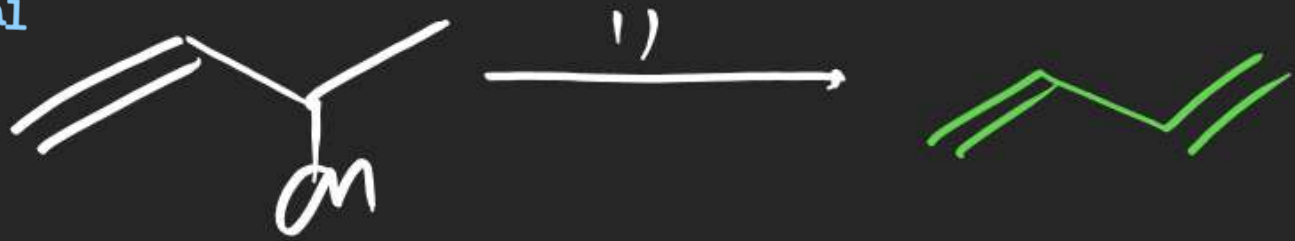
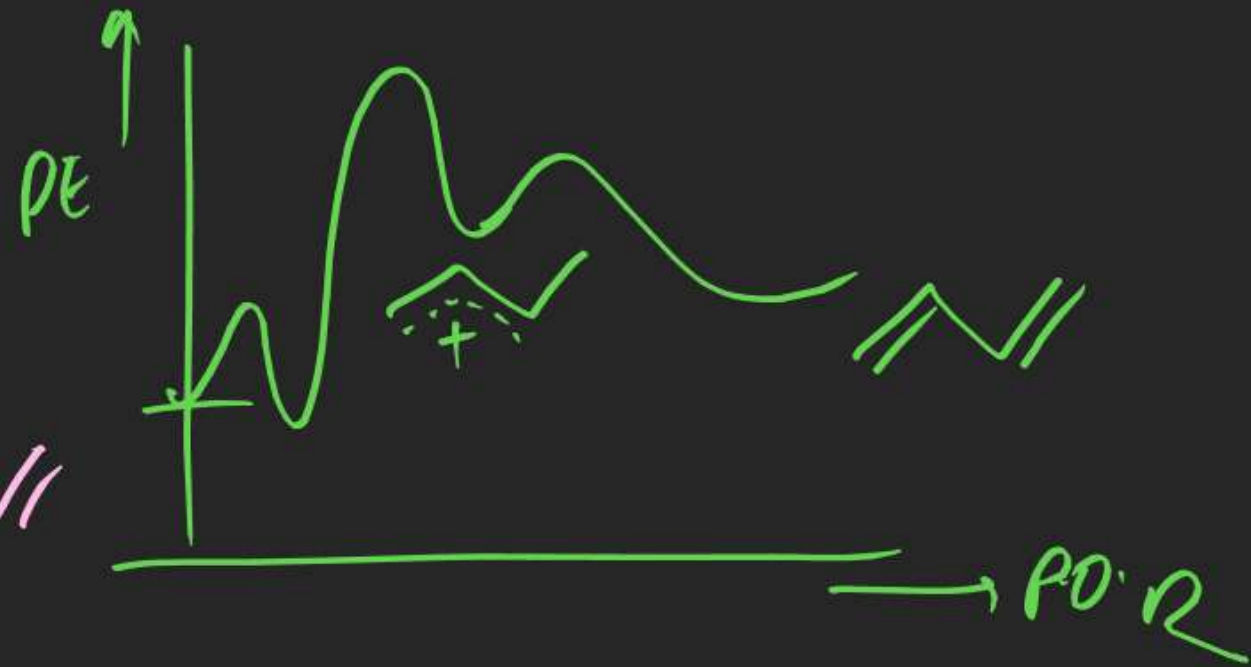


(11)



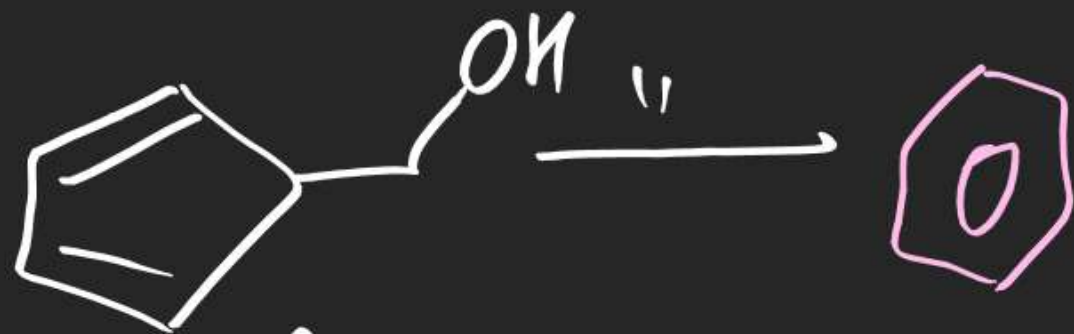
(12)



(13)

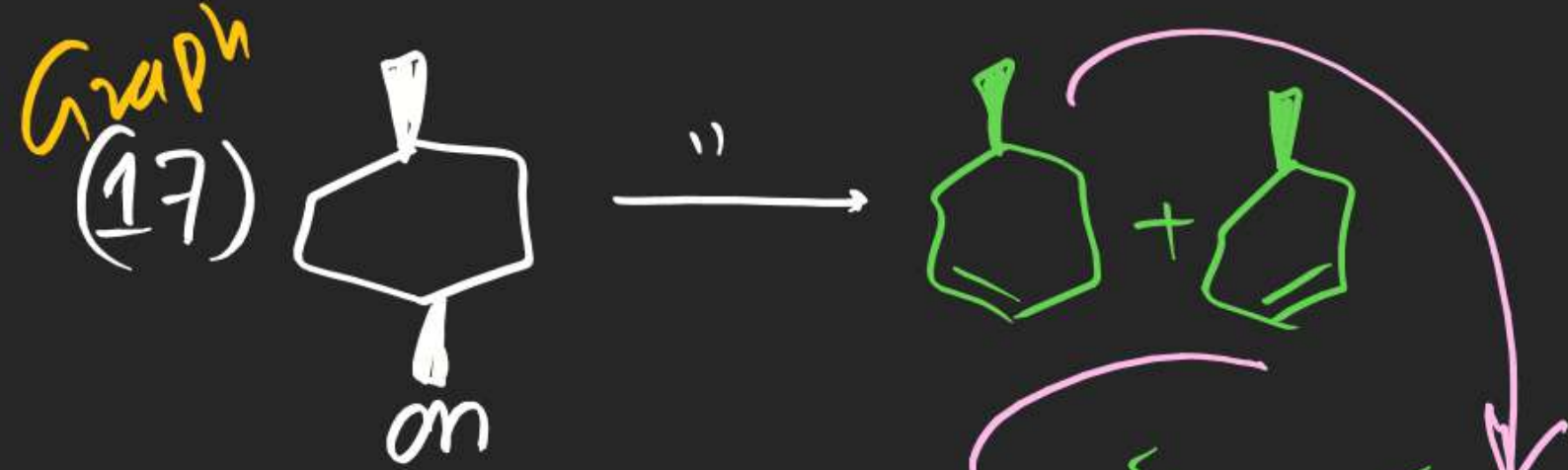
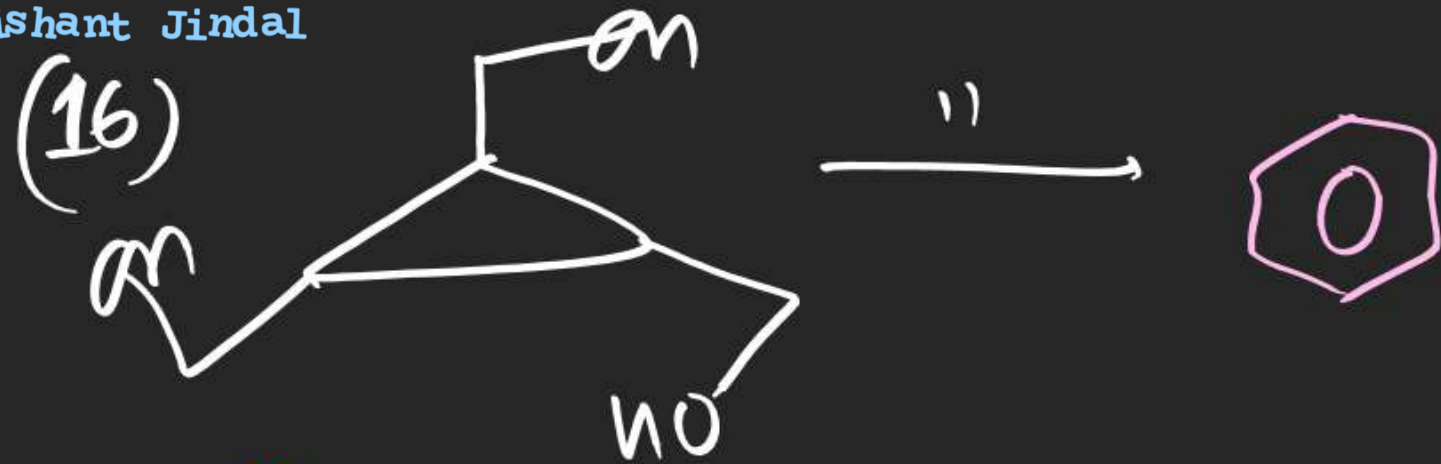


(14)

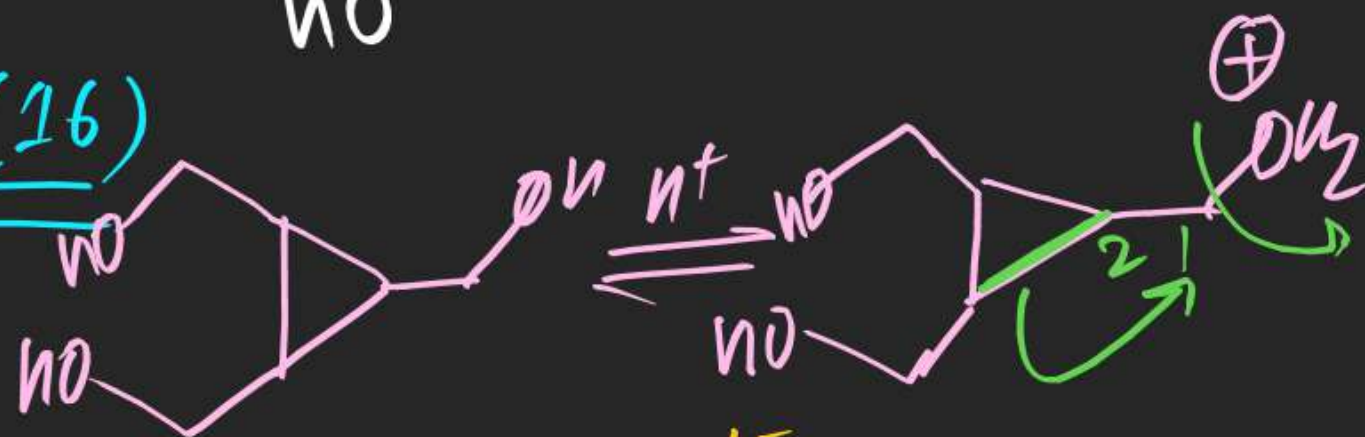


(15)

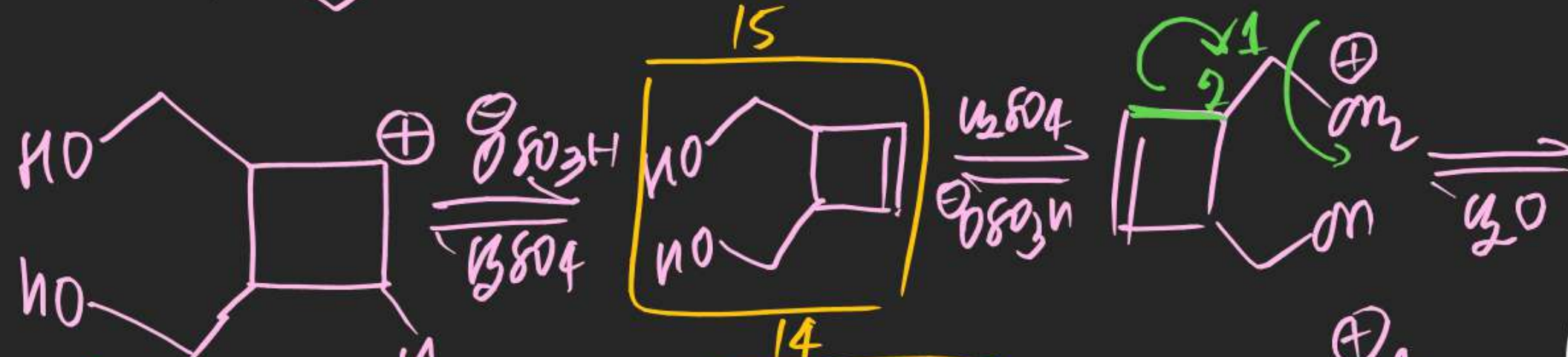




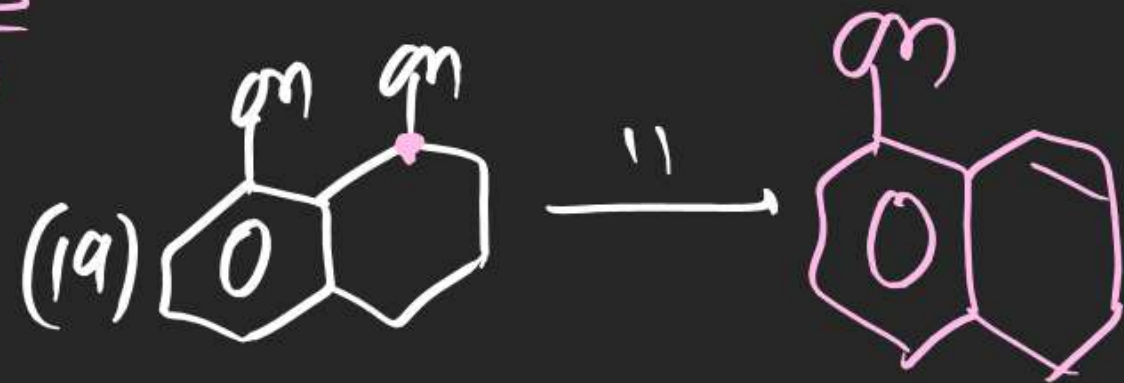
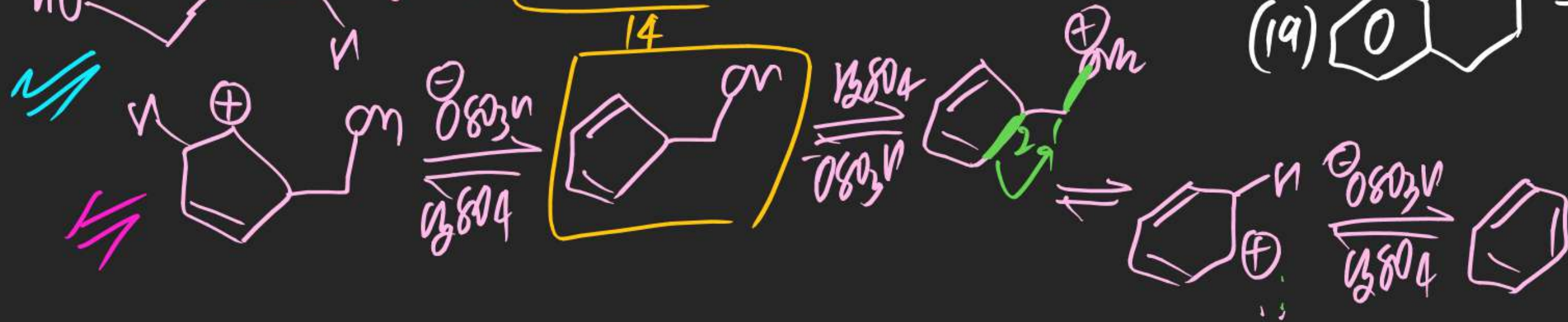
mechⁿ(16)

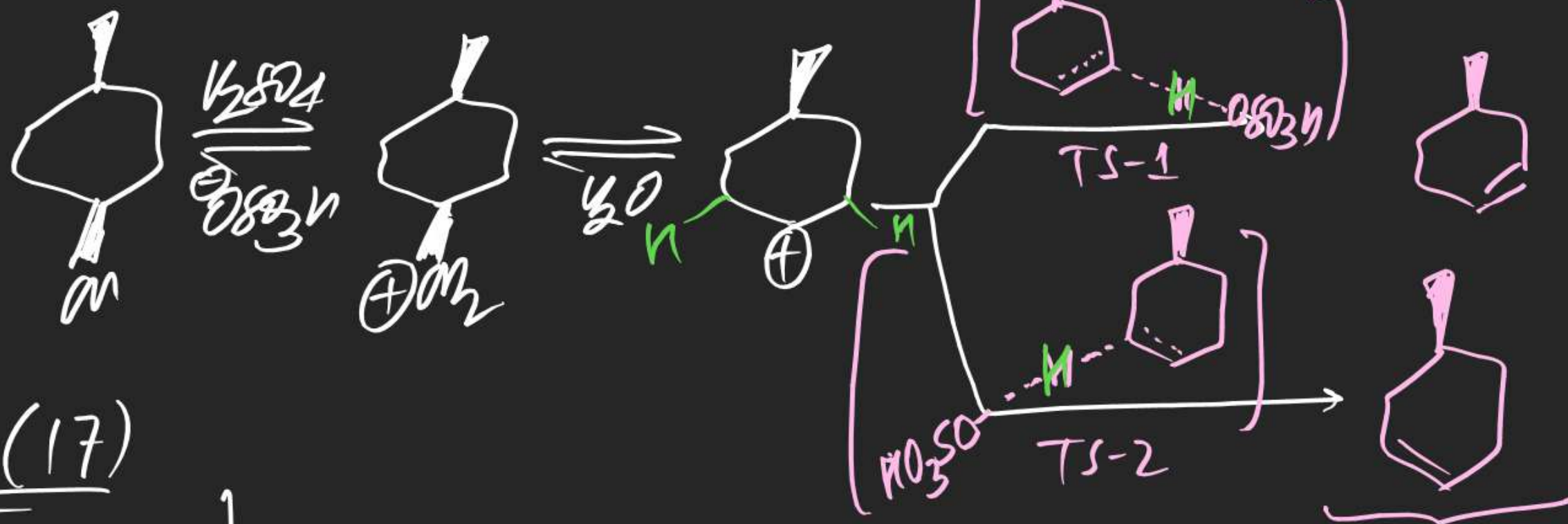
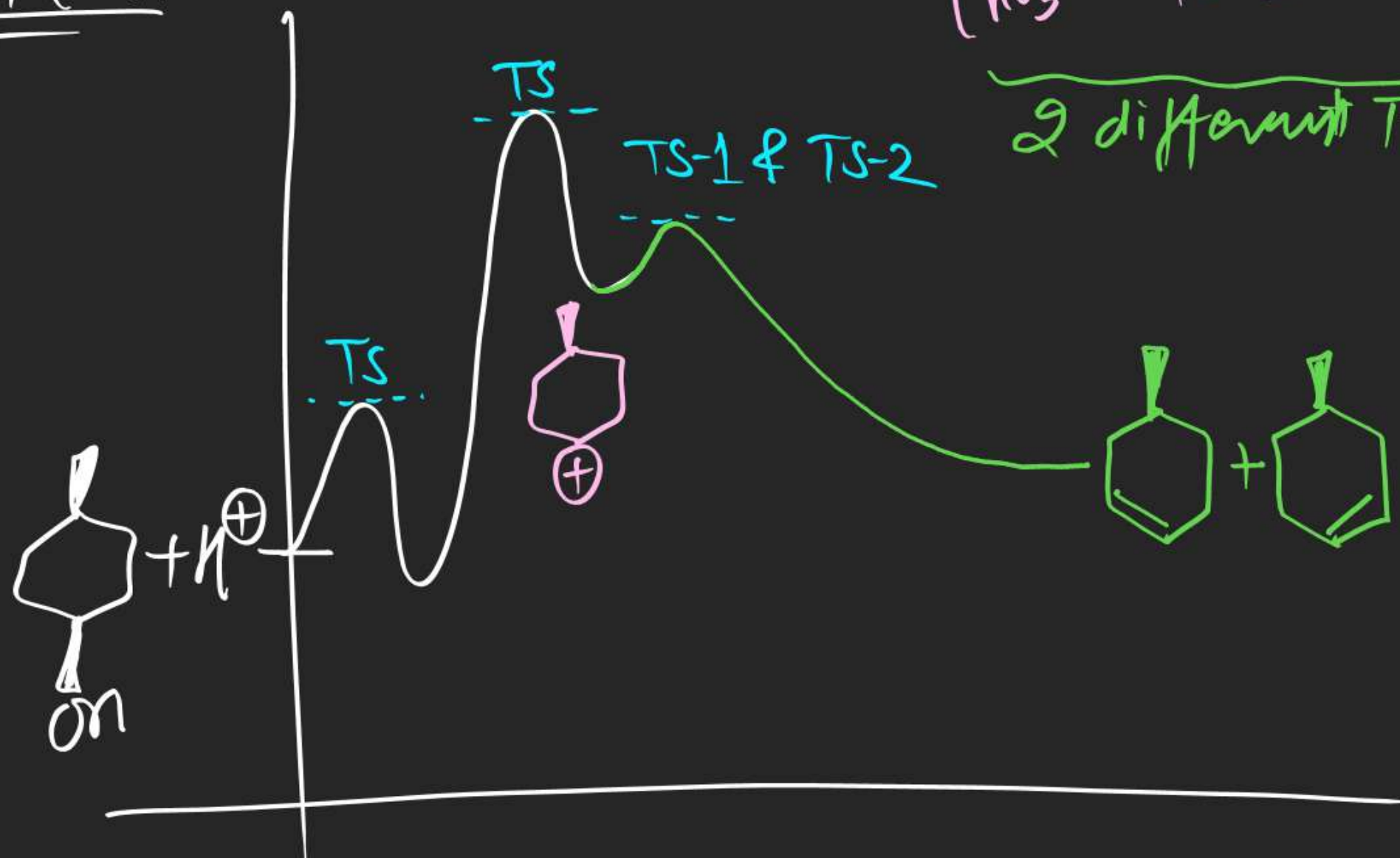


15

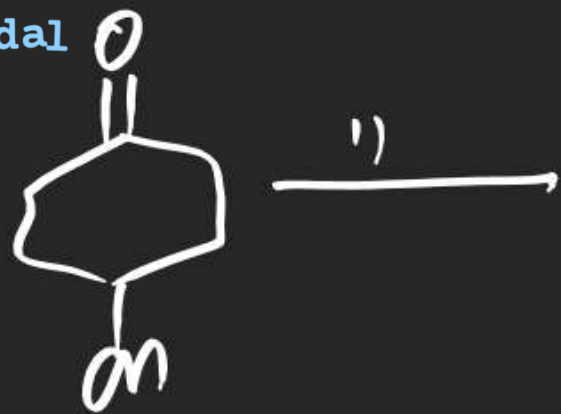


14

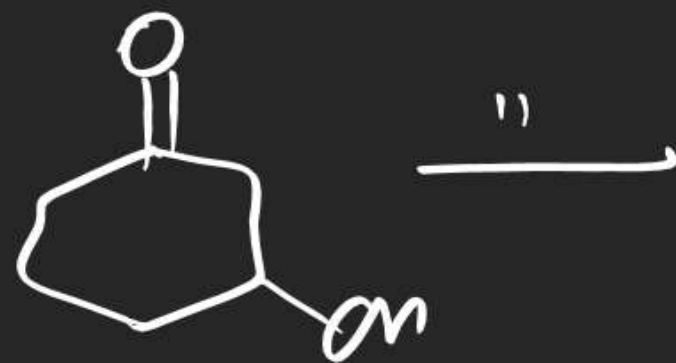


Mechⁿ (17)Graph (17)

(20)



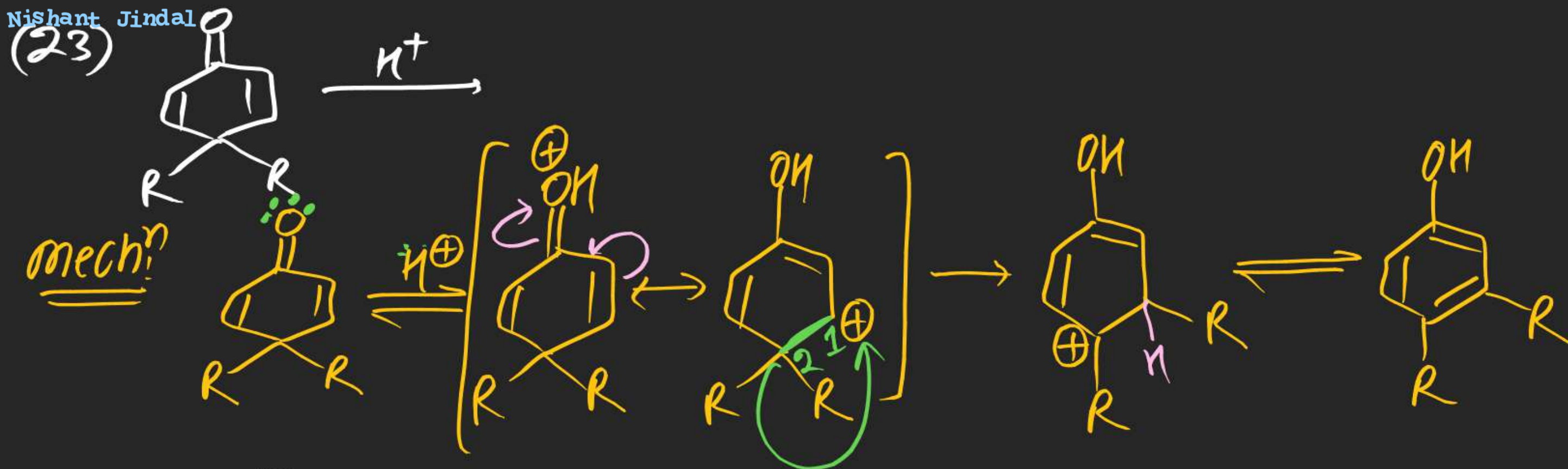
(21)



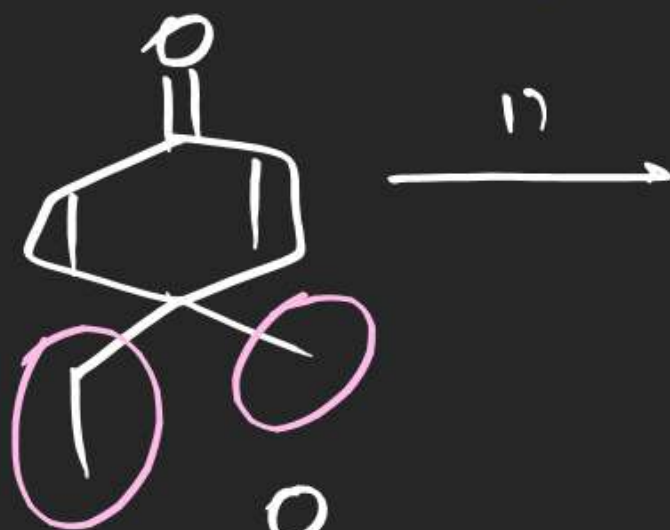
(22)



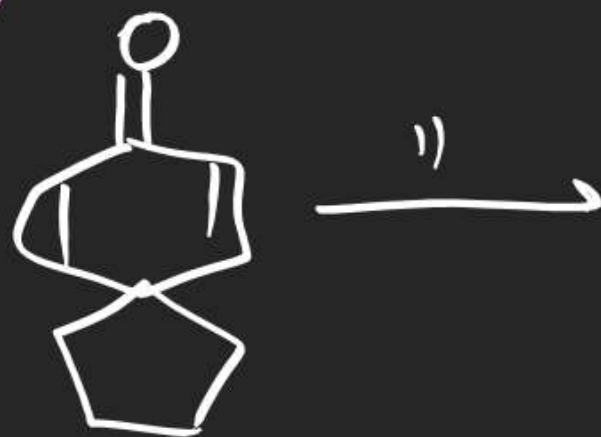
(23)



(24)



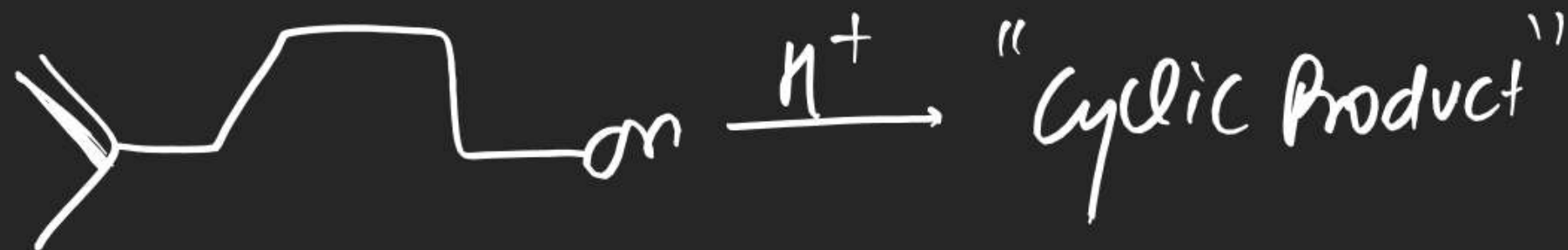
(25)



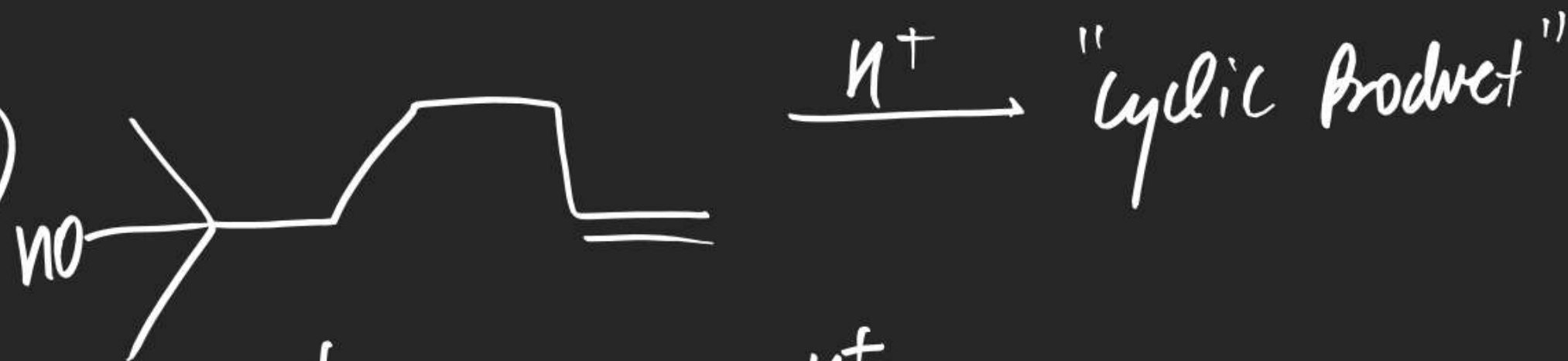
(26)



(27)



(28)



(29)

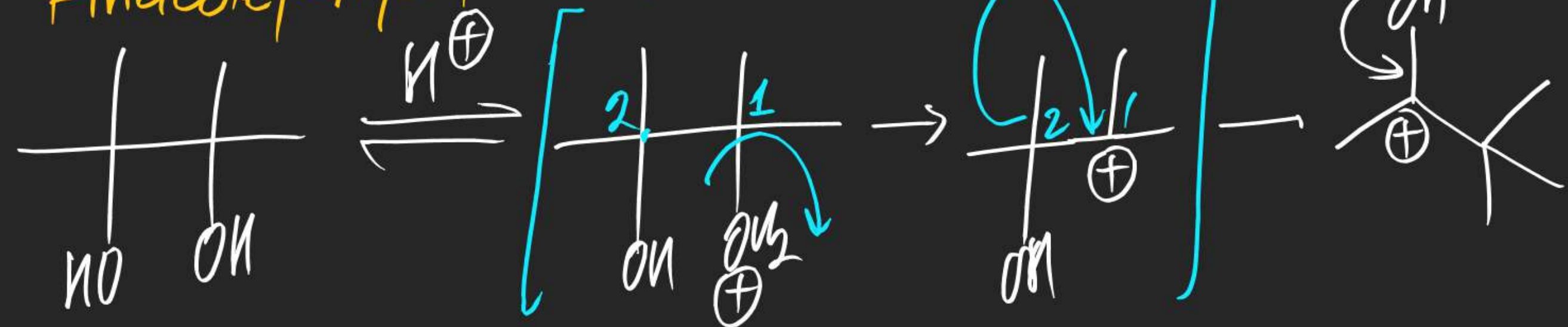


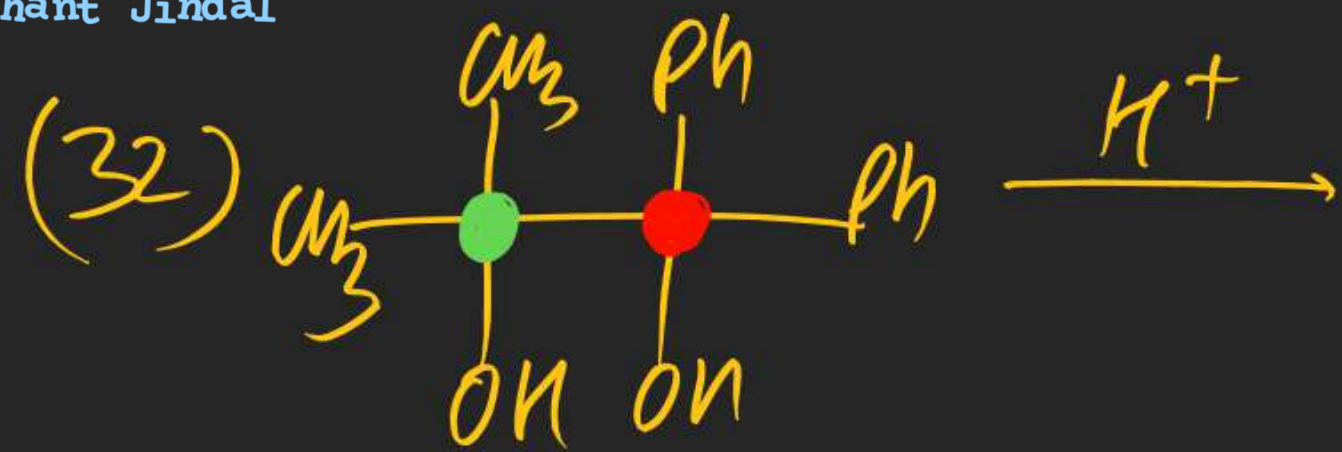


Pinacole to Pinacolone Reagent:-

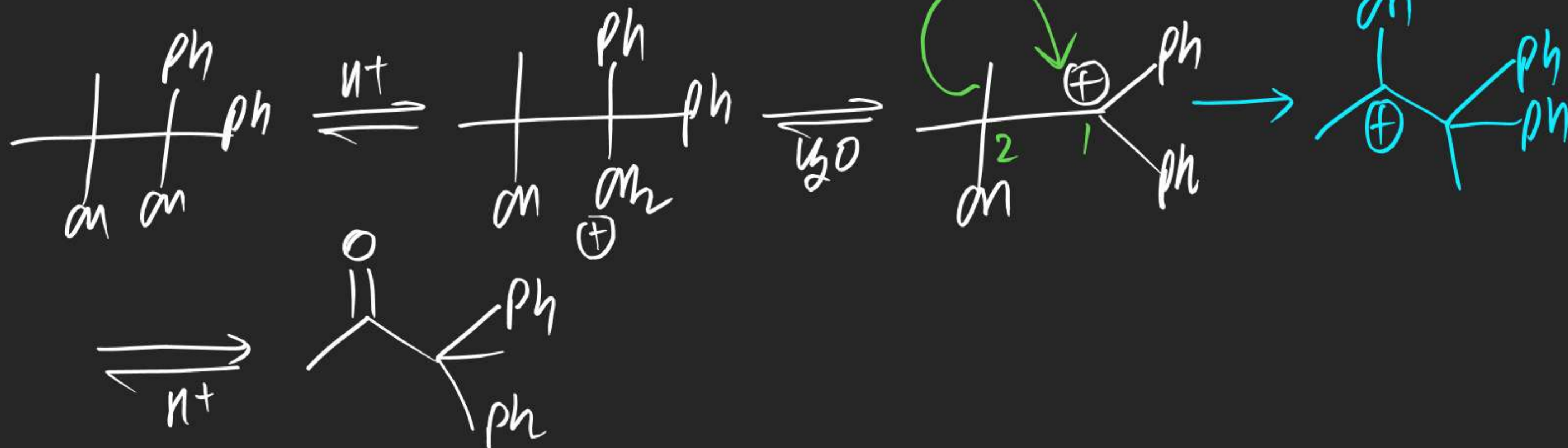


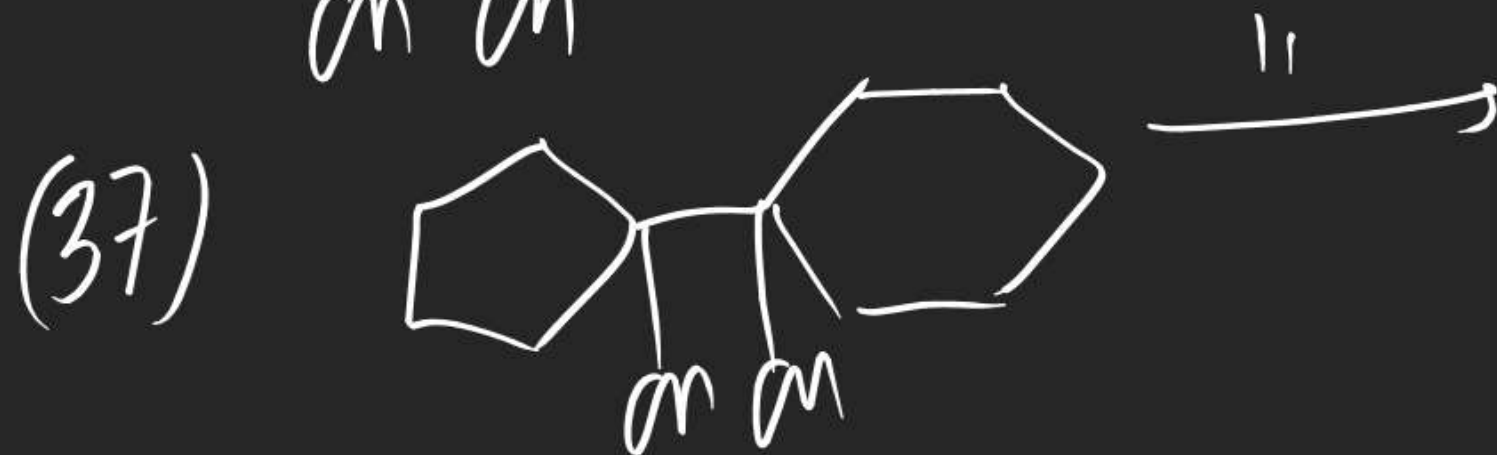
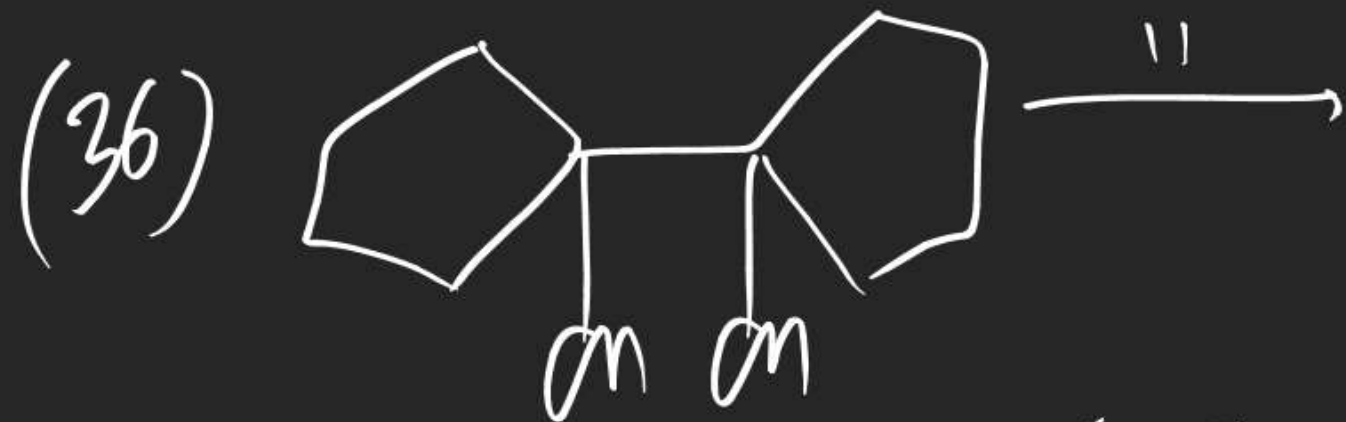
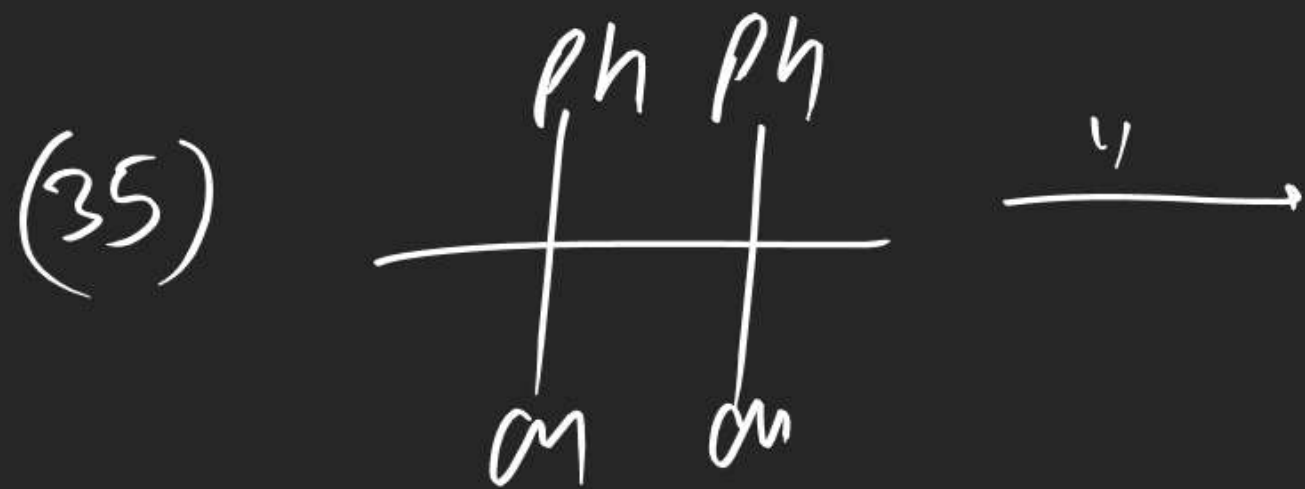
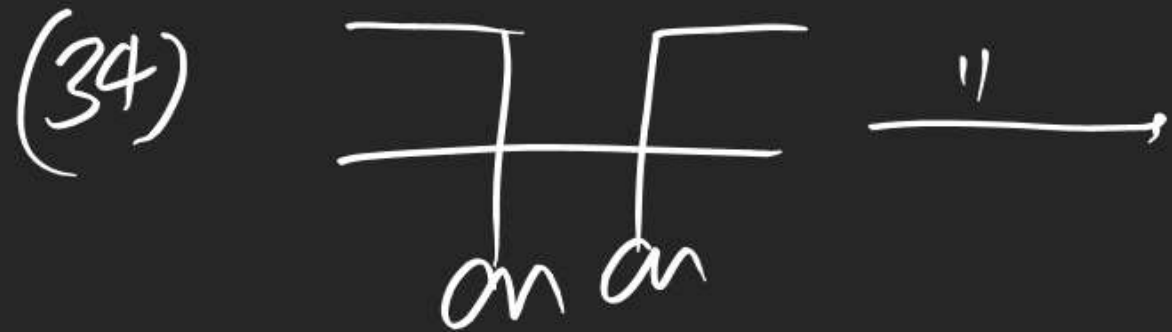
Vic-diol
mechⁿ

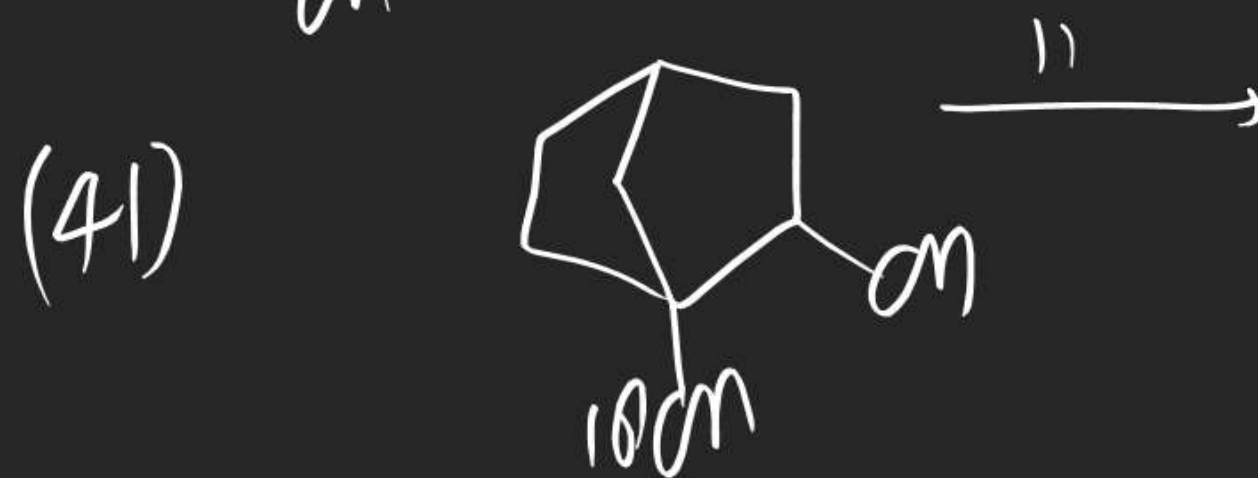
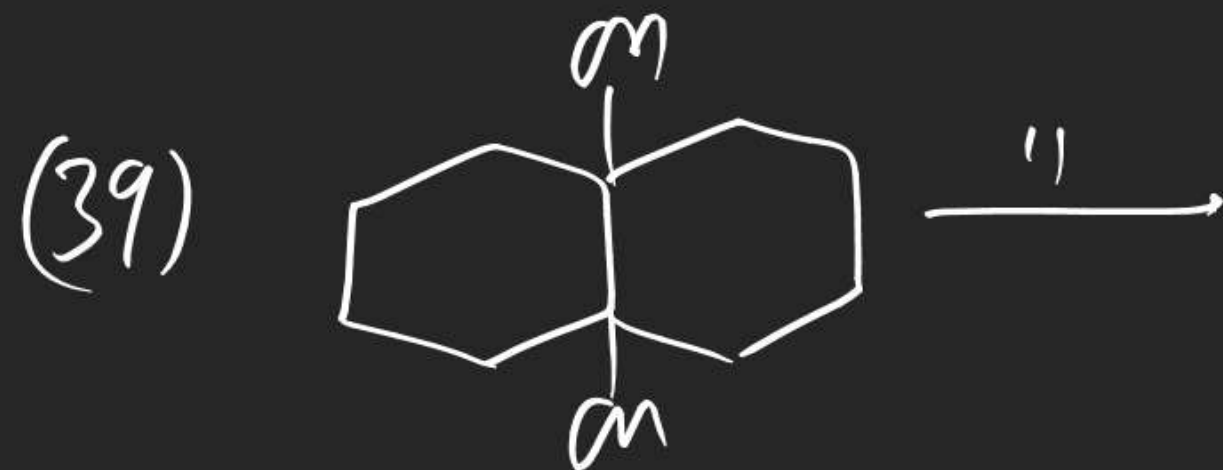
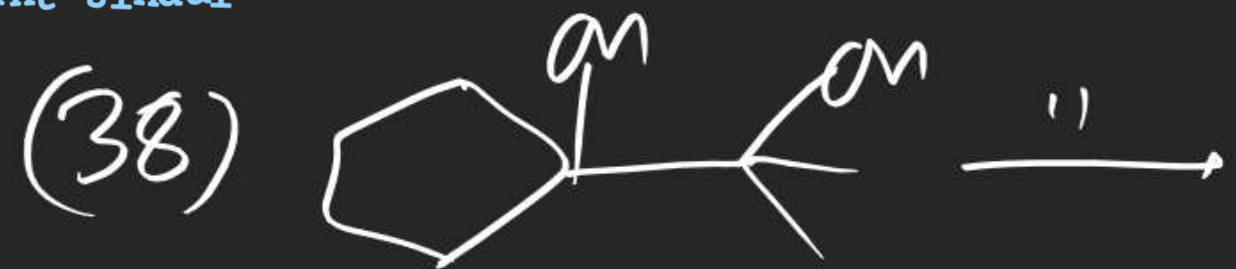




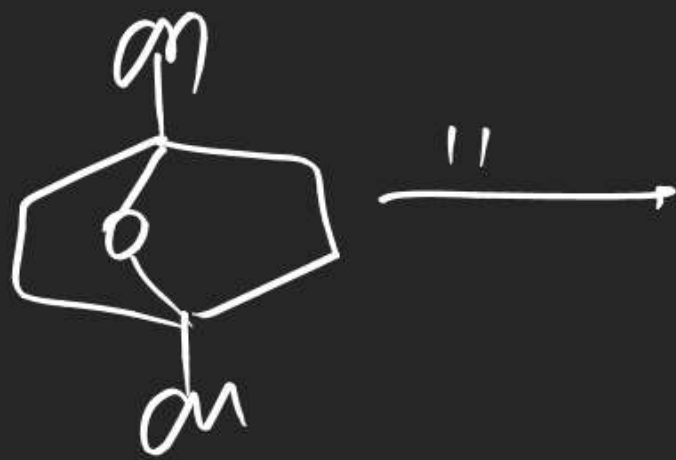
mechⁿ







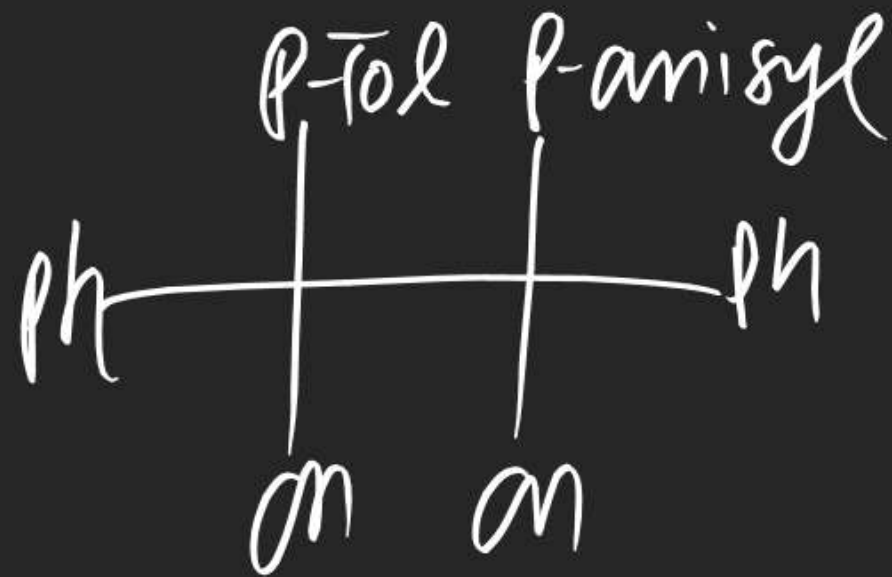
(42)



(43)



(44)



Semi Pinacolane Reagent:

(45)



(46)



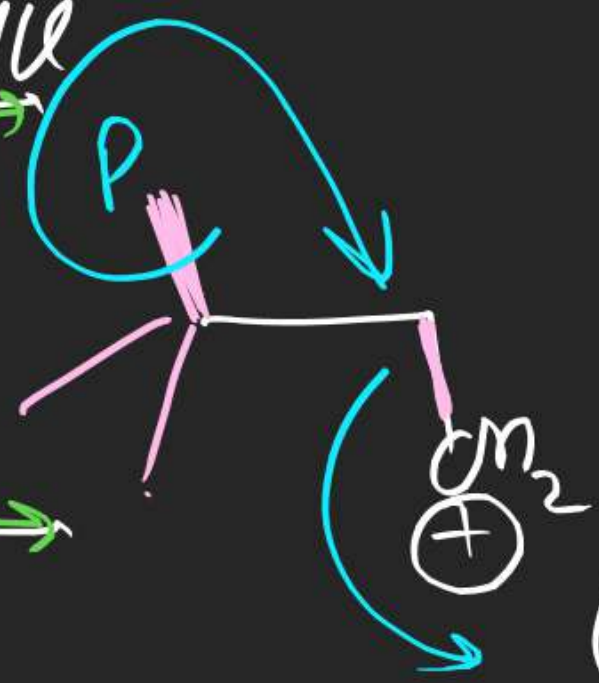
(47)



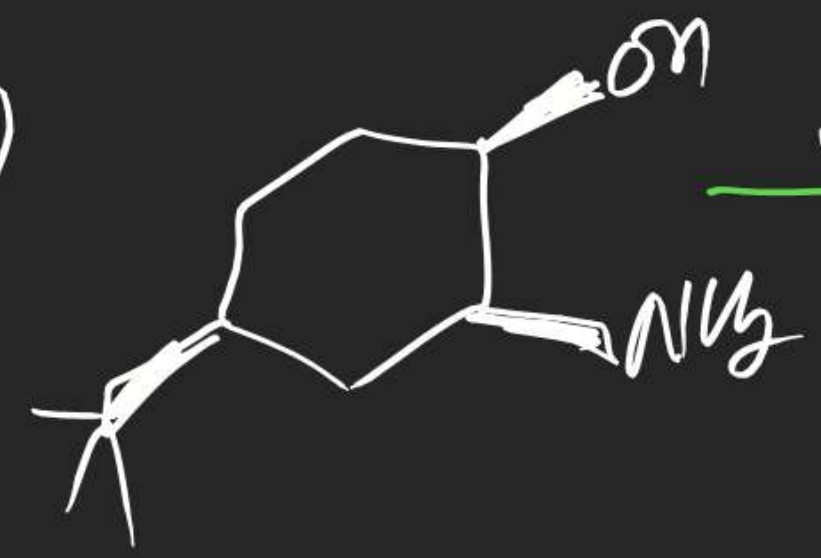
(48)



$\xrightarrow{\text{KNO}_2/\text{HCl}}$



(51)



$\xrightarrow{''}$

(49)



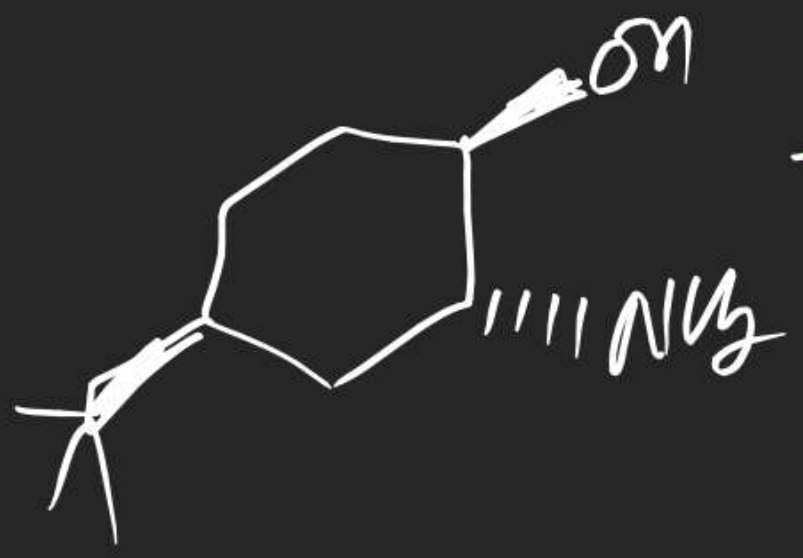
$\xrightarrow{''}$

(52)



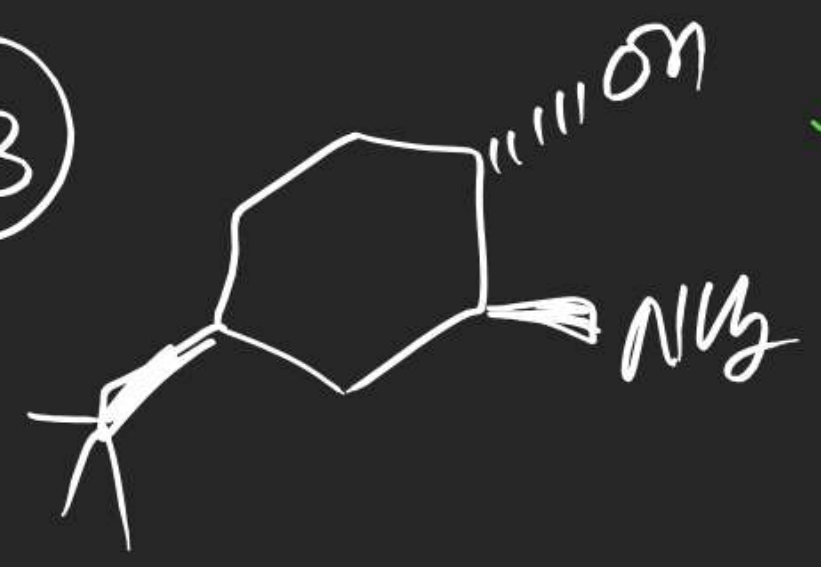
$\xrightarrow{''}$

(50)



$\xrightarrow{''}$

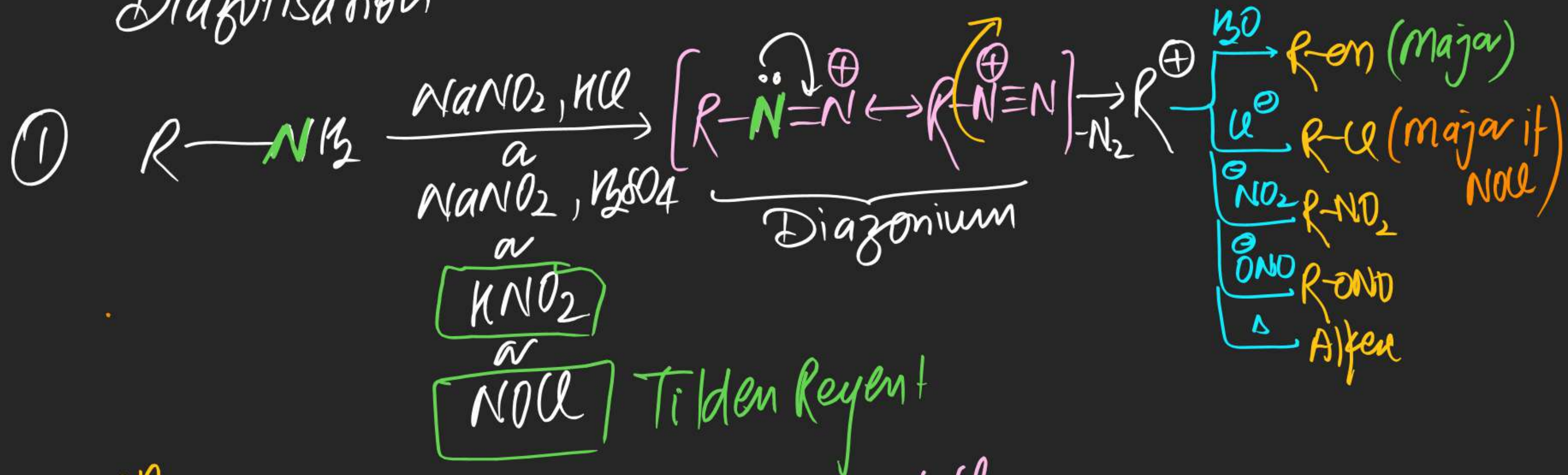
(53)



$\xrightarrow{''}$

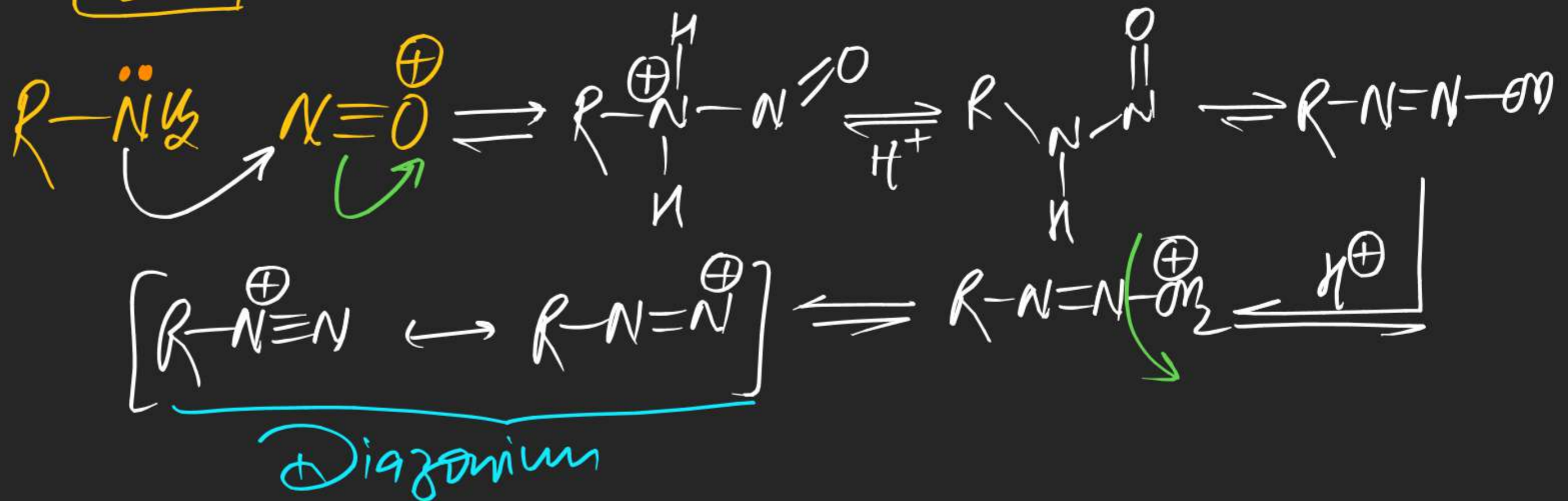
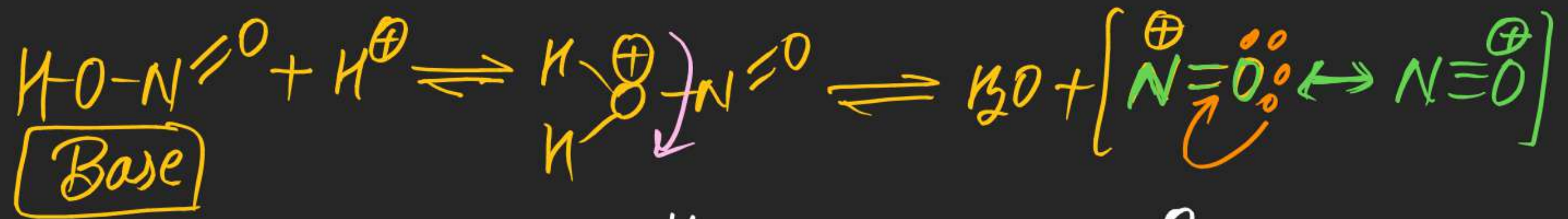
(#) Diazotisation:

⇒ Formation of diazo group from primary amine is known as Diazotisation



mechⁿ:





Note:

- (i) HNO_2 behaves like Base
- (ii) HNO is Actual attacking Reagent
- (iii) In case of aliphatic primary amine, alcohol is obtained as a product

(iv) Diazotisation is characteristic rxn for primary amine.

M.Q. Aryl primary amine gives stable diazonium salt b/w $(0-5)^{\circ}\text{C}$

