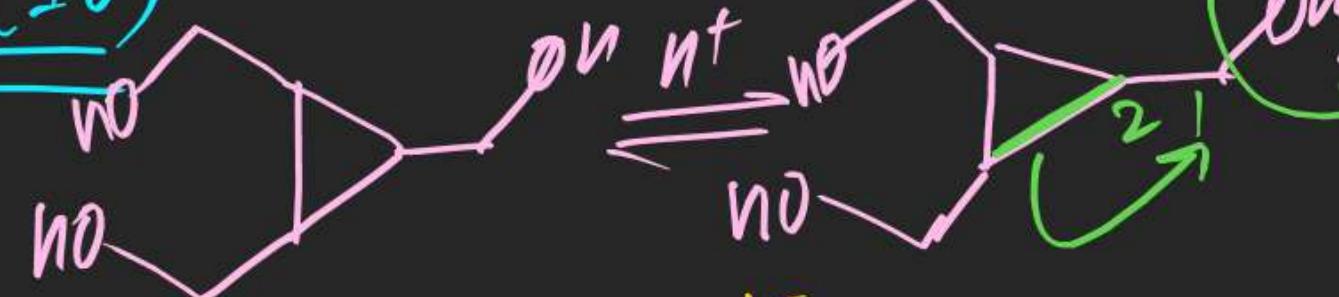


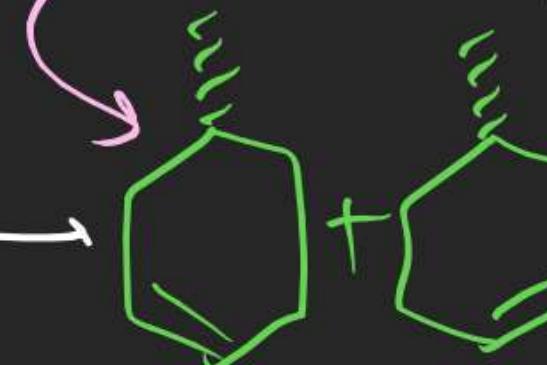
mechⁿ(16)



$\xrightleftharpoons{H_2O}$ (10)



"

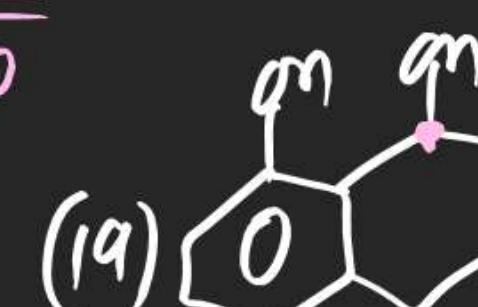


$\xrightarrow[B_2SO_4]{B_2SO_3H}$

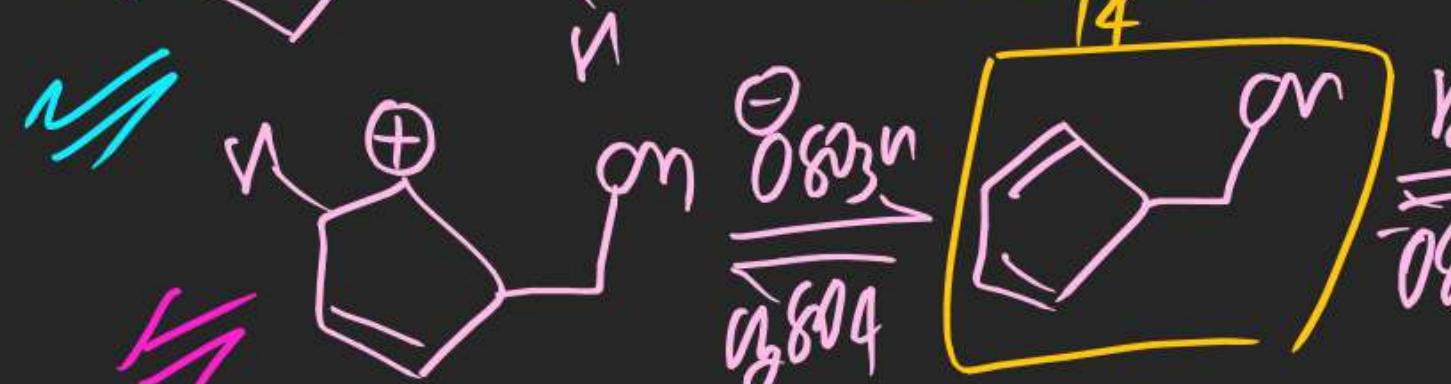
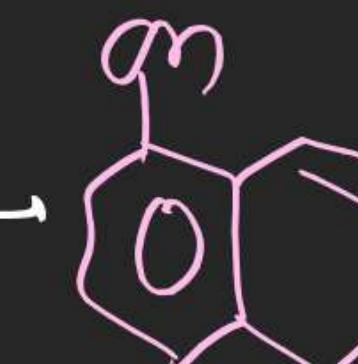
$\xrightarrow[B_2SO_4]{B_2SO_3H}$



$\xrightarrow[B_2SO_4]{B_2SO_3H}$



"



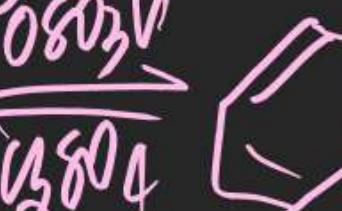
$\xrightarrow[B_2SO_4]{B_2SO_3H}$

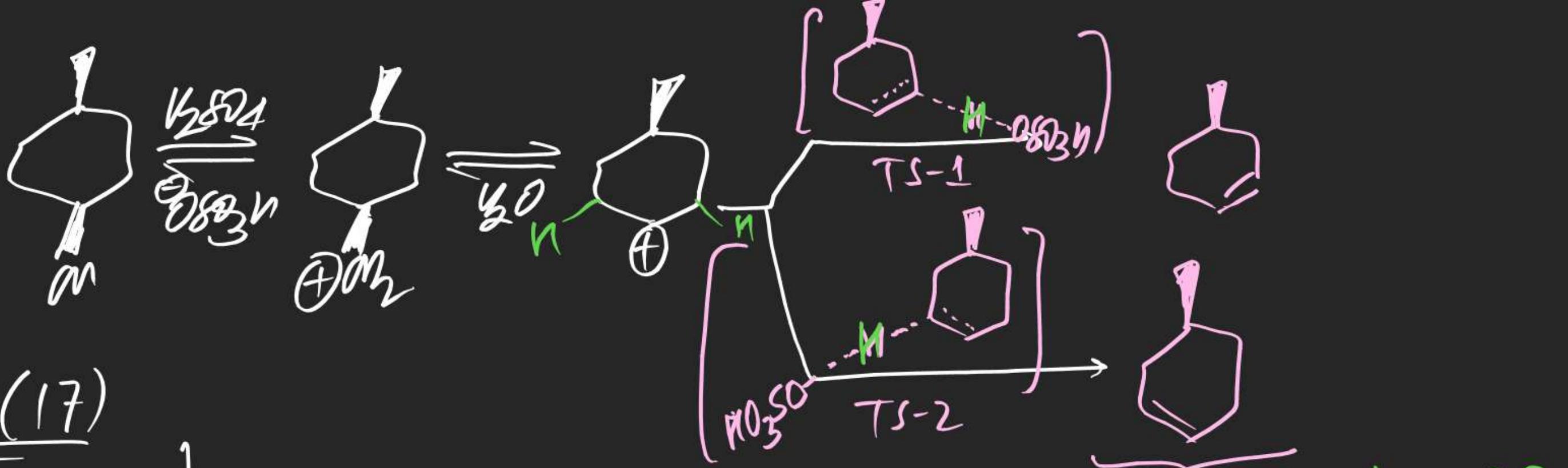
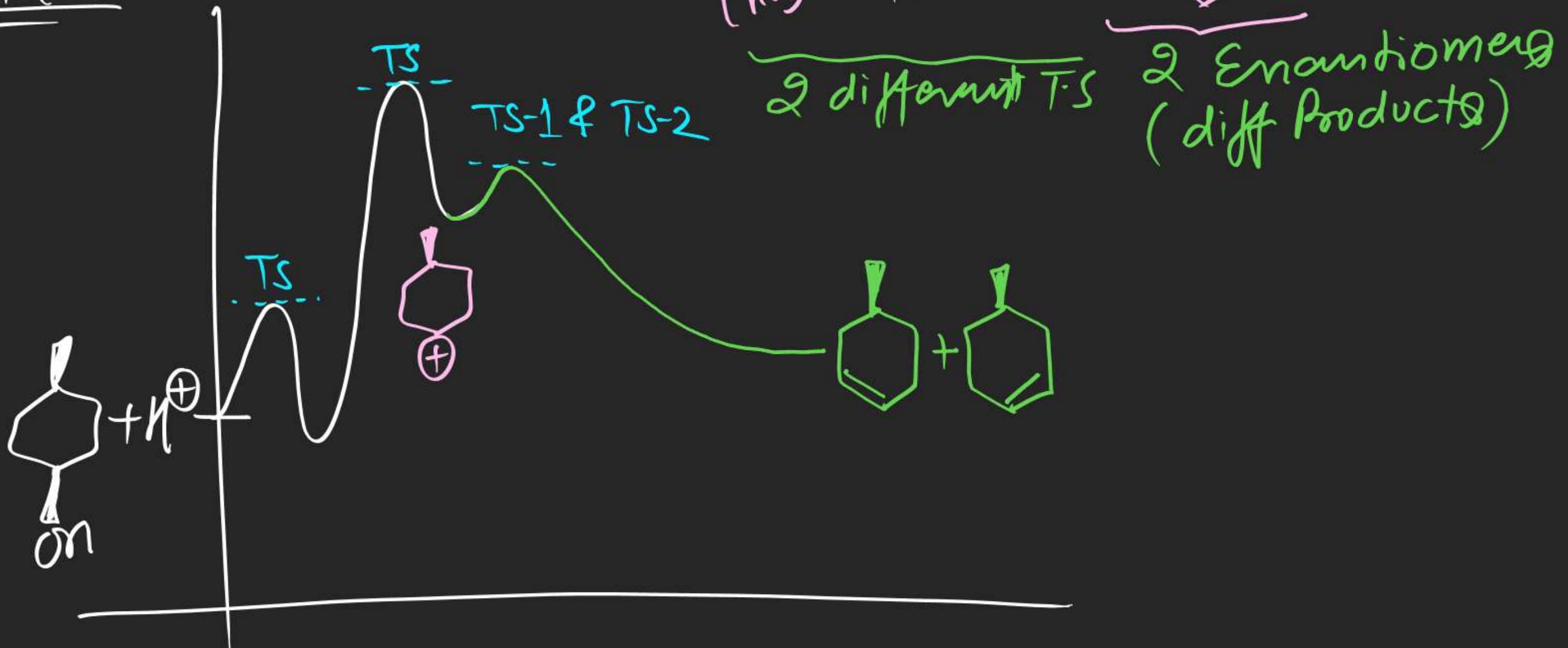


$\xrightarrow[B_2SO_4]{B_2SO_3H}$

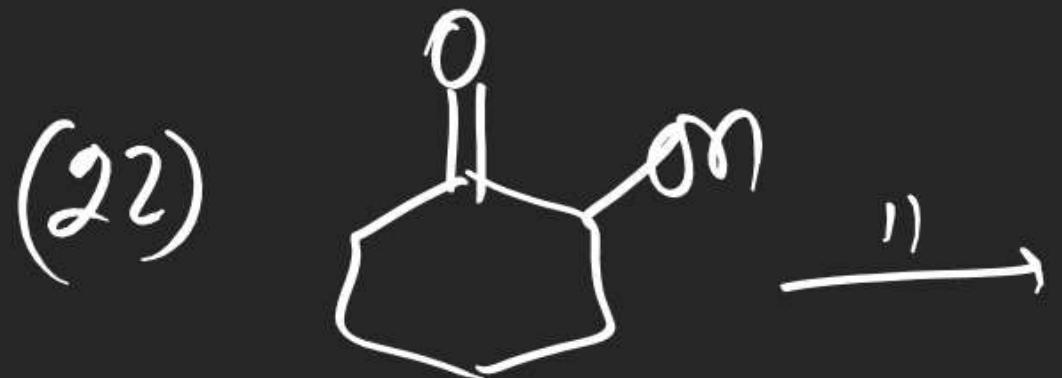
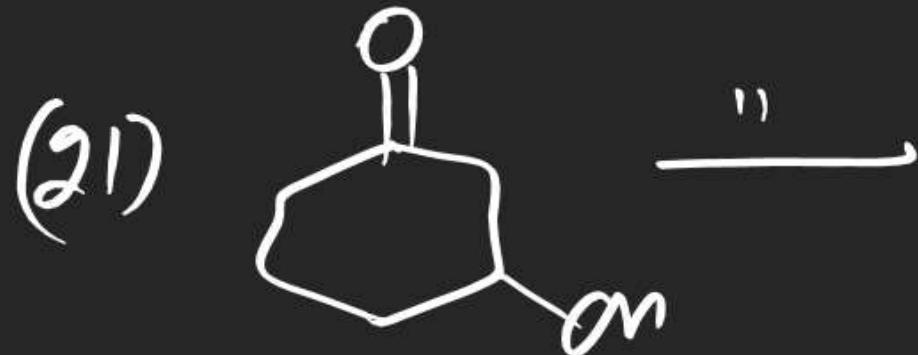
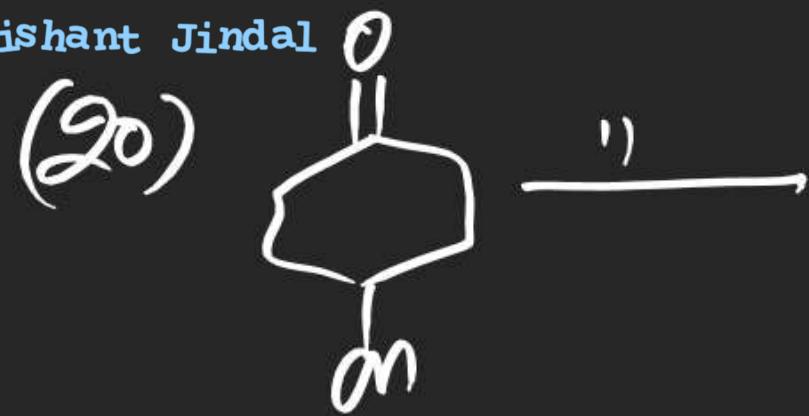


$\xrightarrow[B_2SO_4]{B_2SO_3H}$

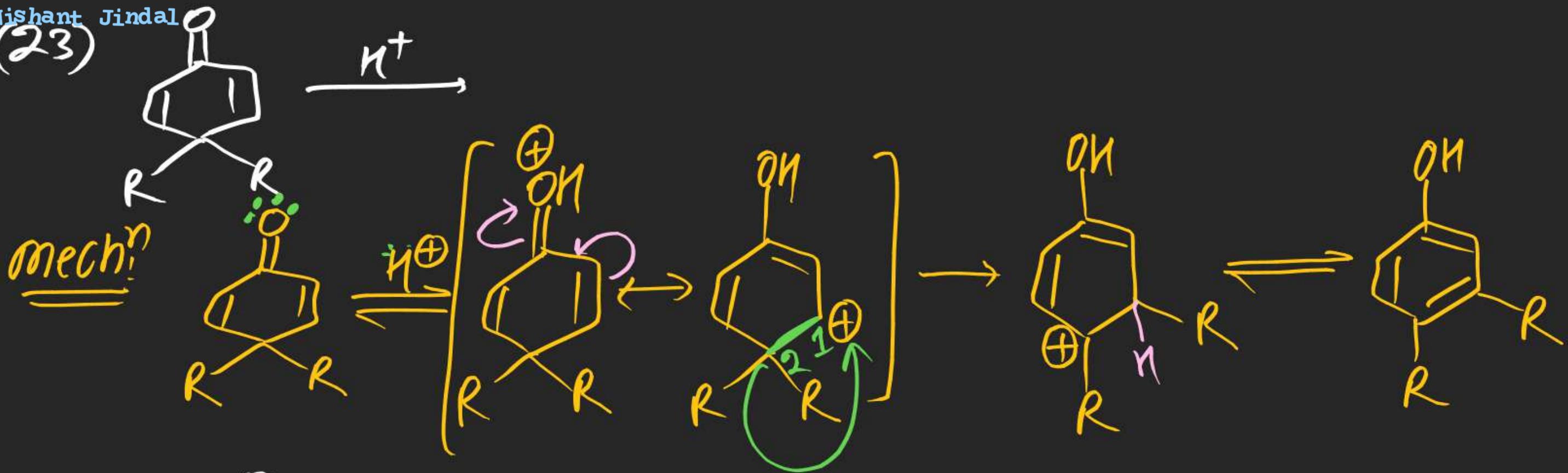


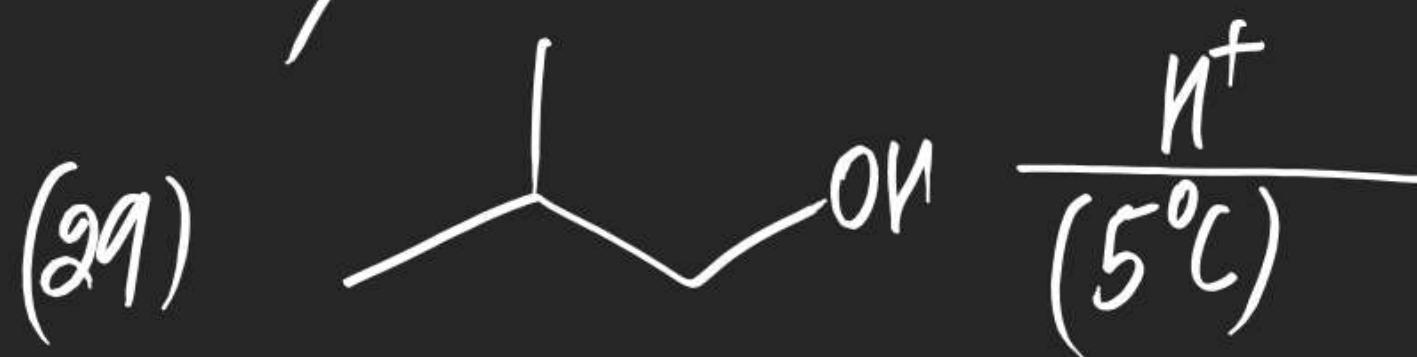
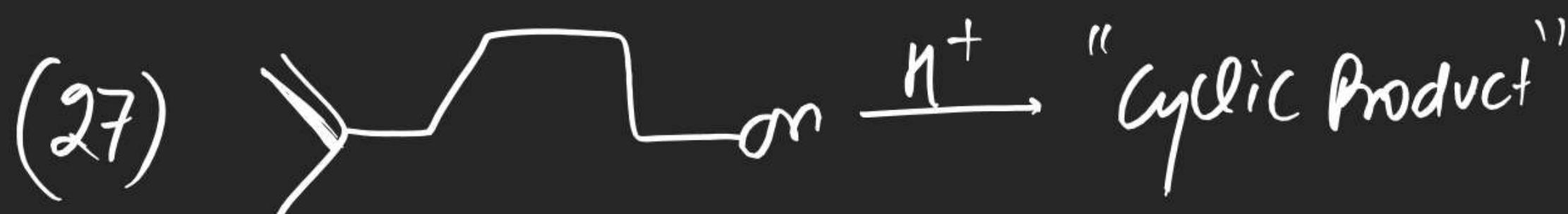
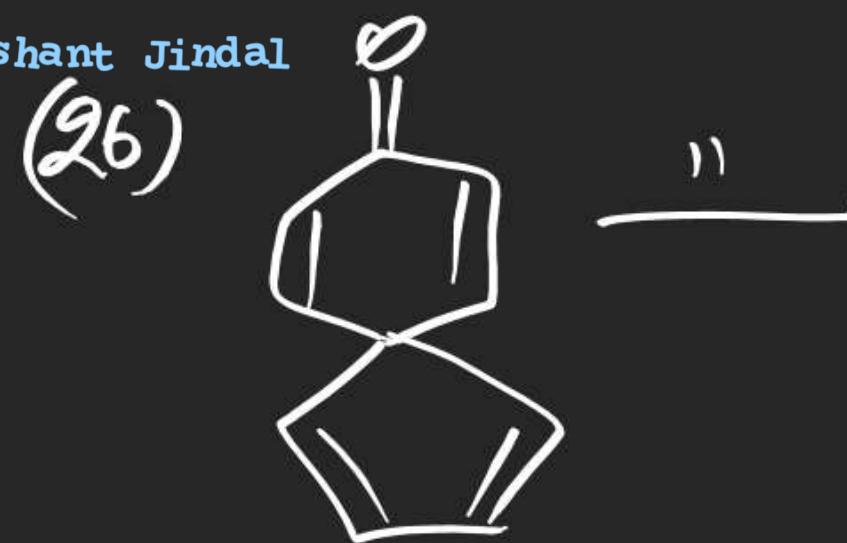
mechⁿ(17)Graph (17)

2 different TS 2 Enantiomers
(diff Products)



Nishant Jindal
(23)





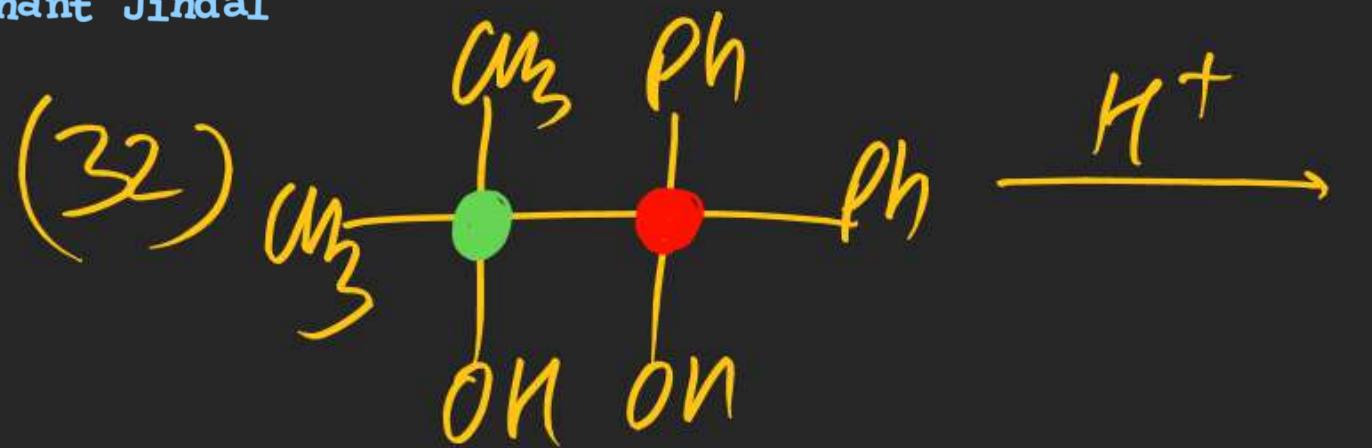


Pinacole to Pinacolone Reaction:-

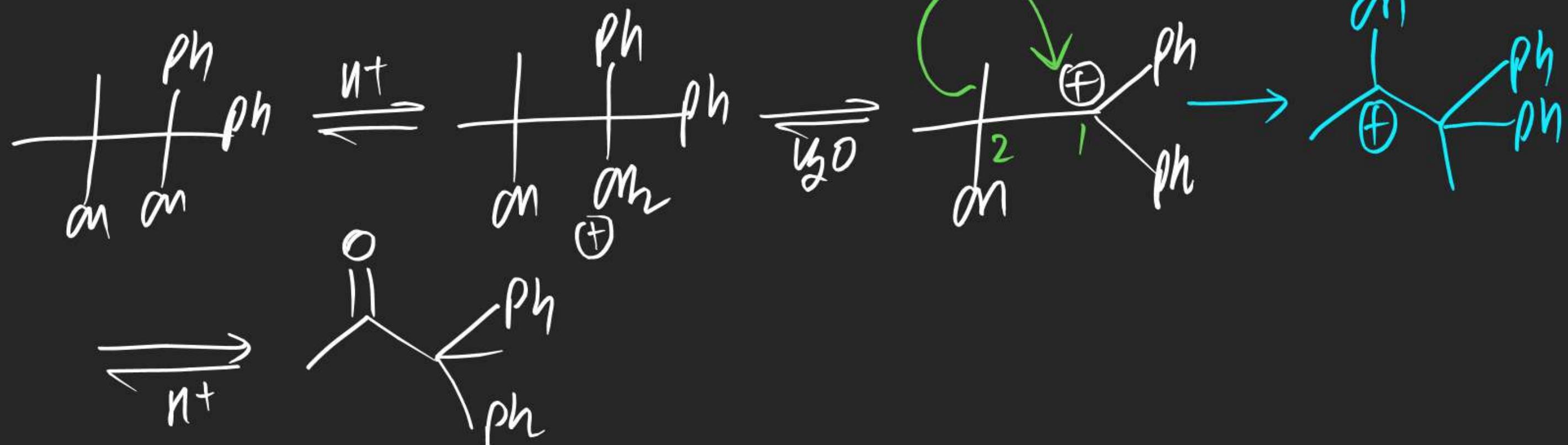


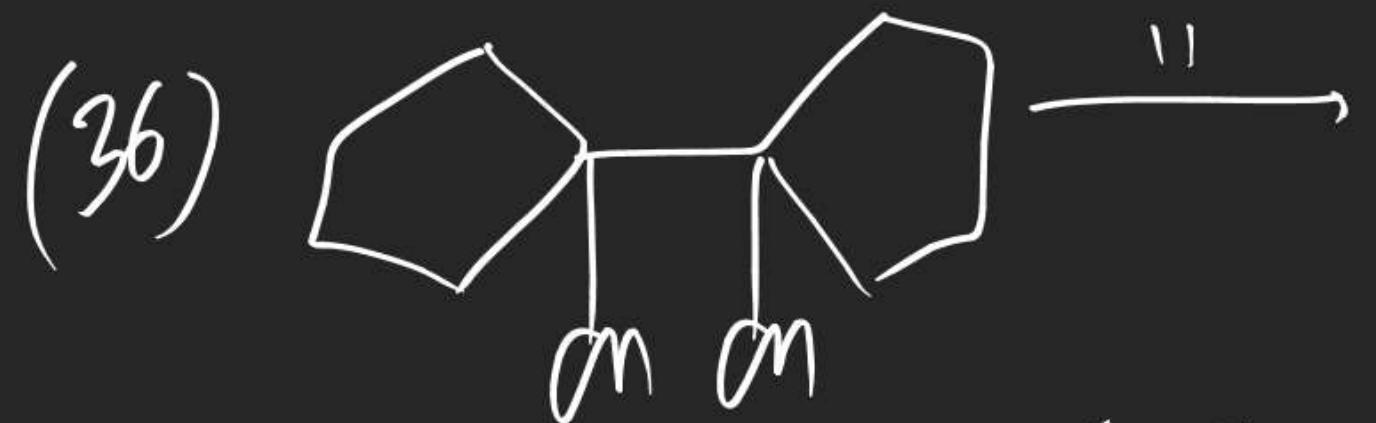
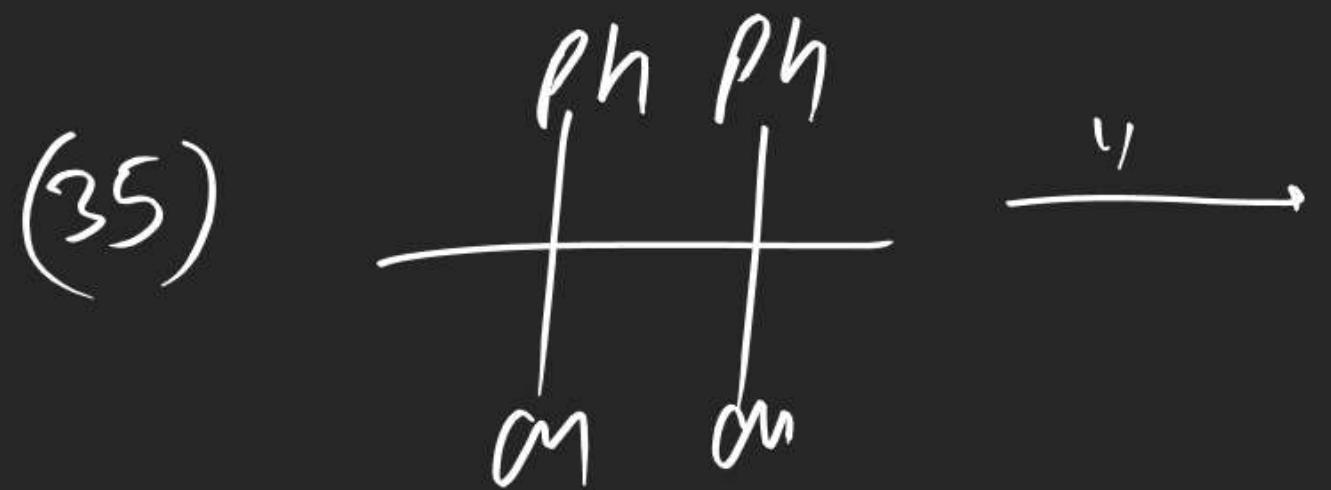
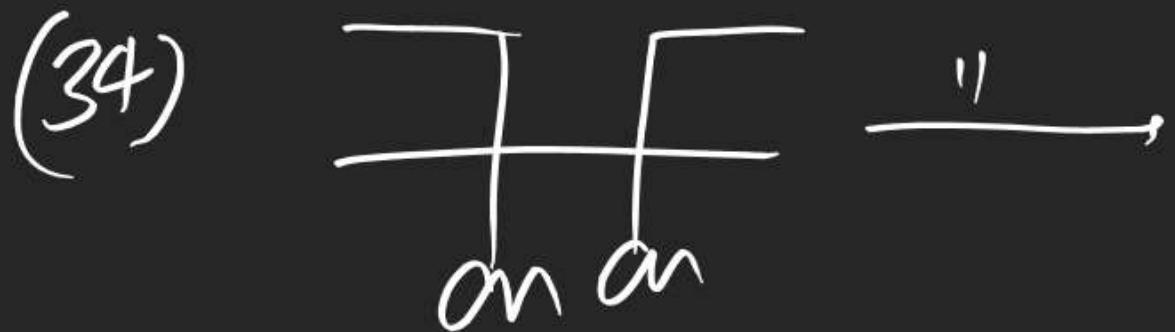
Vic-diol | Pinacole/Glycol
Mechanism:

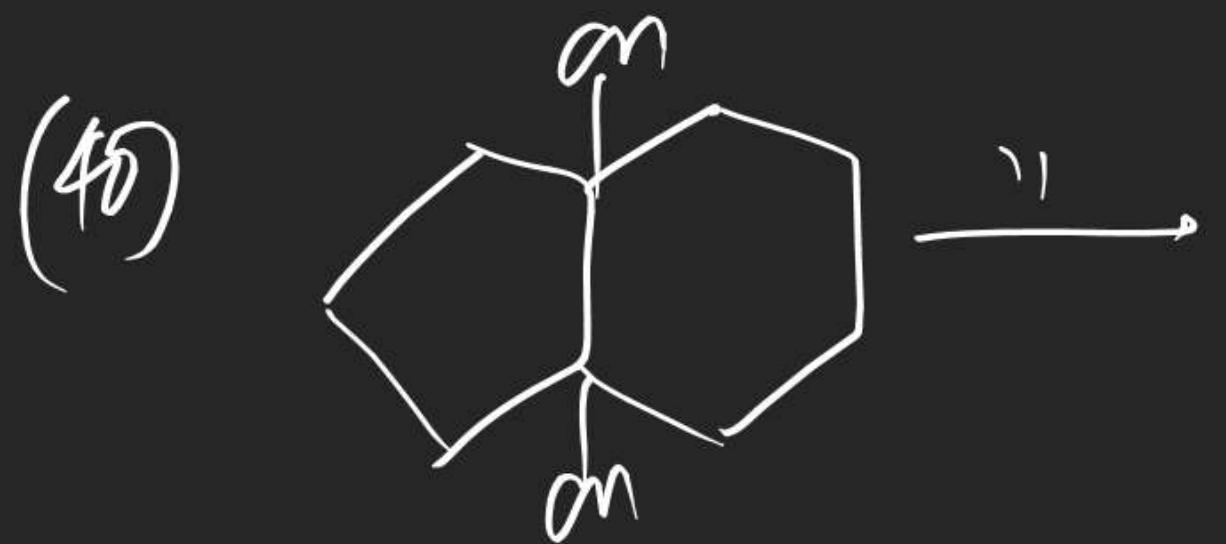
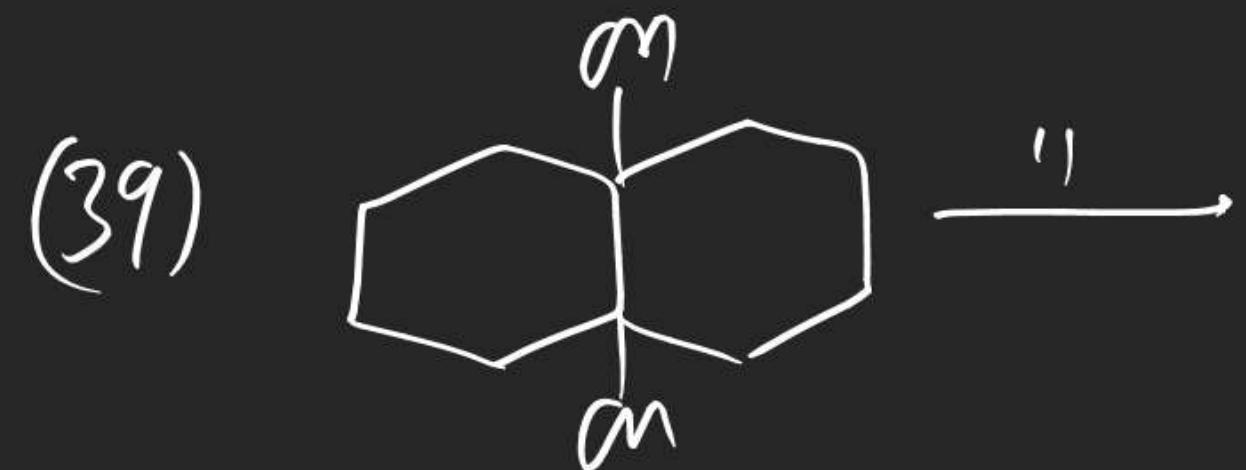


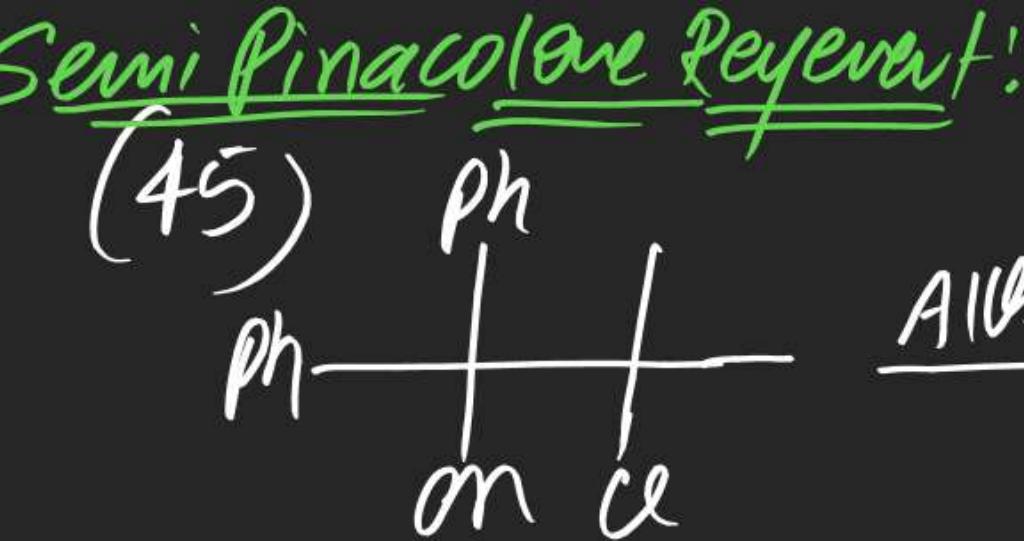
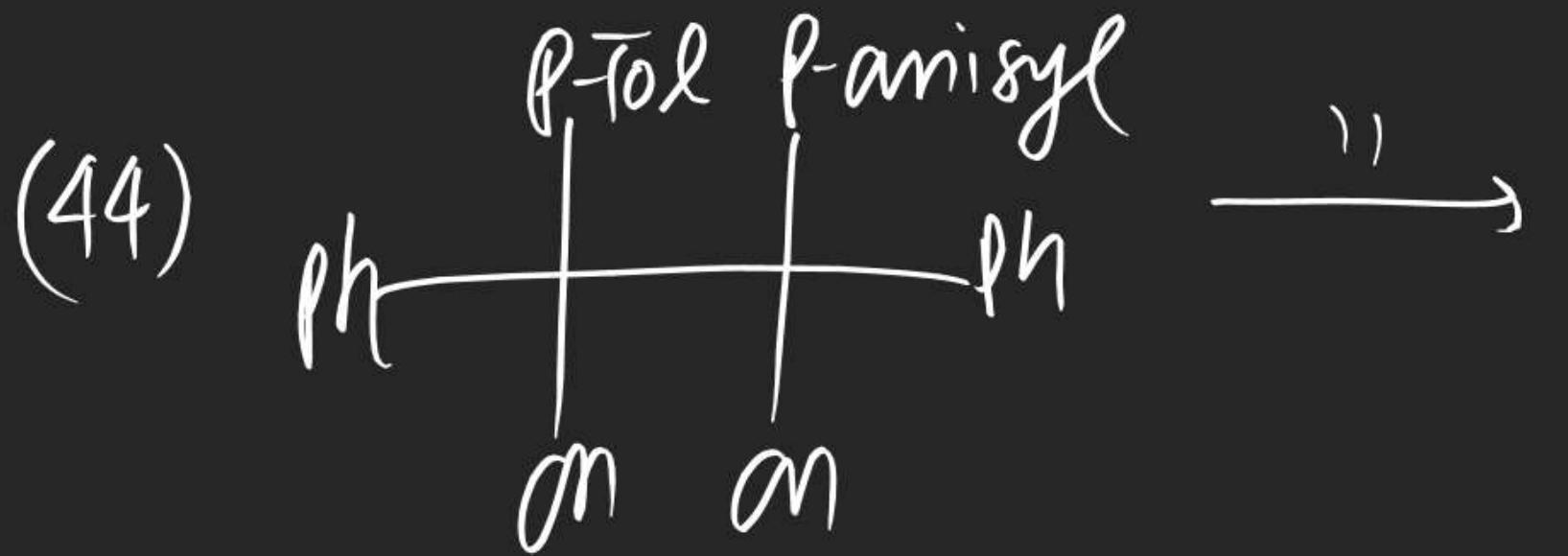
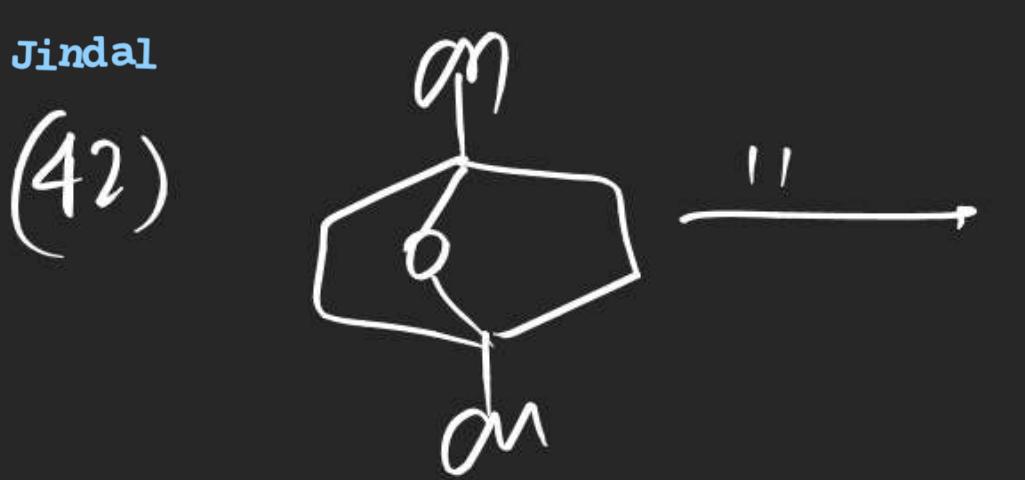


Mech?

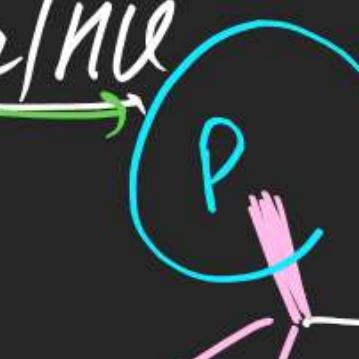




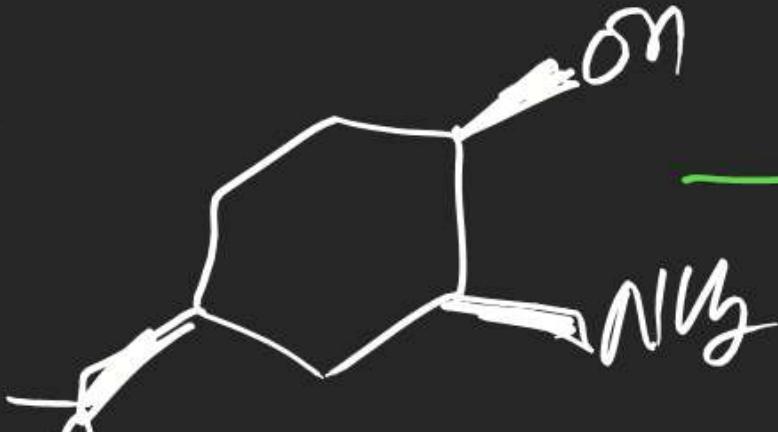




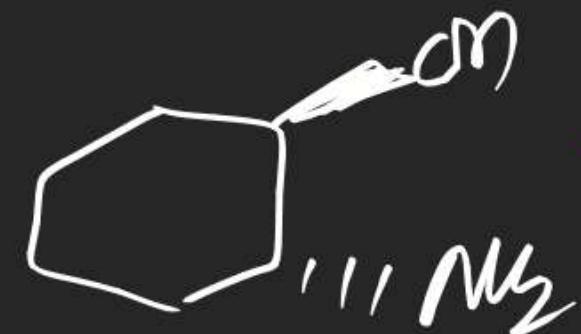
(48)

 NaNH_2/NLE 

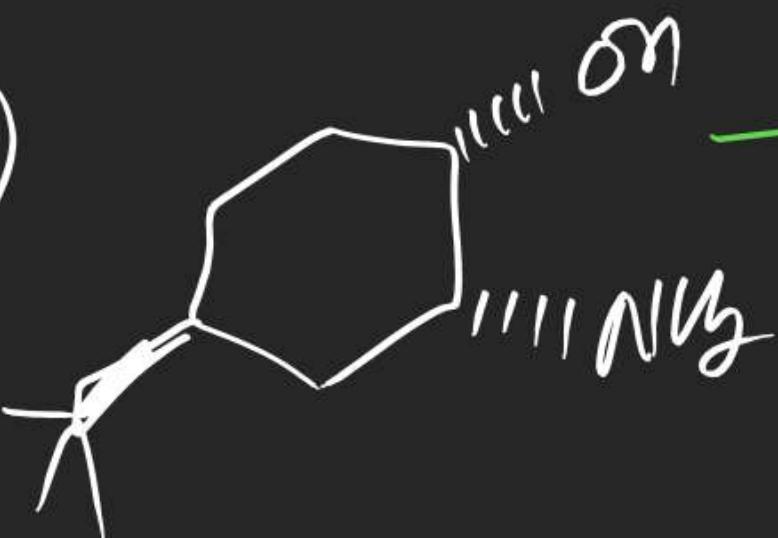
(51)

 ''

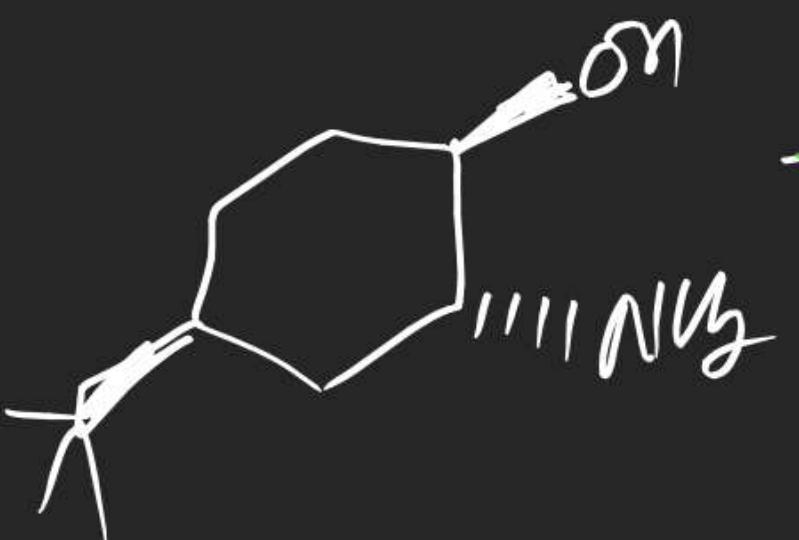
(49)

 ''

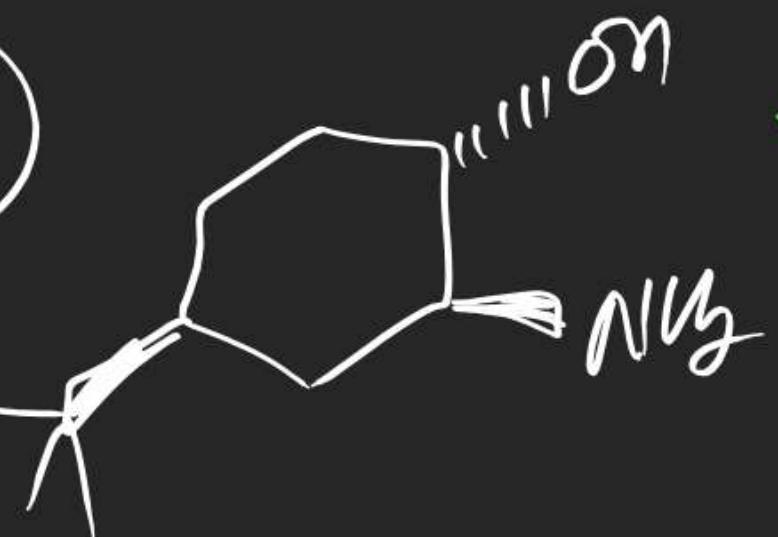
(52)

 ''

(50)

 ''

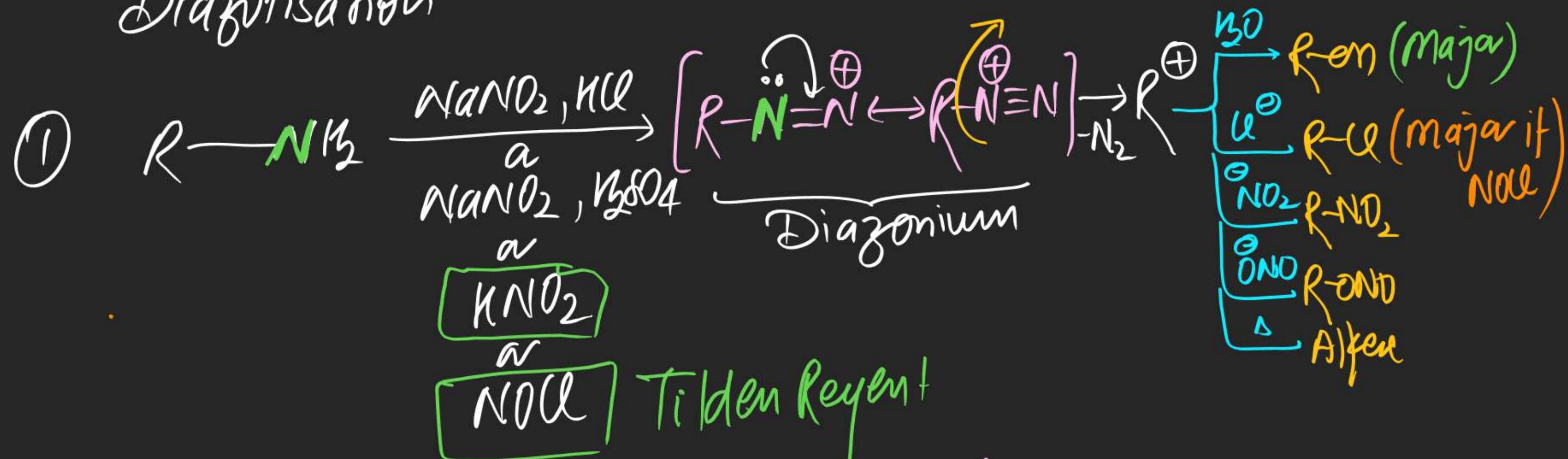
(53)

 ''

(#) Diagonalisation:-

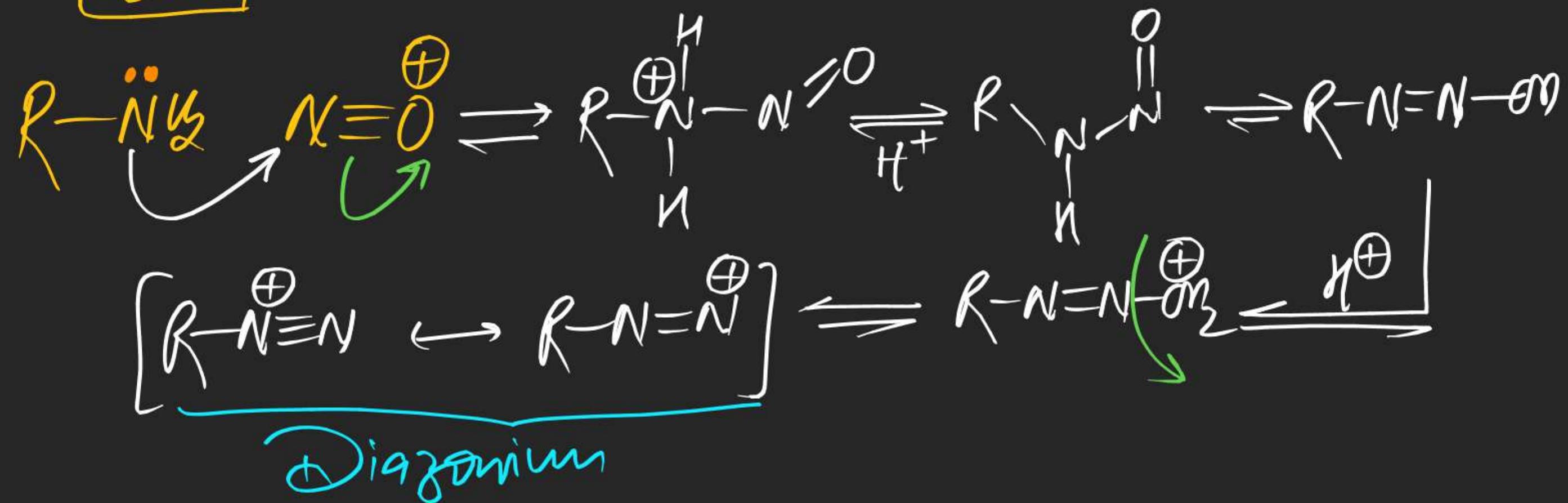
\Rightarrow Formation of diazo group from primary amine is known as

Diazotisation



mech?



Note:(i) KNO_2 behaves like Base(ii) NO_2 is Actual attacking Reagent

(iii) In case of aliphatic primary amine, alcohol is obtained as a product

(1) Diazotisation is characteristic of primary amine.

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

~~Ch. 10~~

