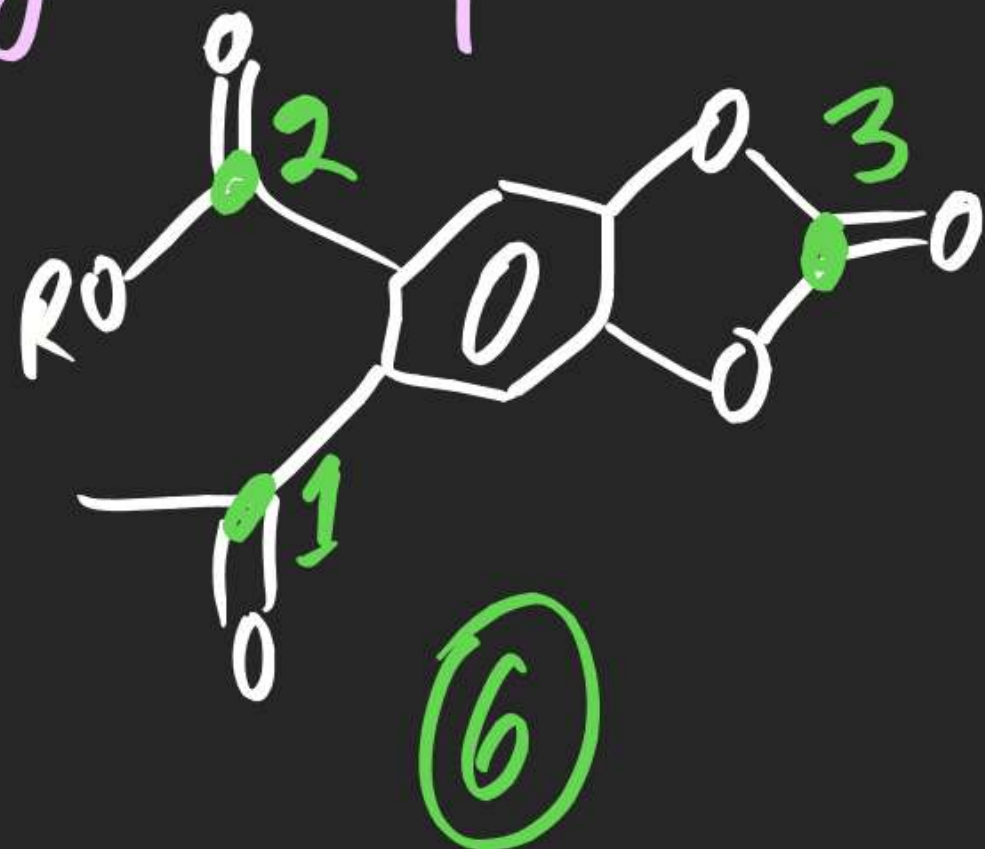
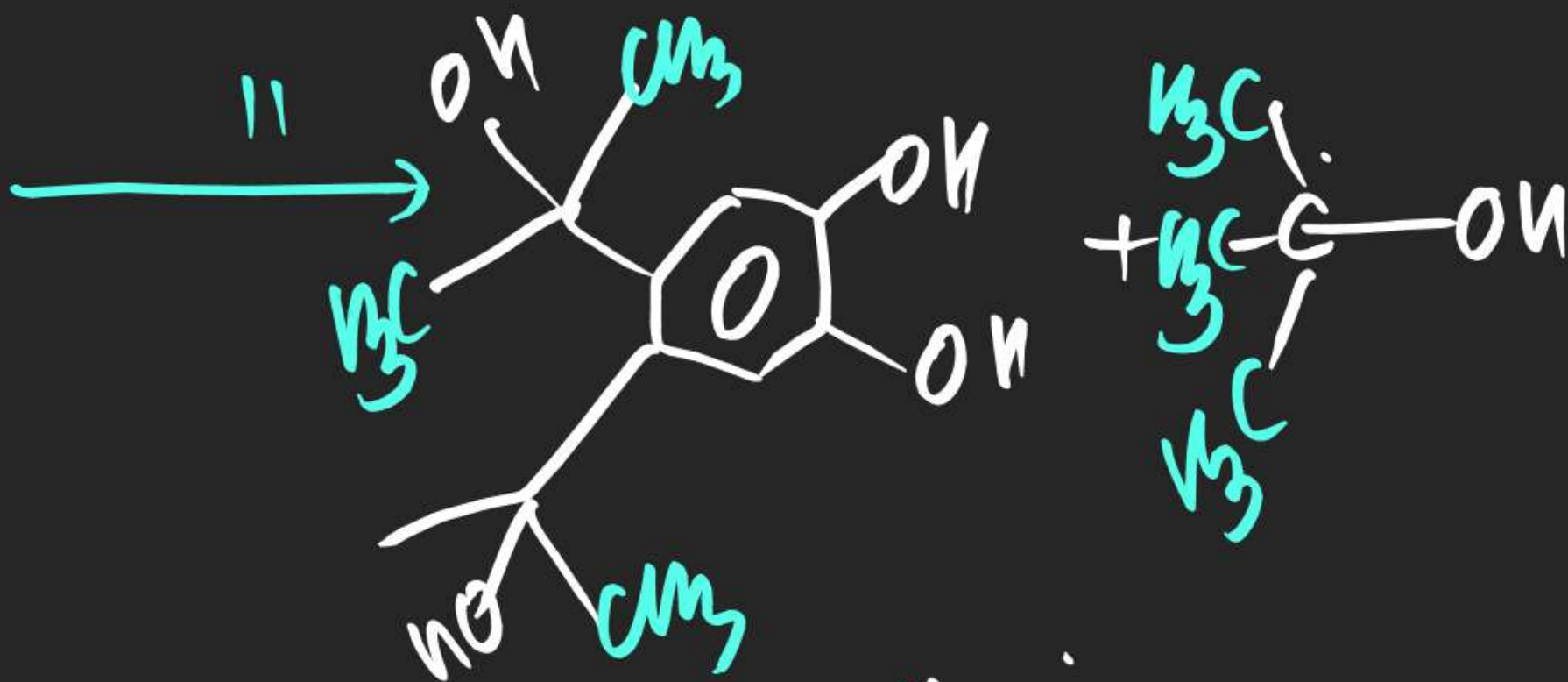
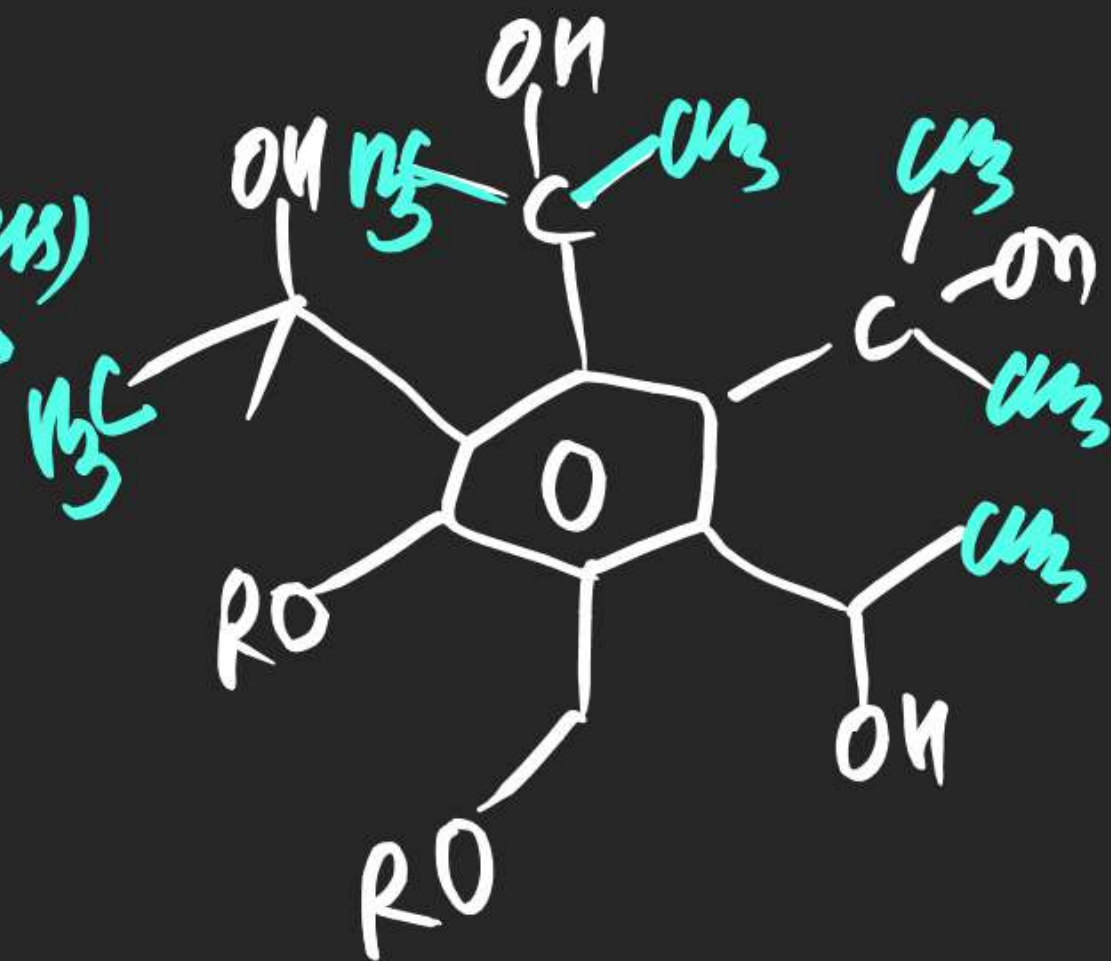


6 mole
Grignard Reagent



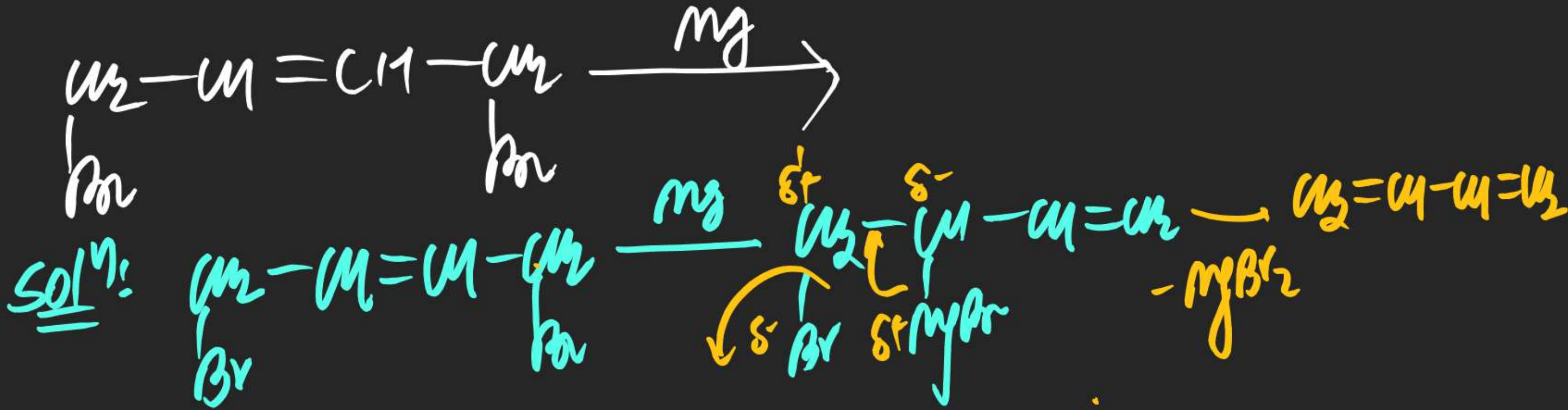
(i) $\text{CH}_3\text{-MgCl}$ (Excess)
(ii) NH_4Cl

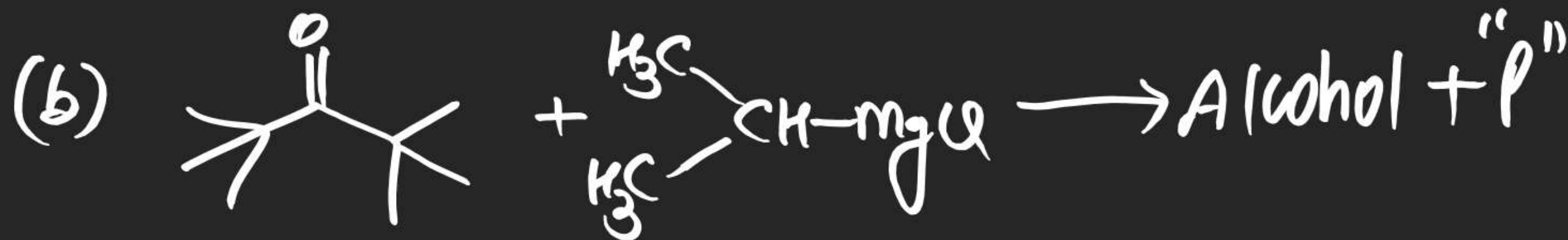
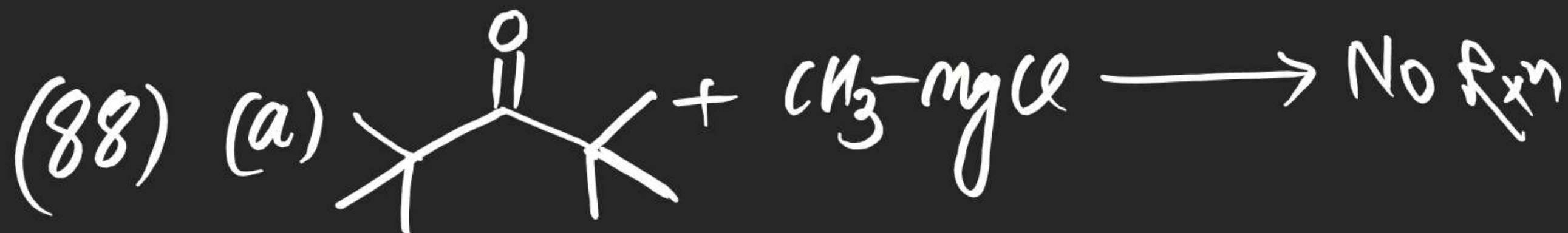
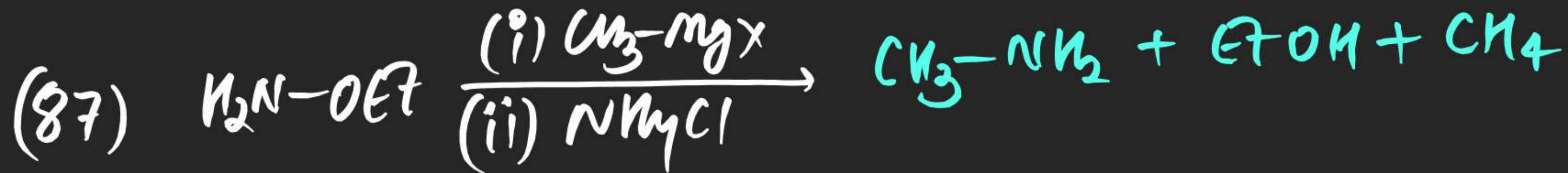


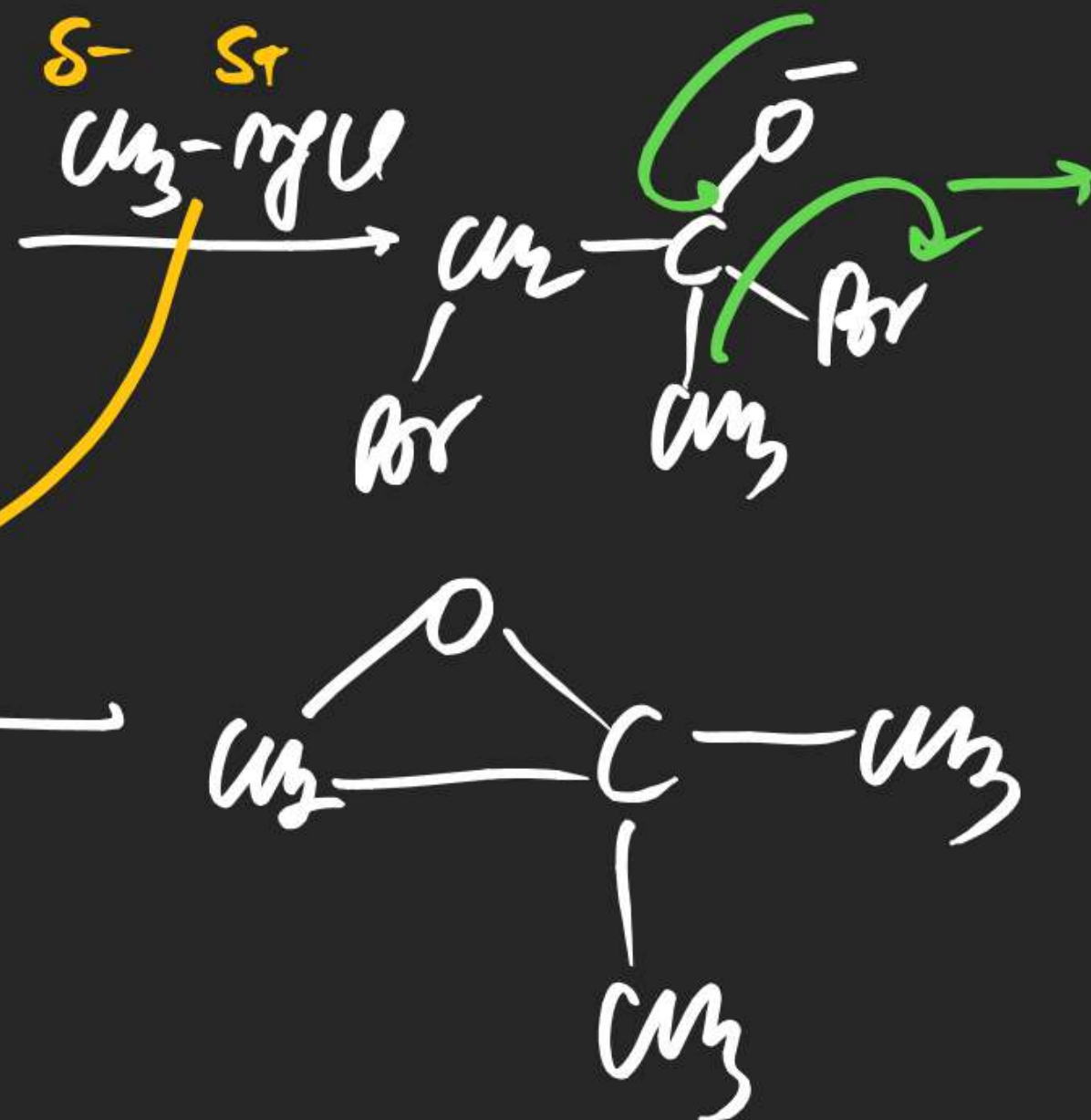
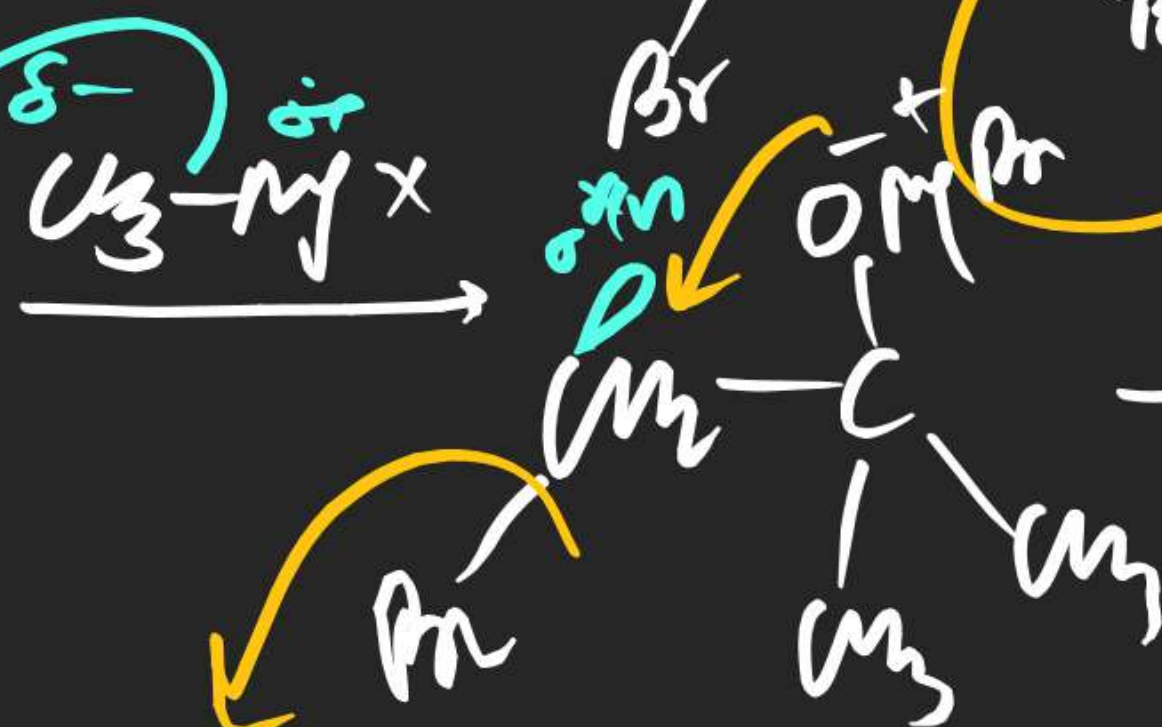
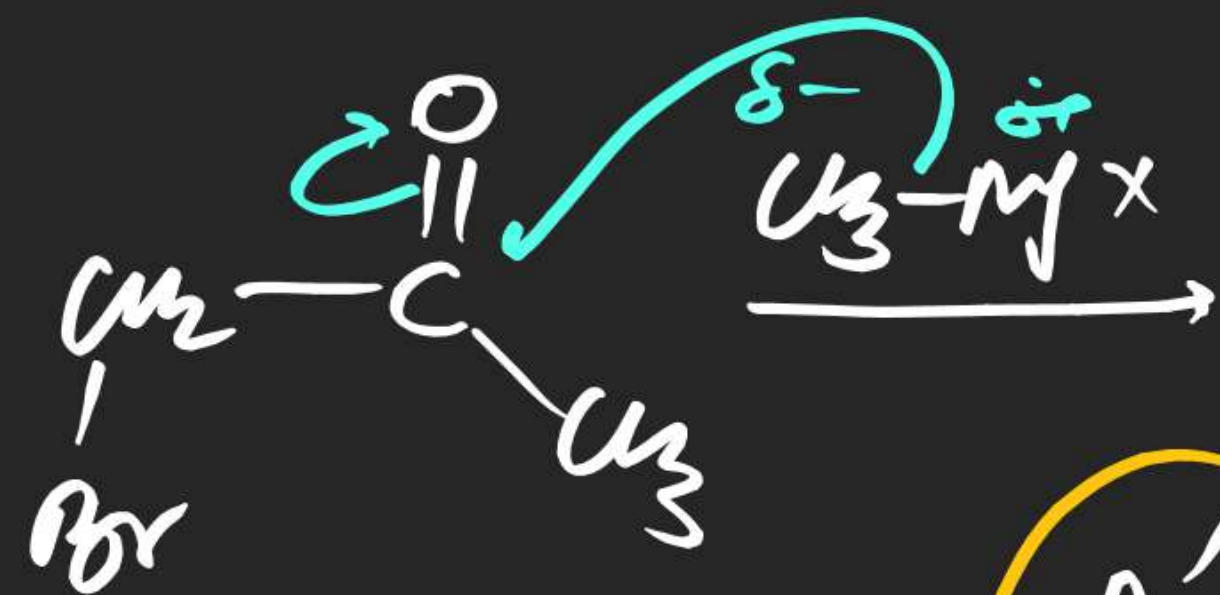
(84)



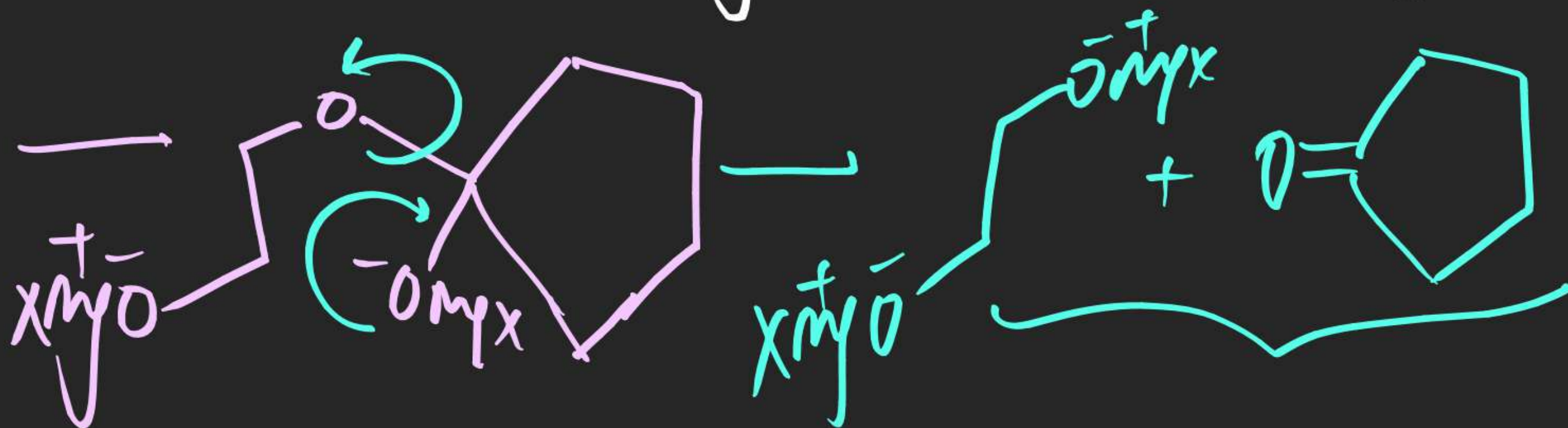
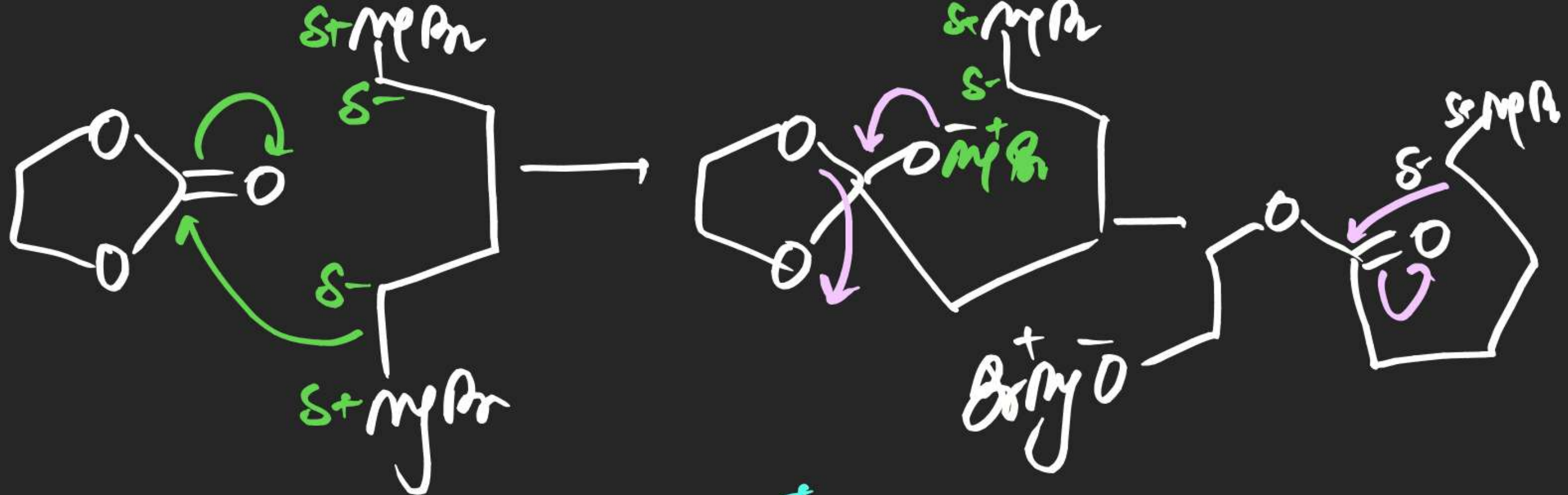
(85)







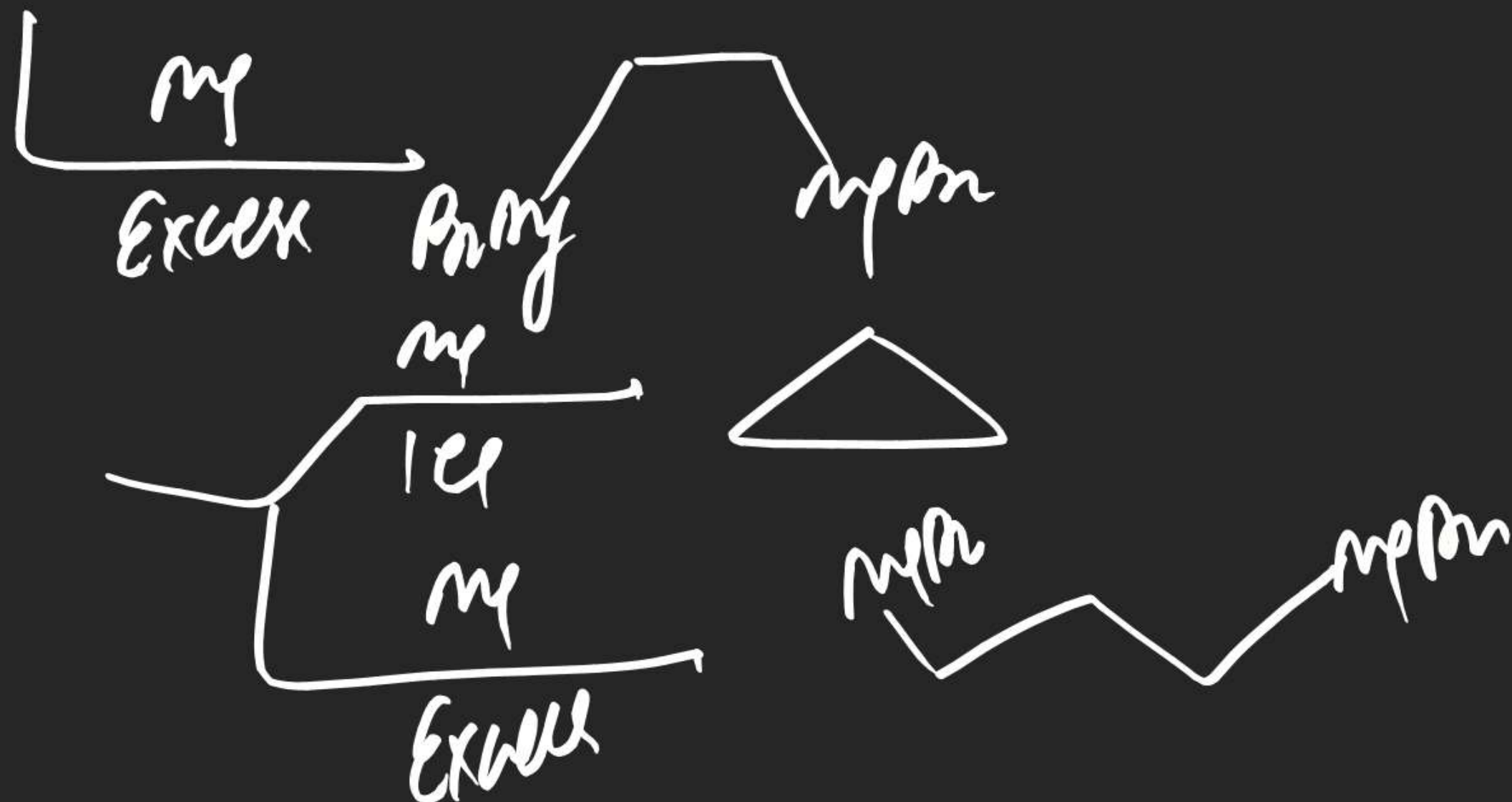
(81)



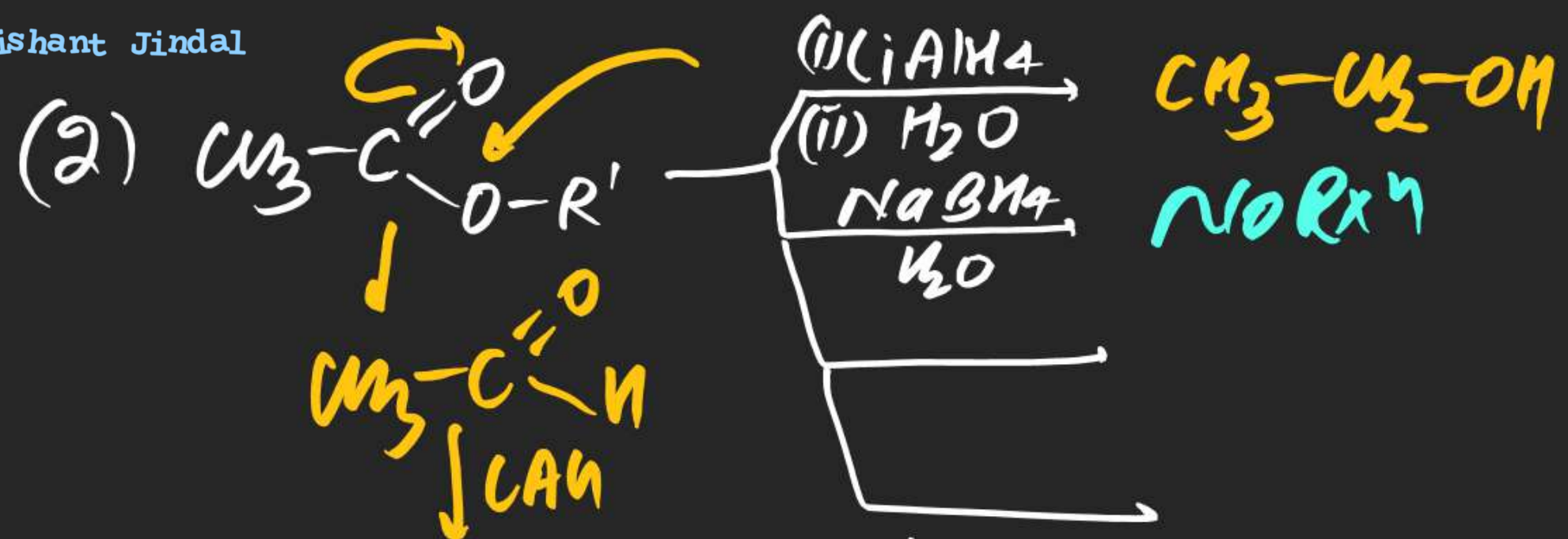
(82)

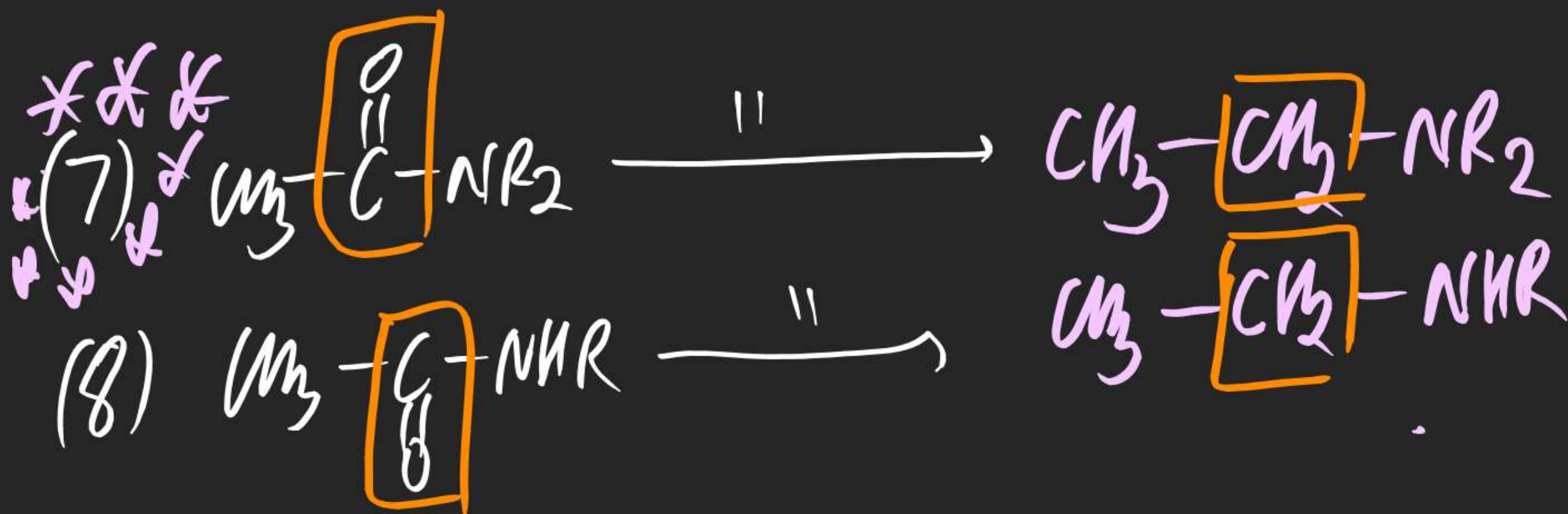
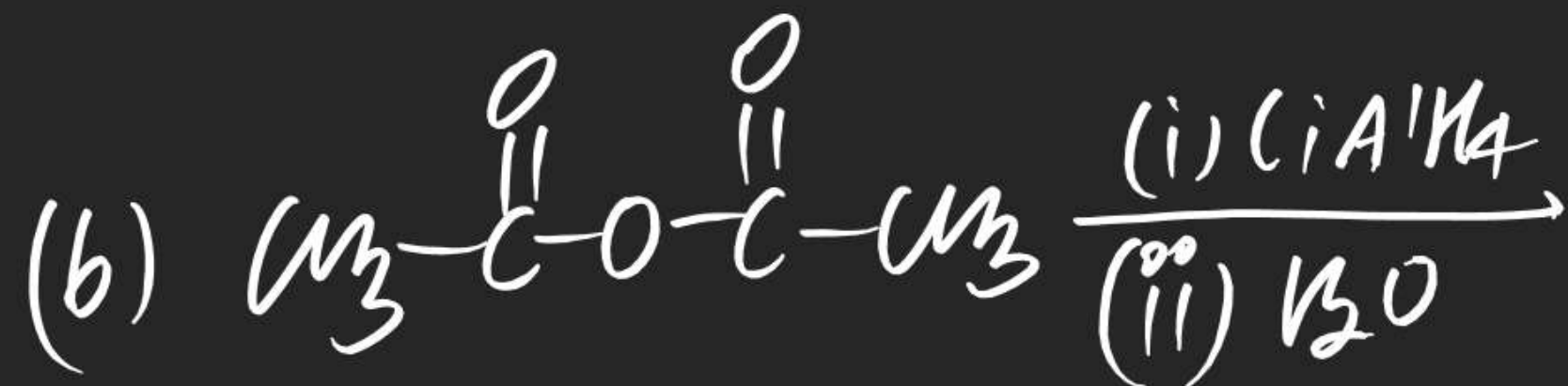
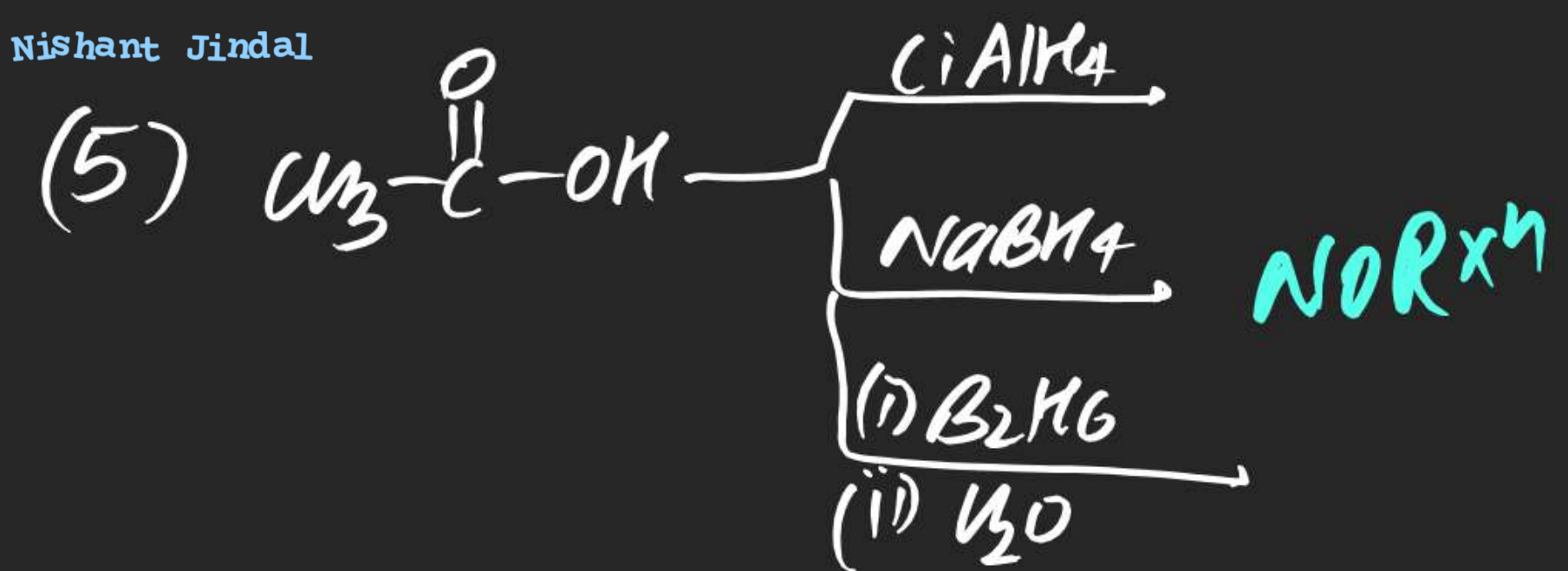


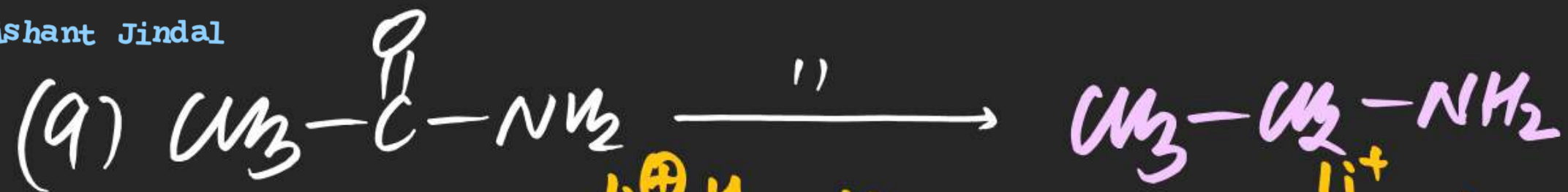
(83)



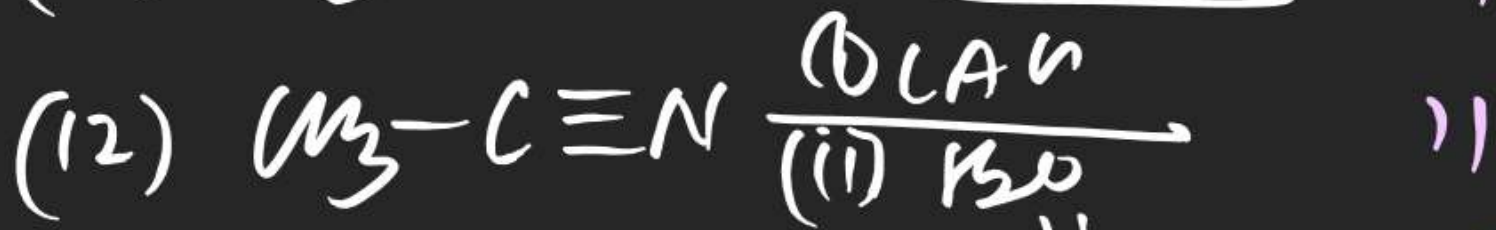
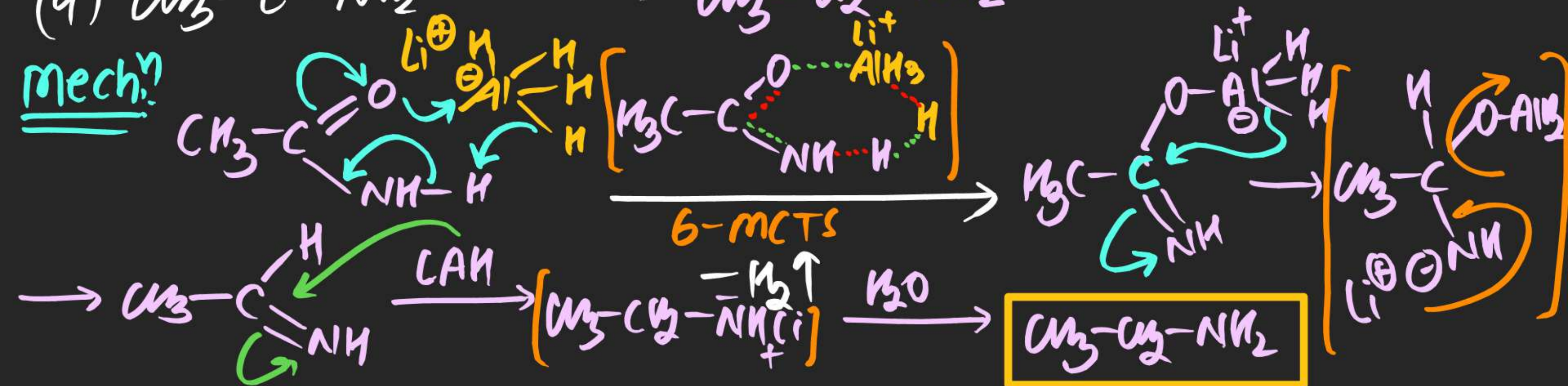




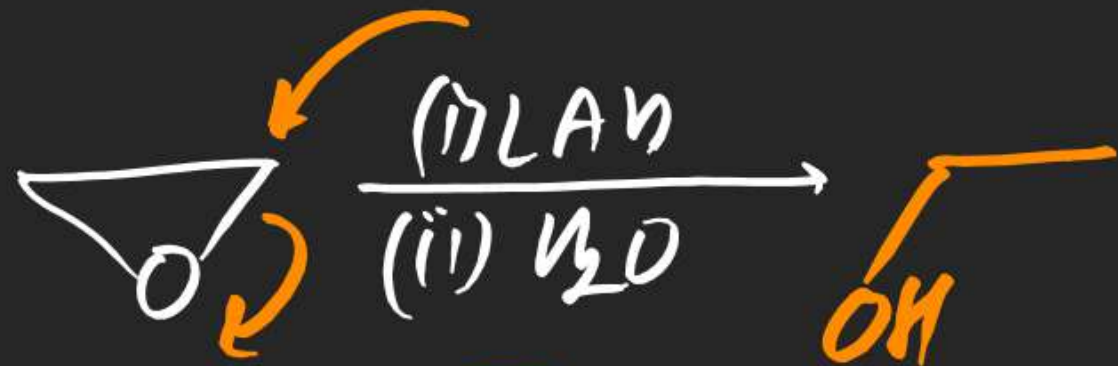




mechⁿ



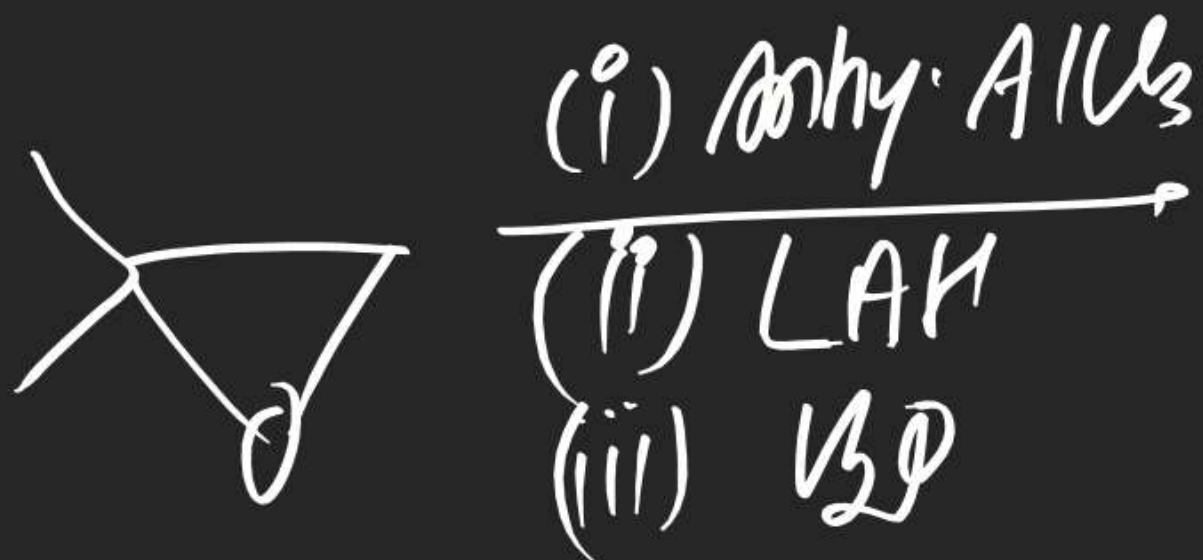
(14)



(15)



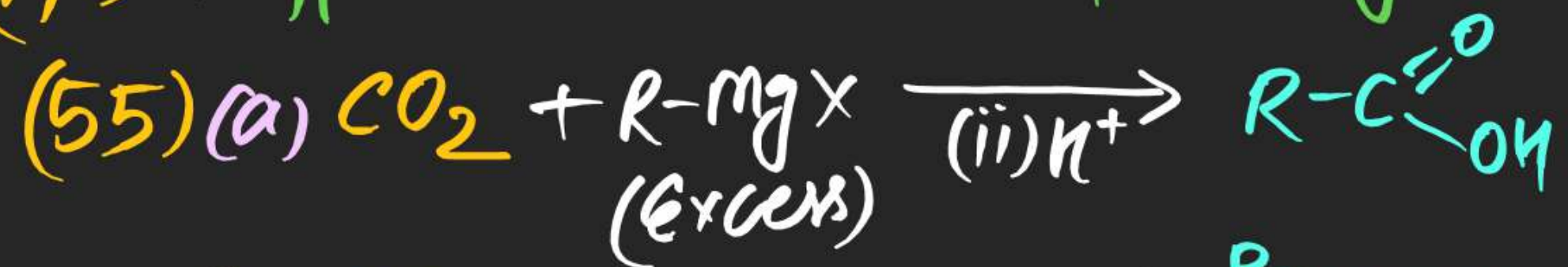
(16)



(17)

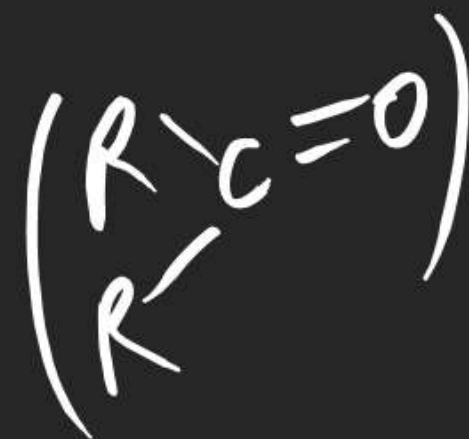


(#) difference b/w Reactivity of $R-MgX$ & RLi

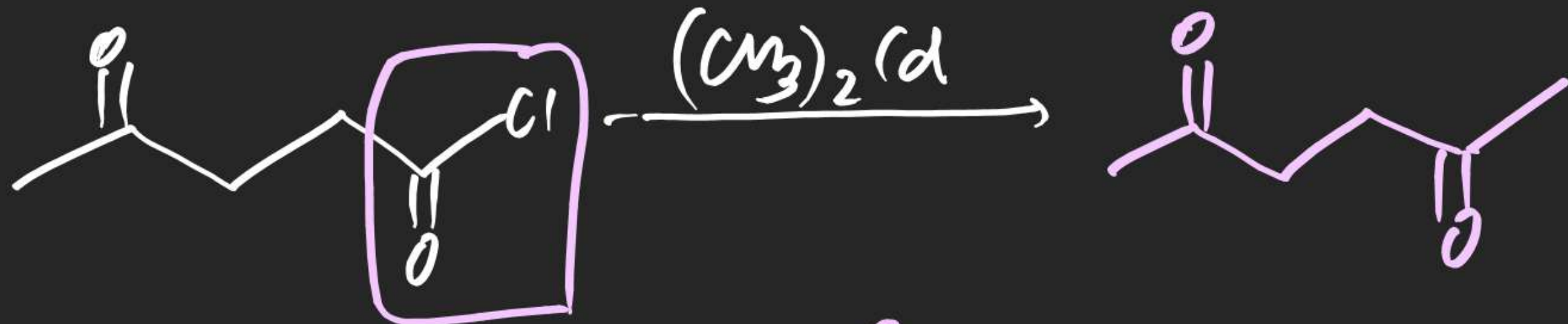


m. Imp
Note

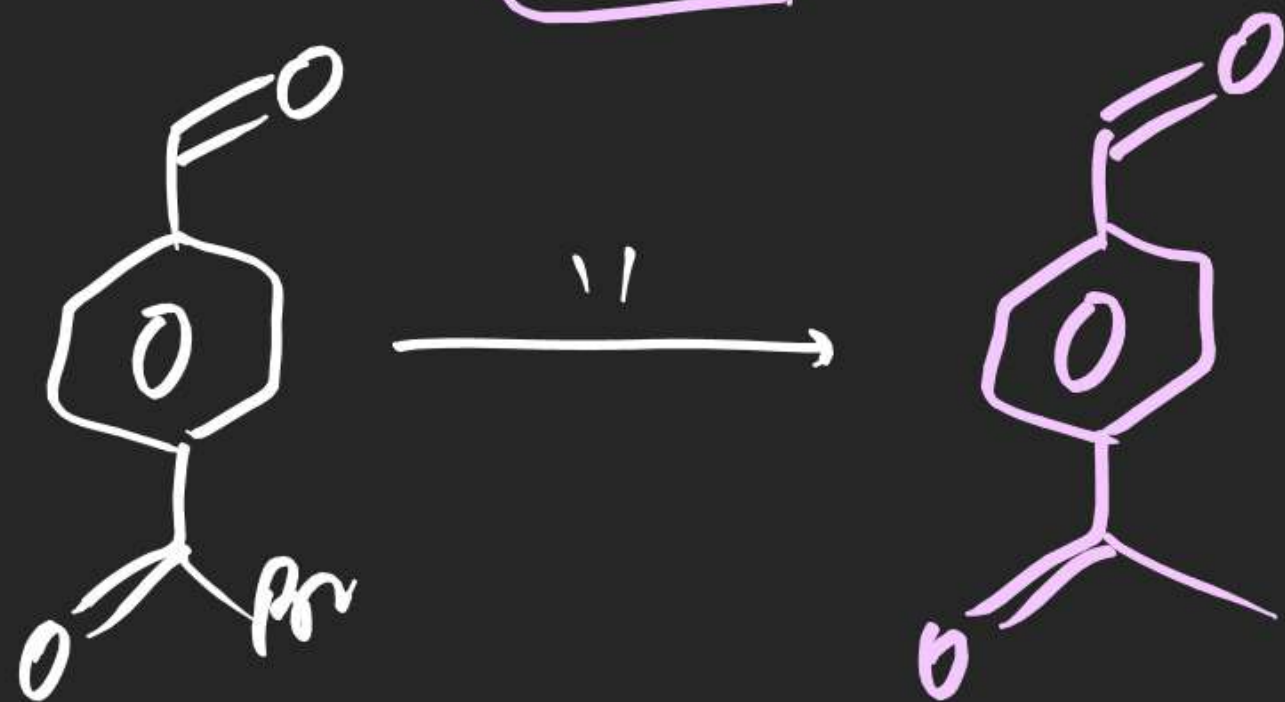
R_2Cd is less reactive & reacts only with Acid halide.



(56)



(57)

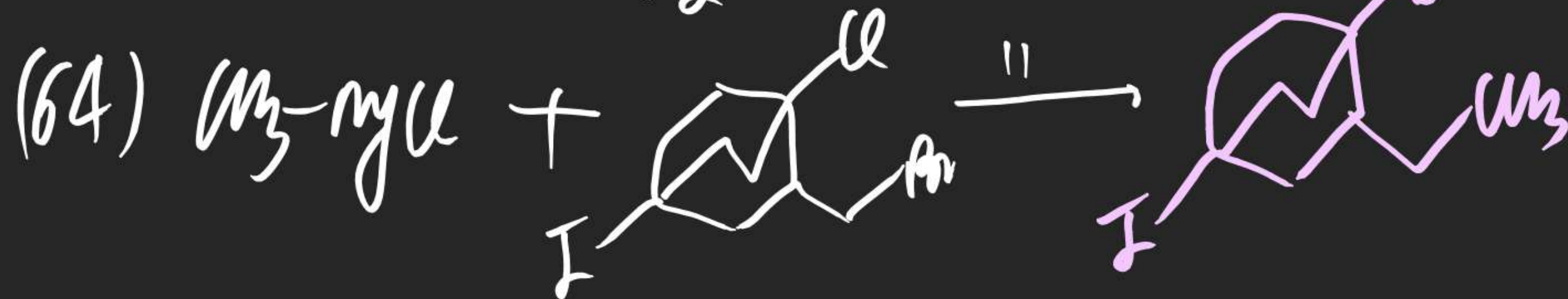
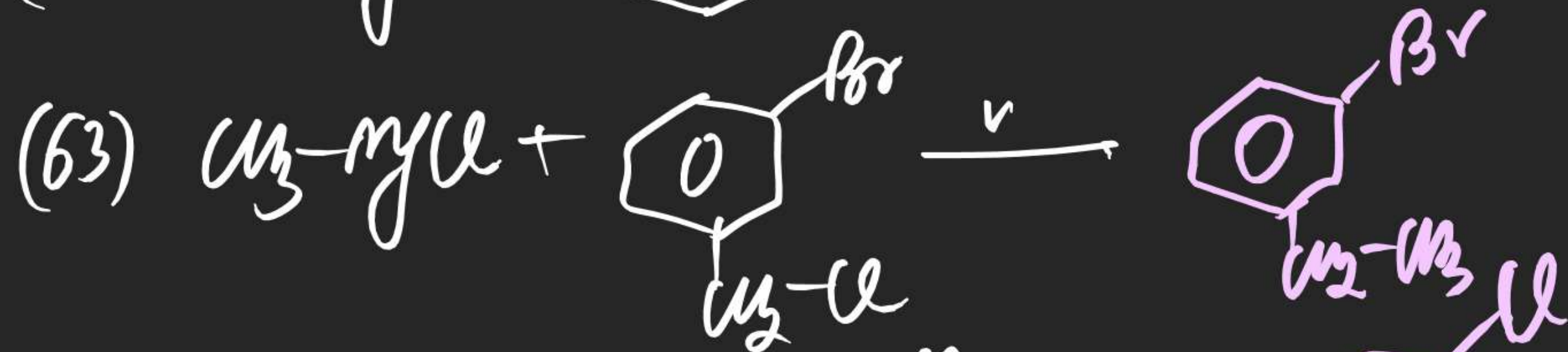


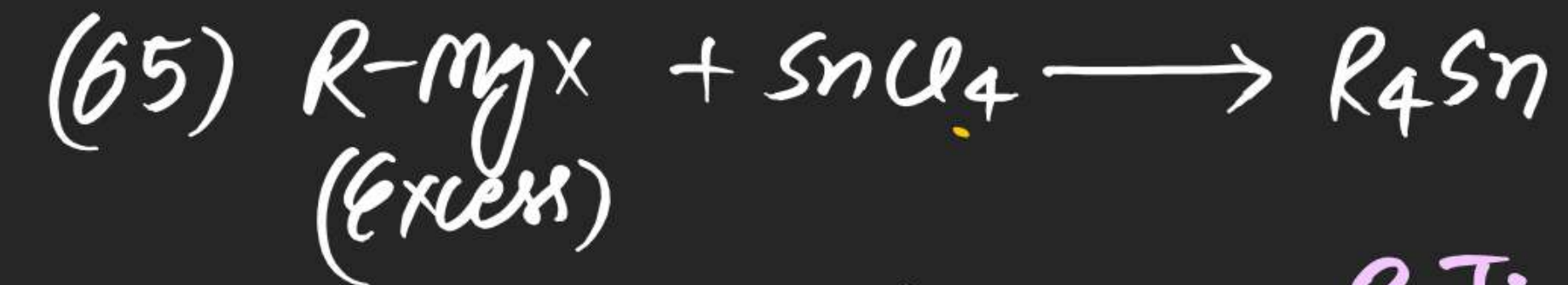
(58)

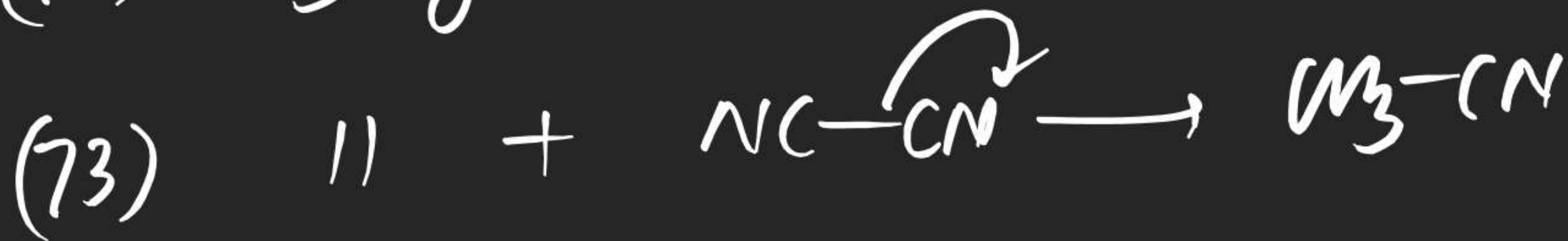
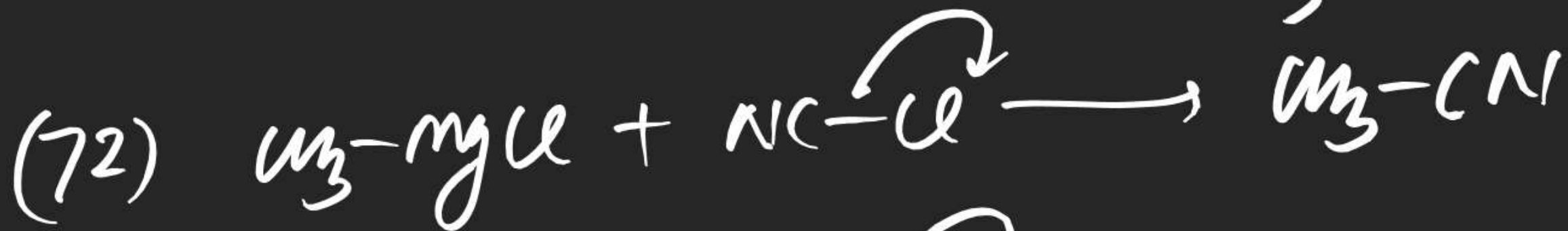


(59)

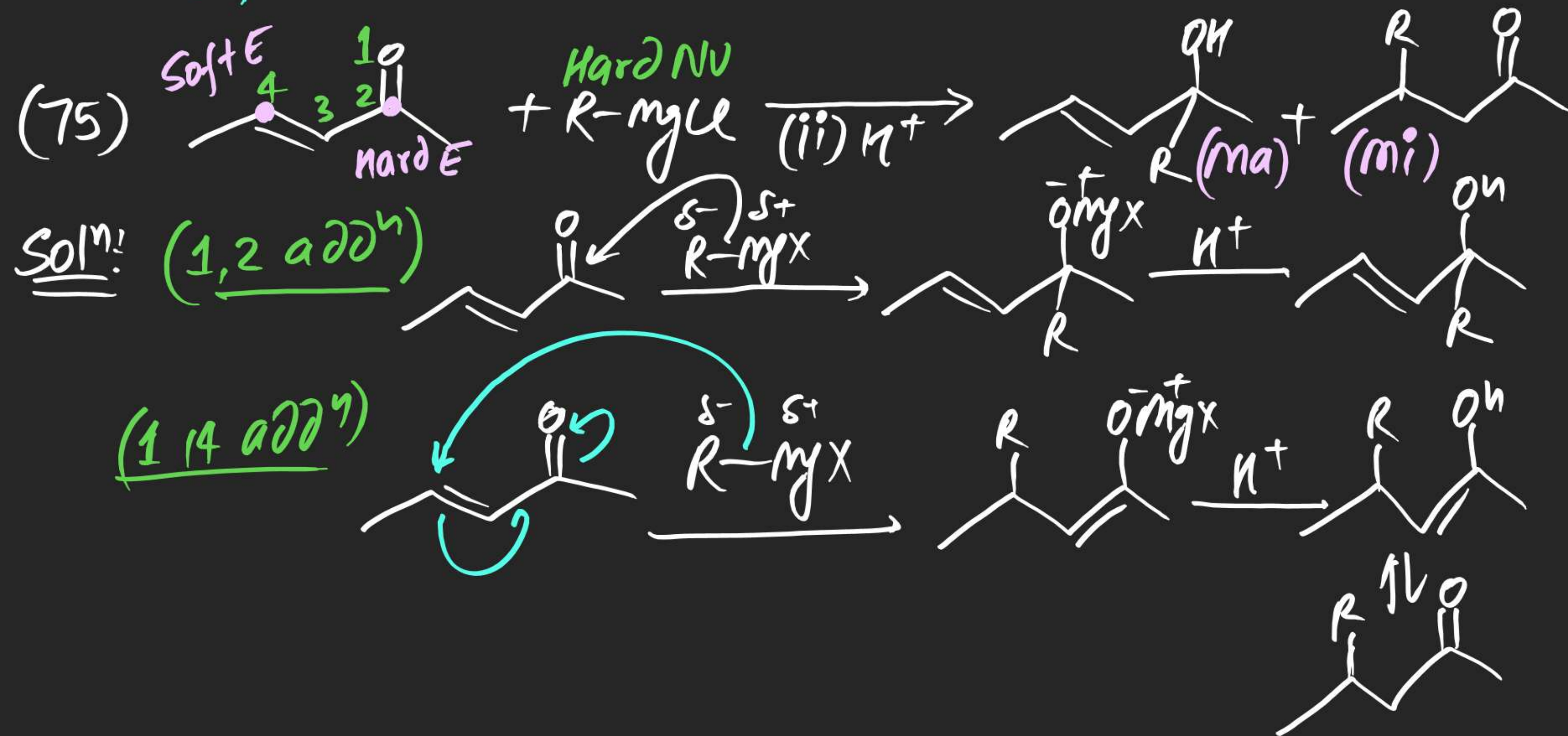


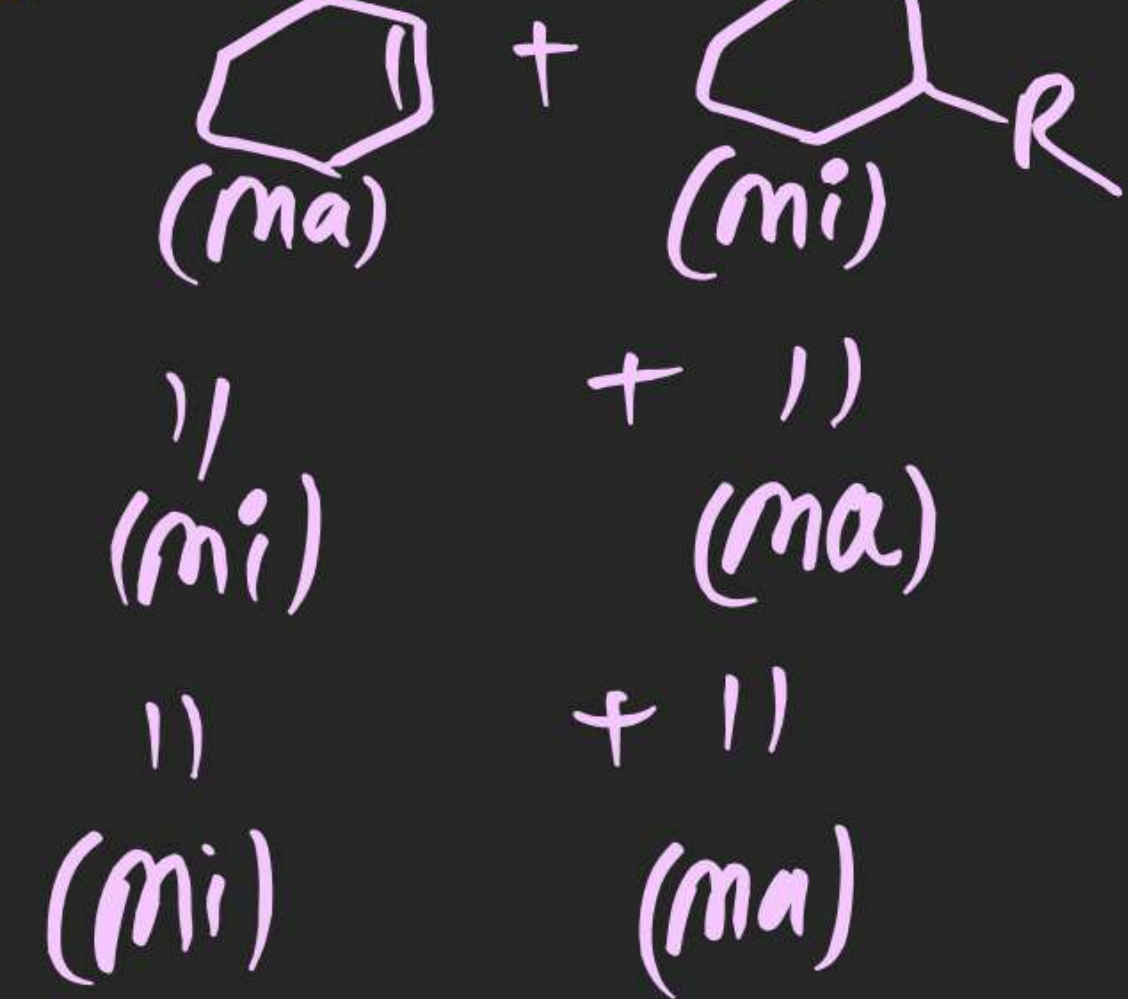
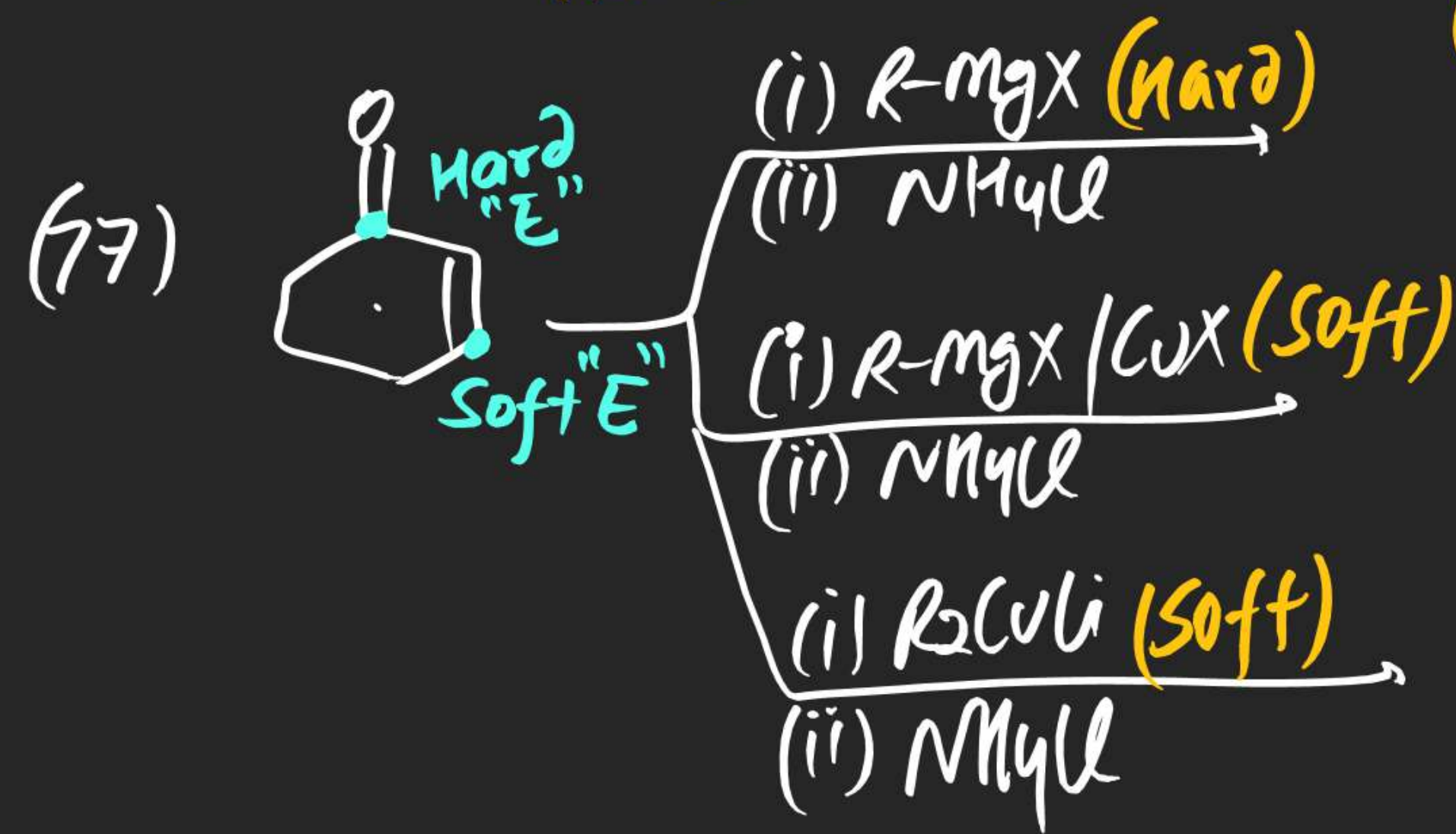
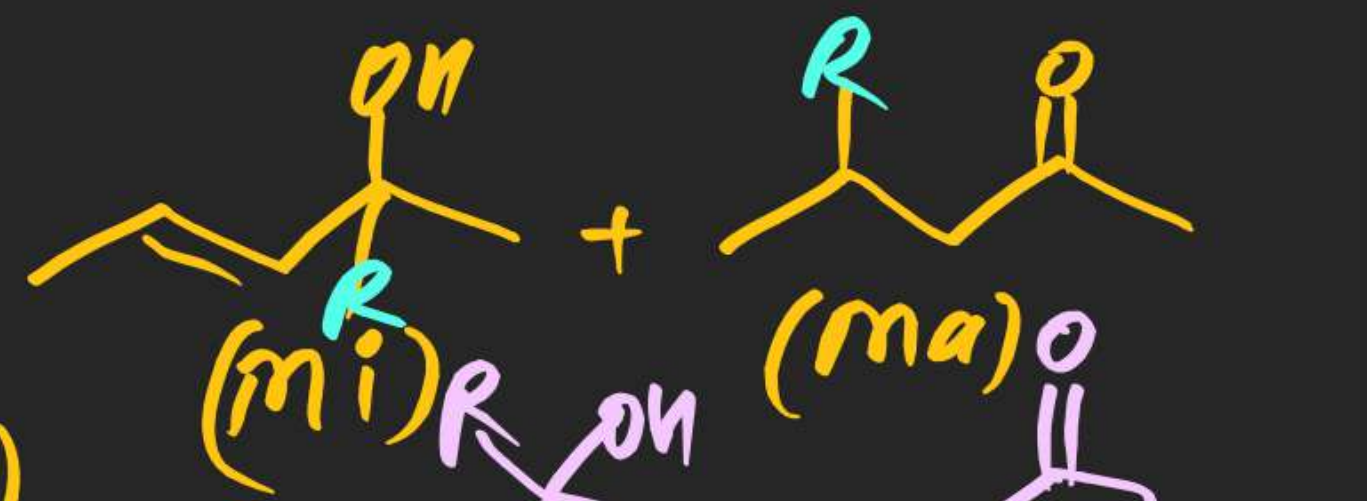


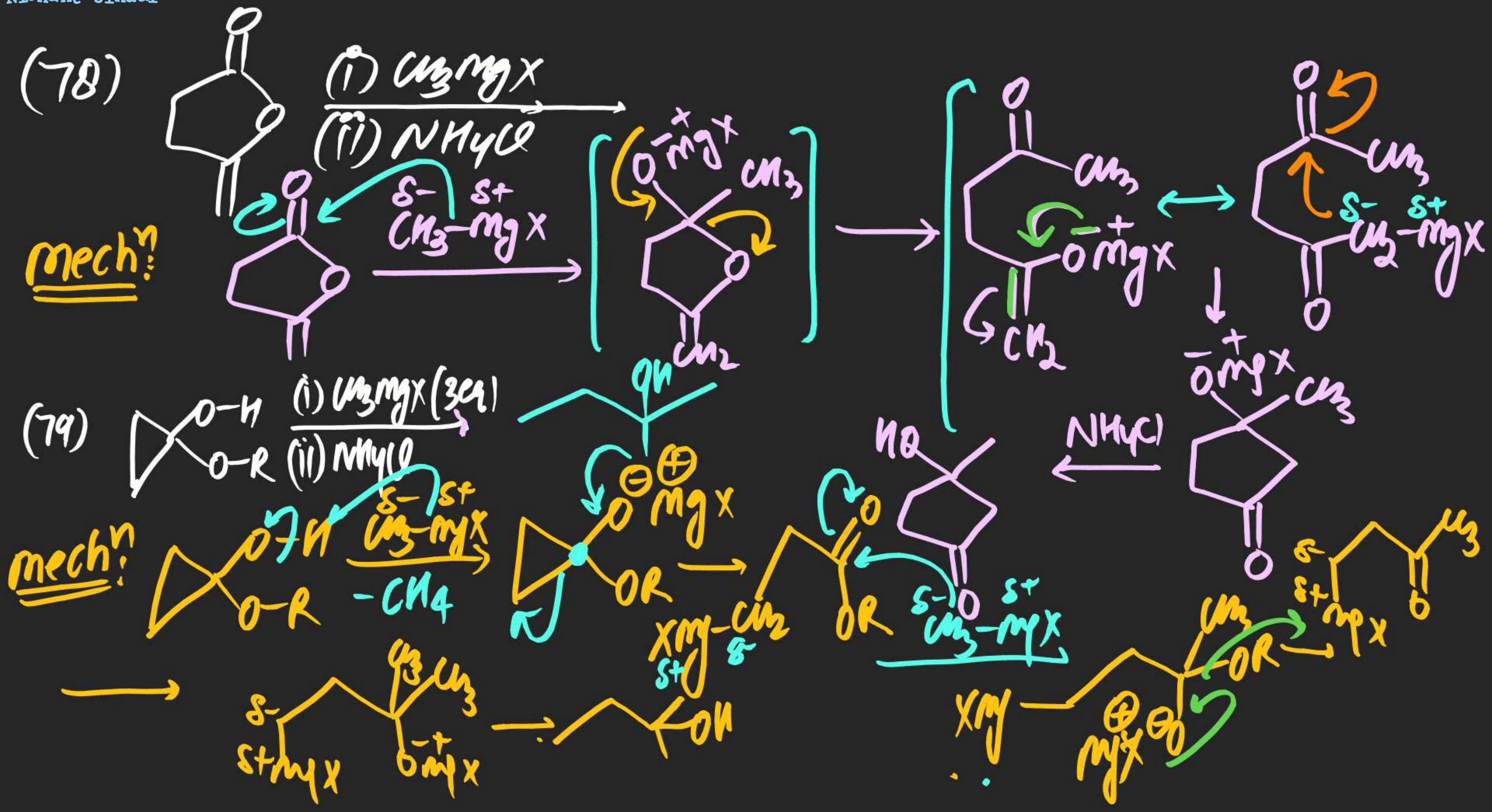




(H) Conjugate addⁿ of GR:







⇒ DIBAL OR DIBAL-H

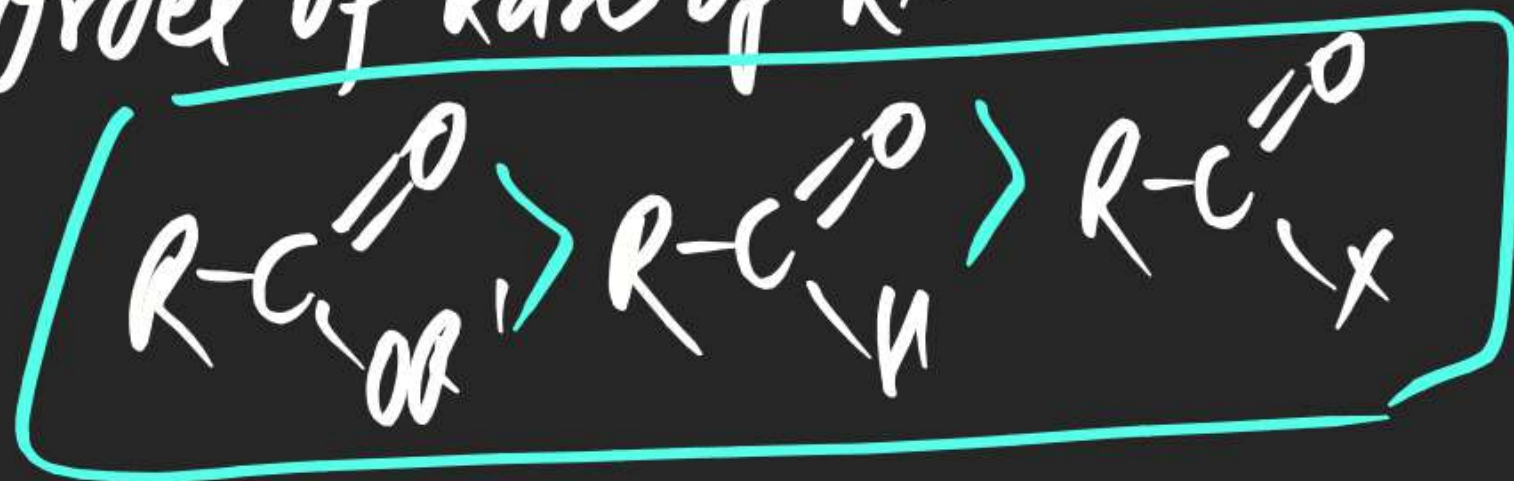
(*) Di Iso Butyl Aluminium hydride



(*) Single Hydride donor.

(*) Electrophilic Reducing agent

(*) Order of Rate of Rxn



⇒ Reactivity of DIBAL for following
 $\text{-C}(=\text{O})\text{OR}' > \text{-C}(=\text{O})\text{OH}$

⇒ DIBAL-H Reduces only single step.

