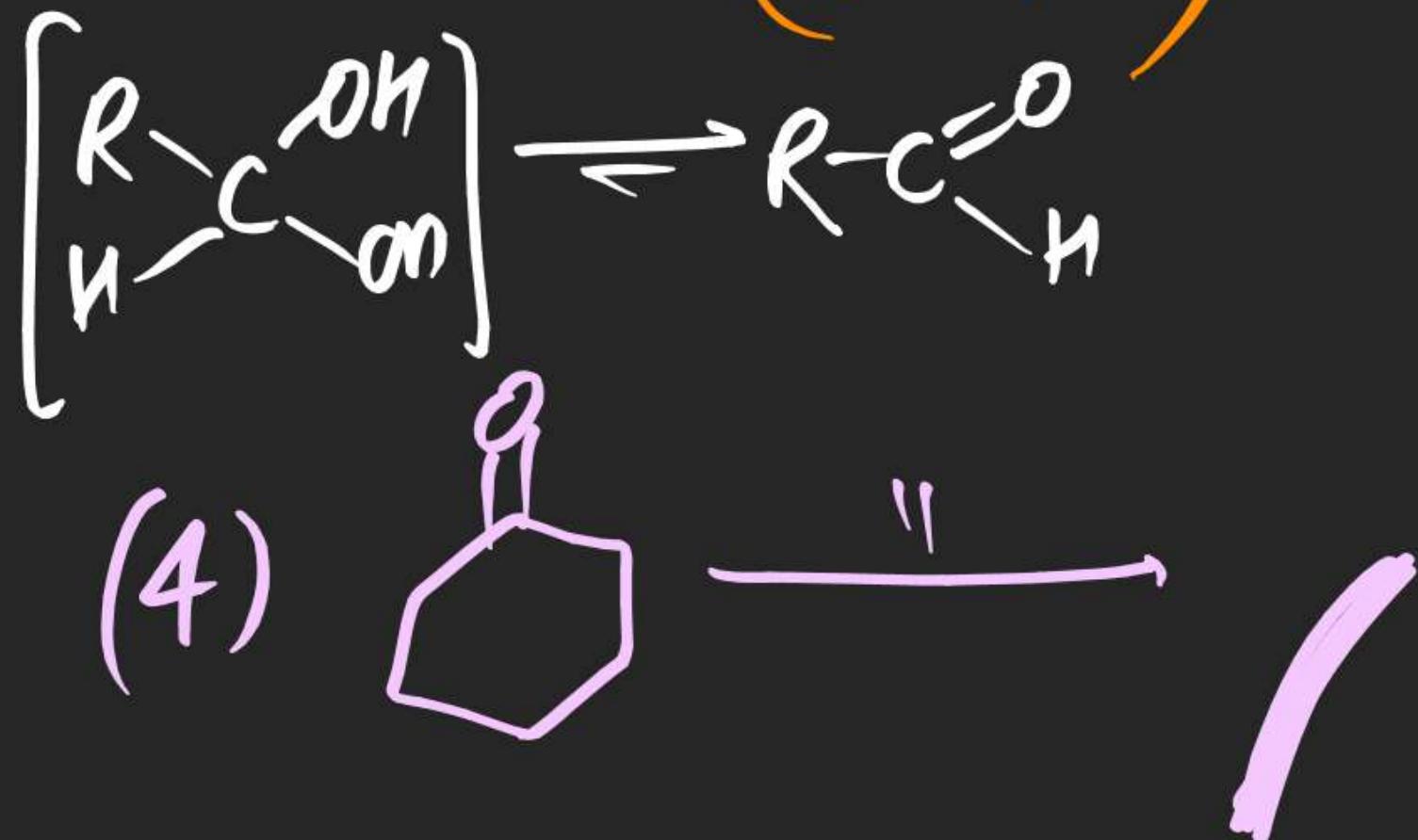
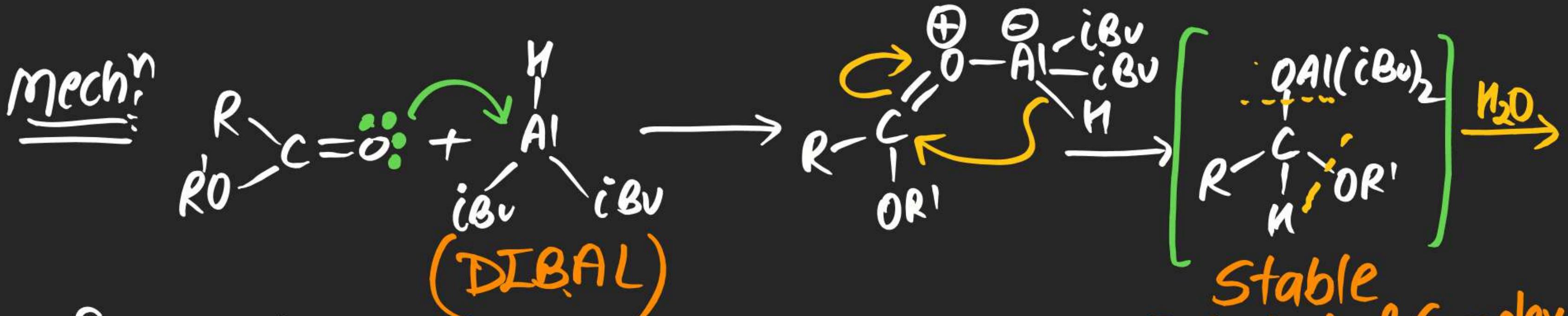


\Rightarrow Reactivity of DIBAL to following



\Rightarrow DIBAL-H Reduces only single step.





Stable
Tetrahedral Complex
(at -78°C)