

$1 > 2$
Extended



(23) Heat of Hydrogenation of 1-Hexene is -20.6 Kcal/mole.
 On introducing one new π Bond, heat of hydrogenation obtained is -53.5 Kcal/mole. New compound is

X (A) Hexa-1,2-diene



X (B) Hexa-1,5-diene



X (C) Hexa-2,4-diene

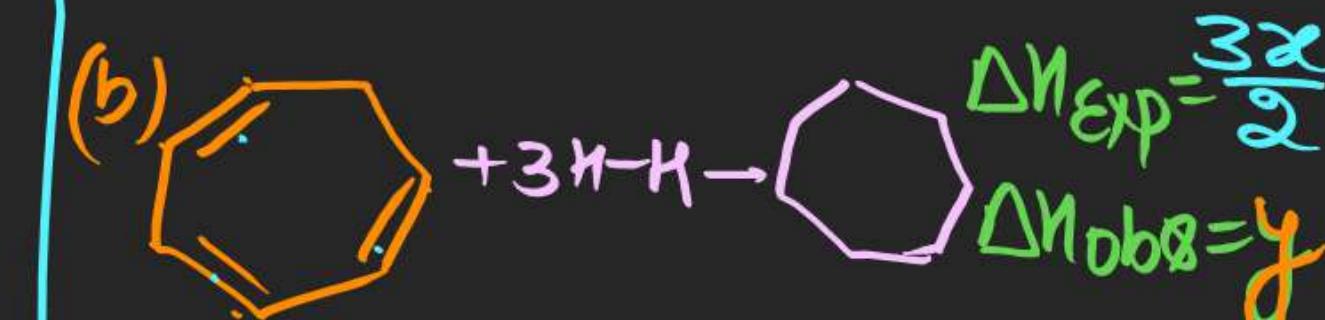


✓ (D) Hexa-1,3-diene

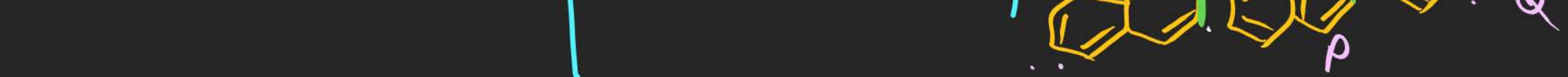
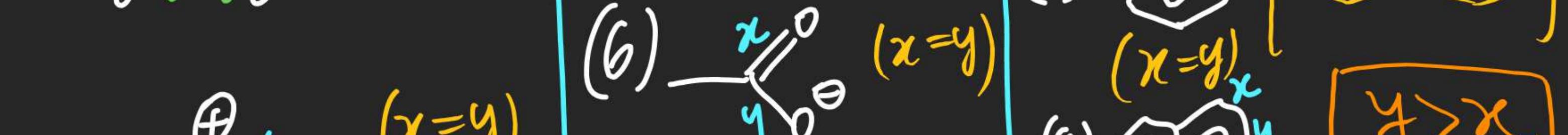


(24) Heat of Hydrogenation for Cyclohepta-1,4-diene & Cyclo

Soln(24)

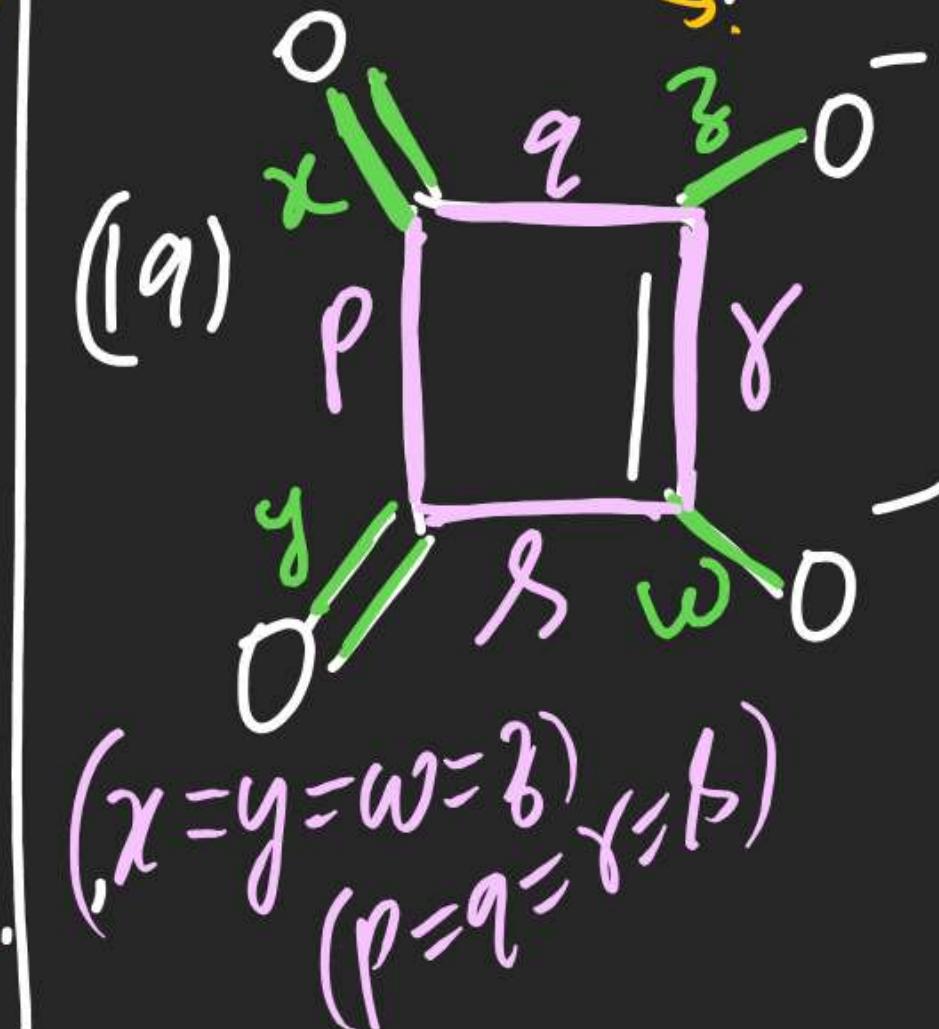
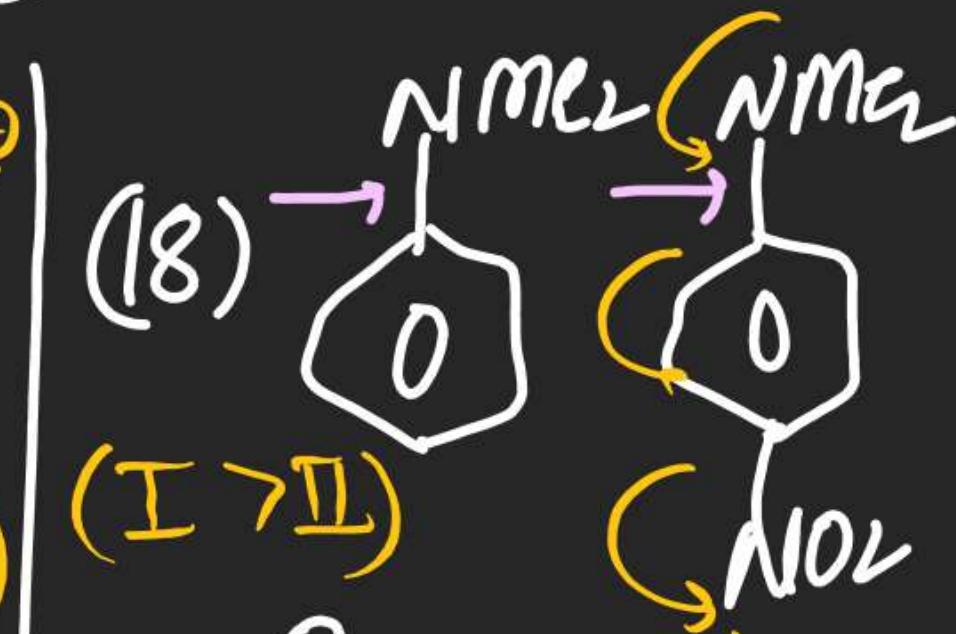
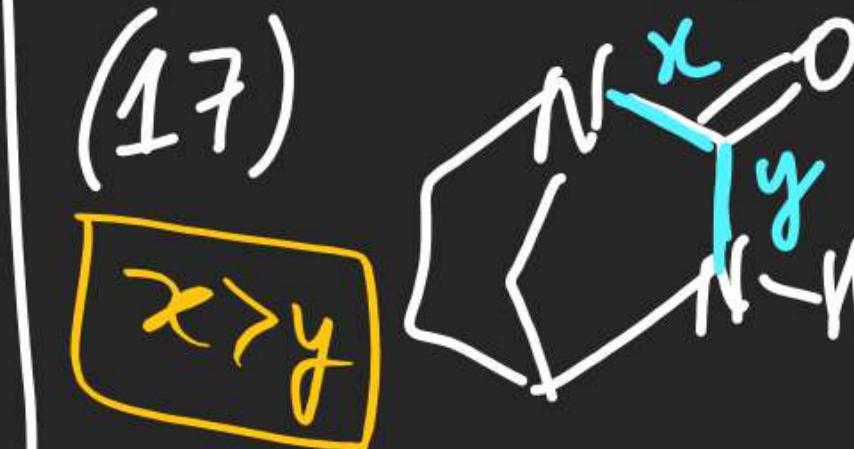
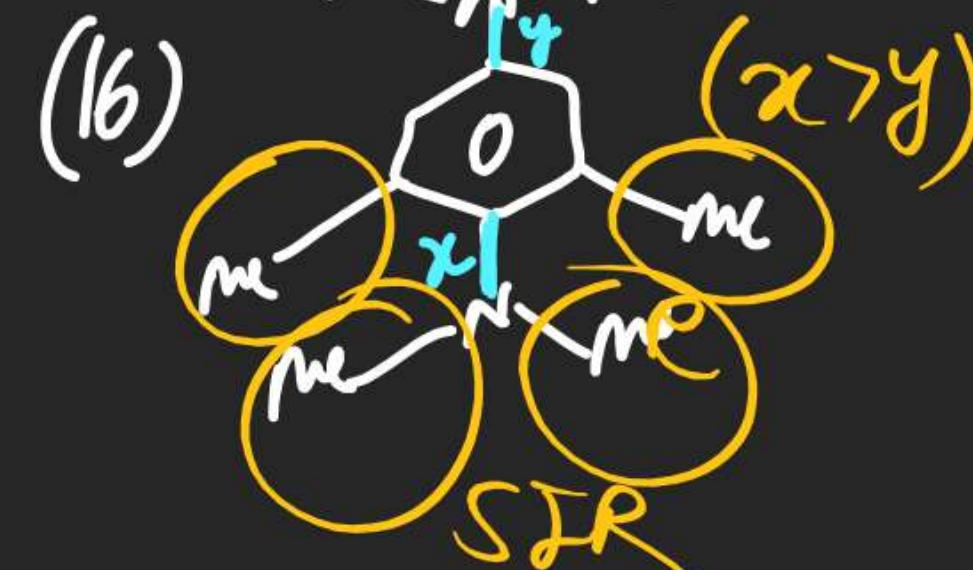
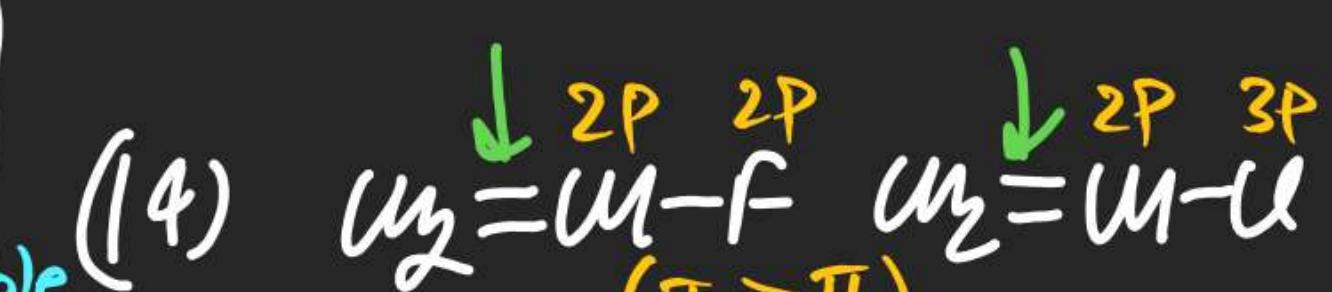
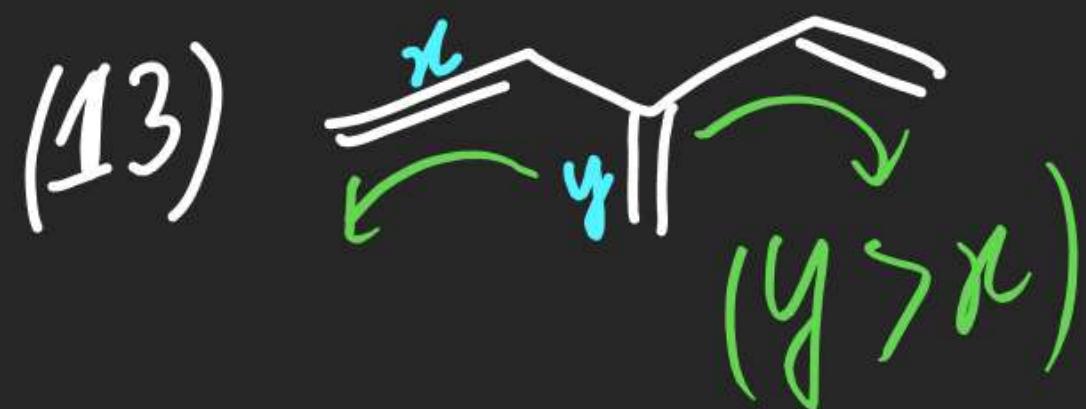
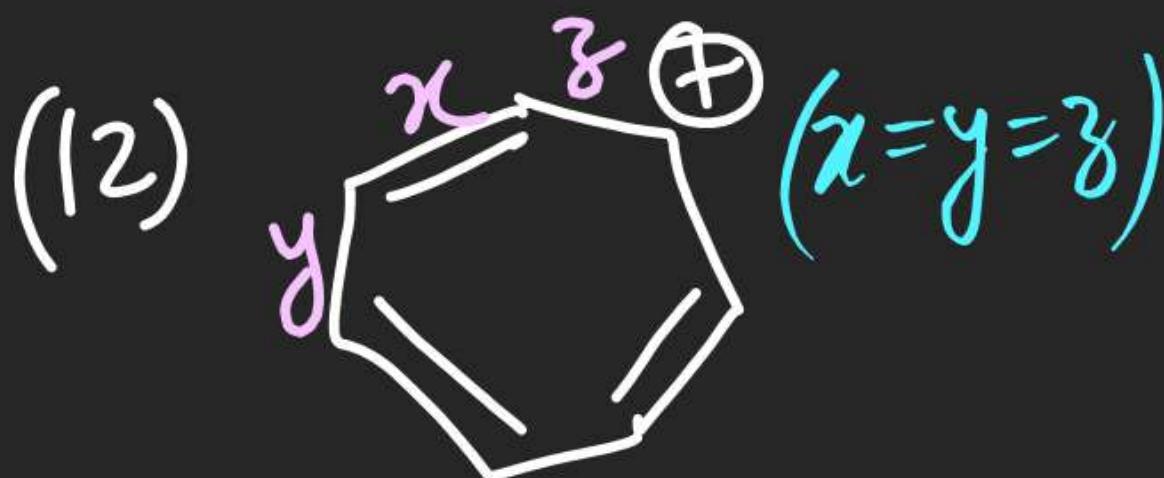


$$\frac{3x-y}{2} = RE = \overline{\Delta H_{\text{Exp}} - \Delta H_{\text{Obs}}}$$

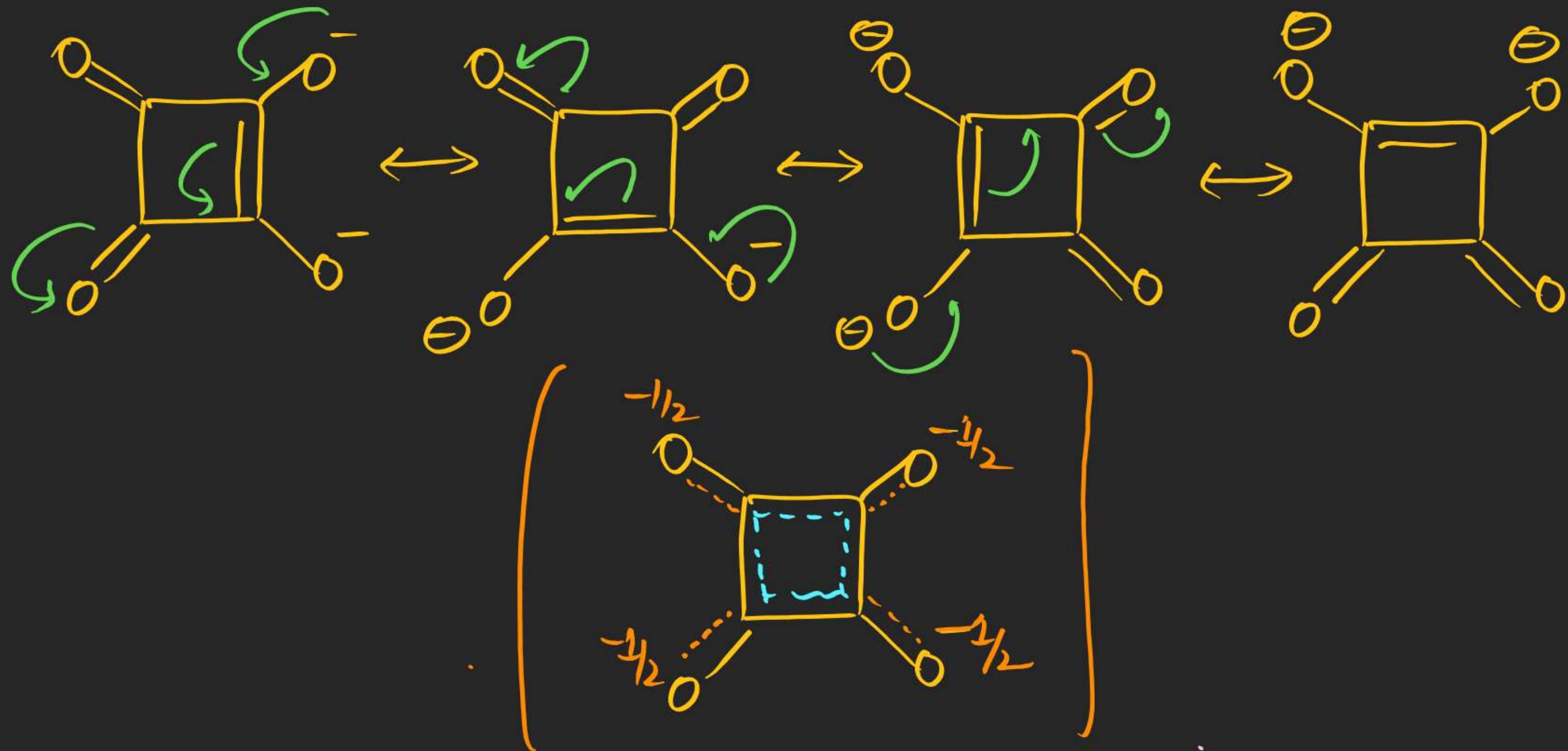


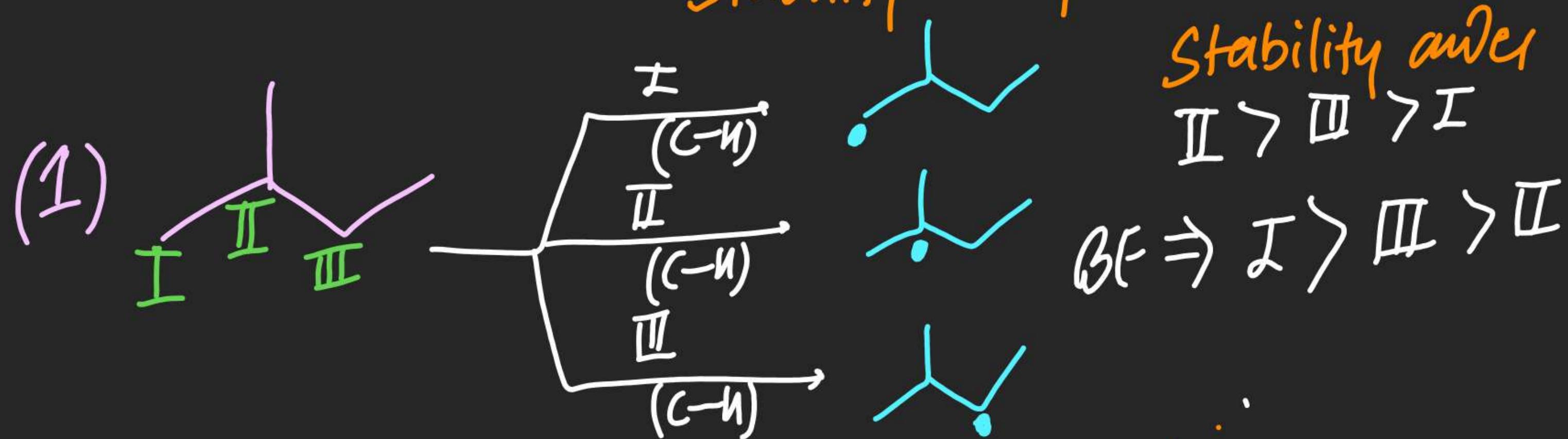
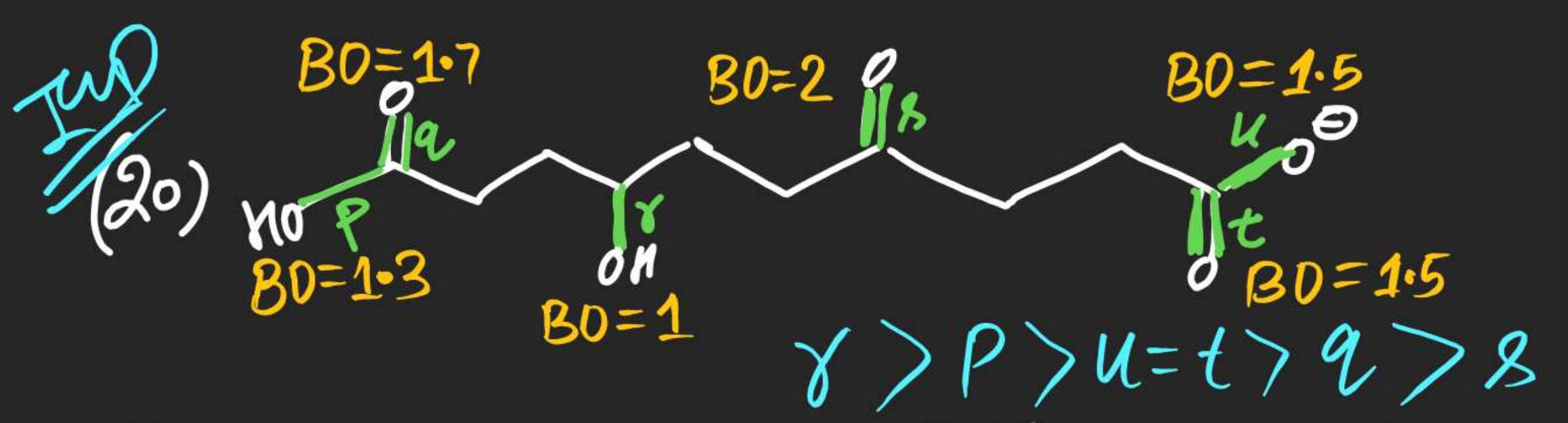


$y > x$
 ↓
 4 time Double
 1 time triple

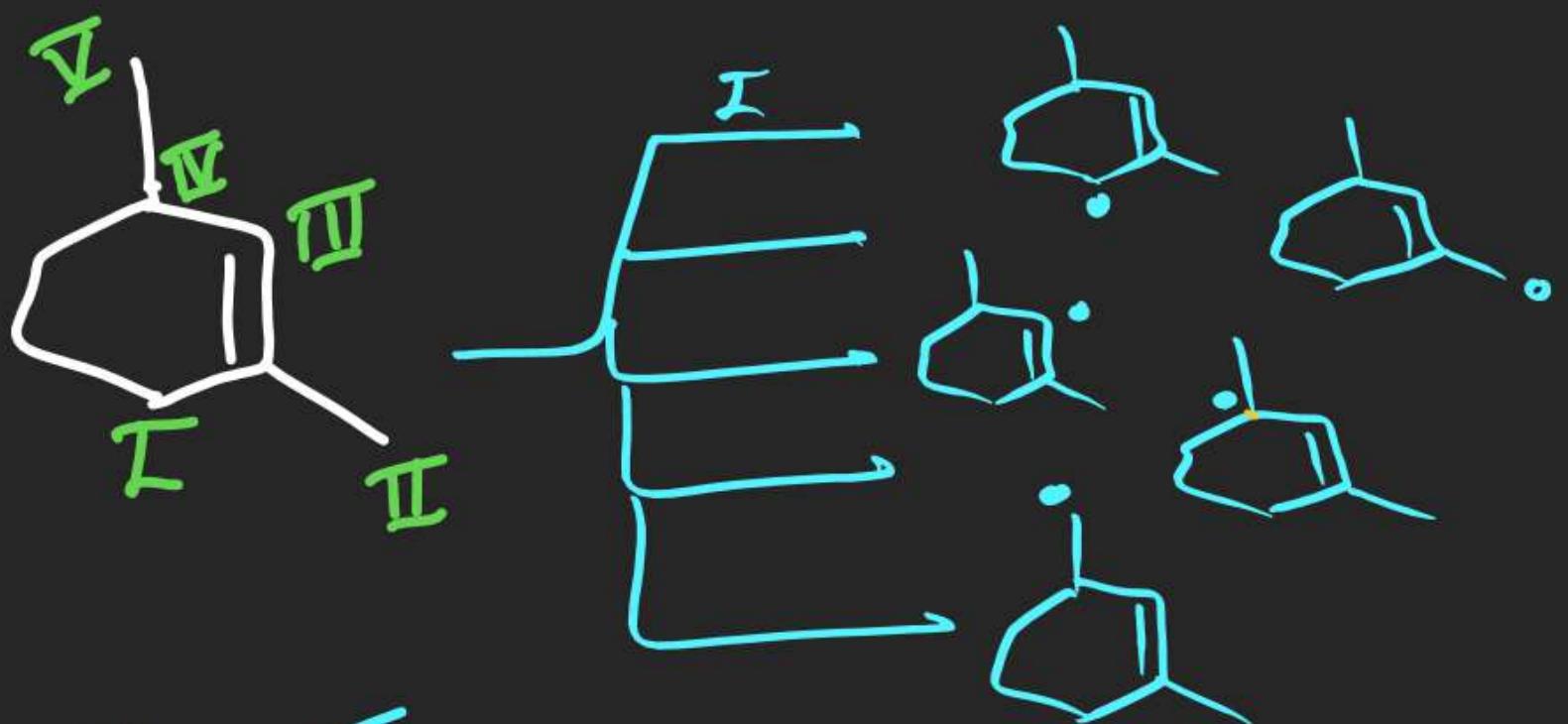


(19)





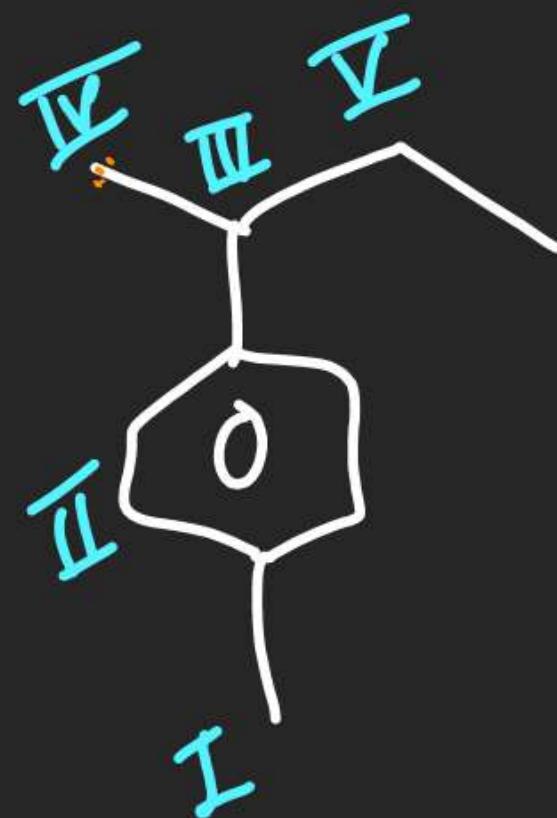
(2)

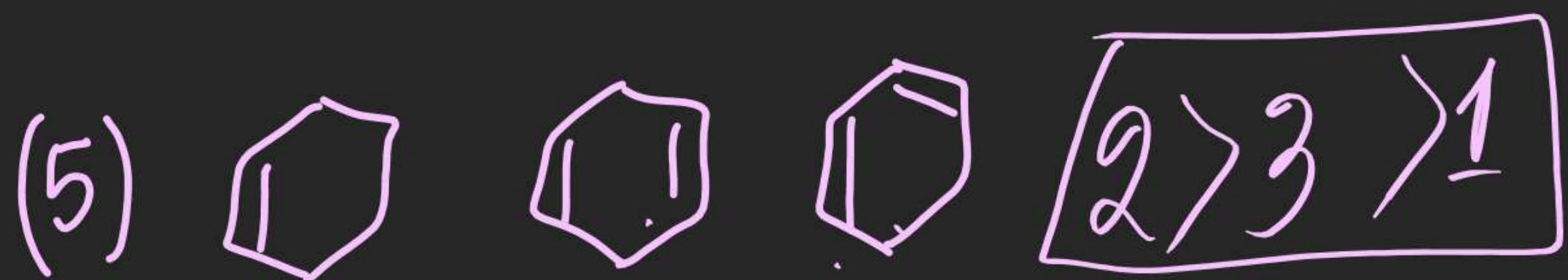
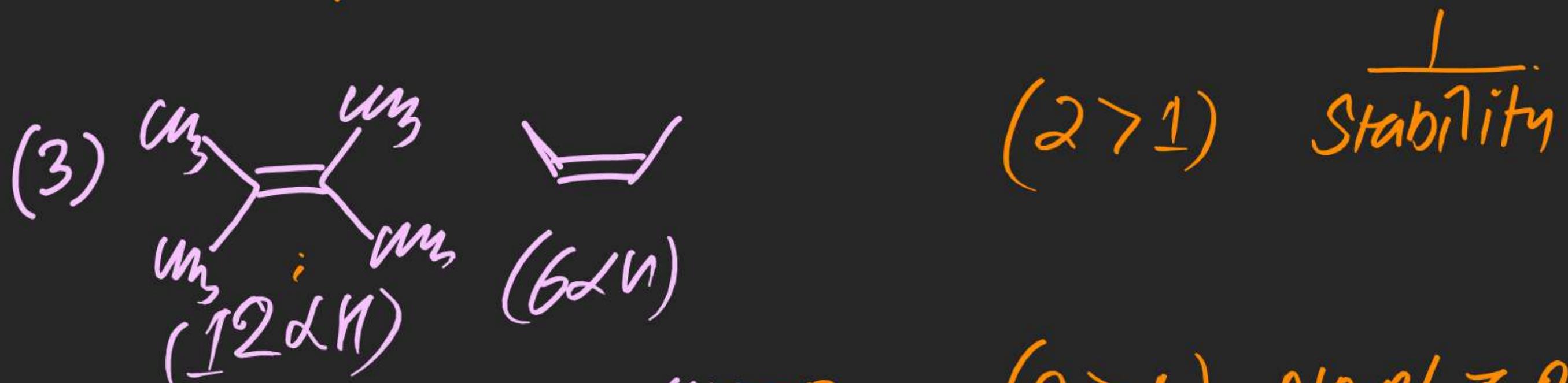


Stability order BE



(3)





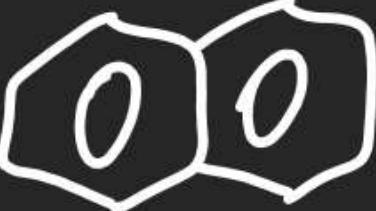
μ_{Dip}
(6)



$(2 > 3 > 1)$

(7)  (per π Bond)

$(1 > 2 > 3)$

(8) 


 $(3 > 2 > 1)$

(9) 



 $(2 > 1 > 3 > 4)$

