

(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

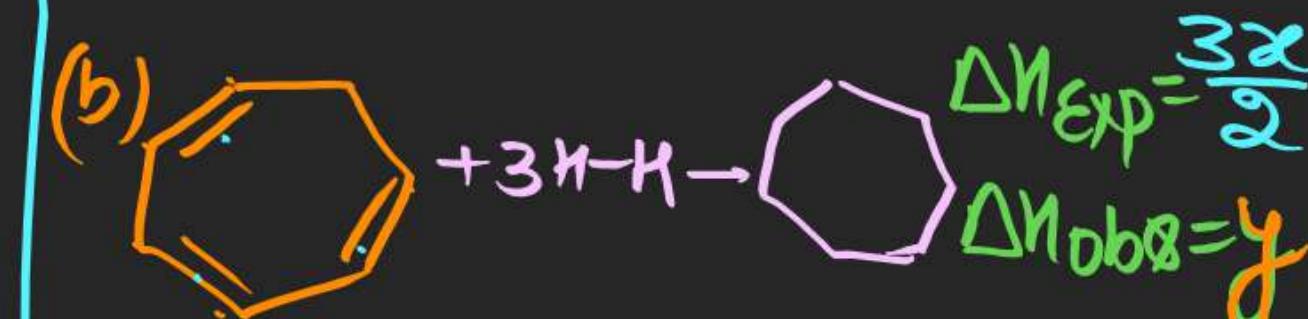
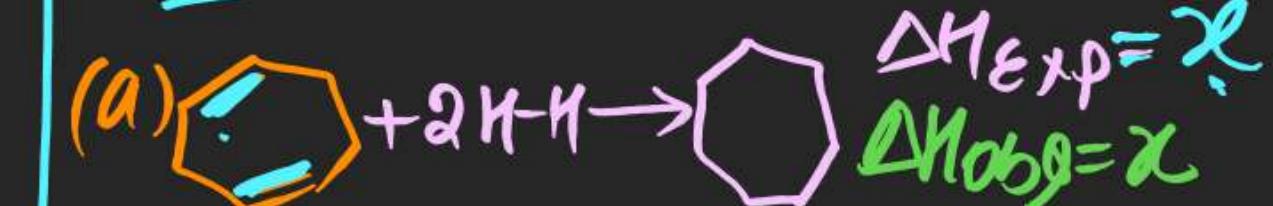


✓ (D) Hexa-1,3-diene

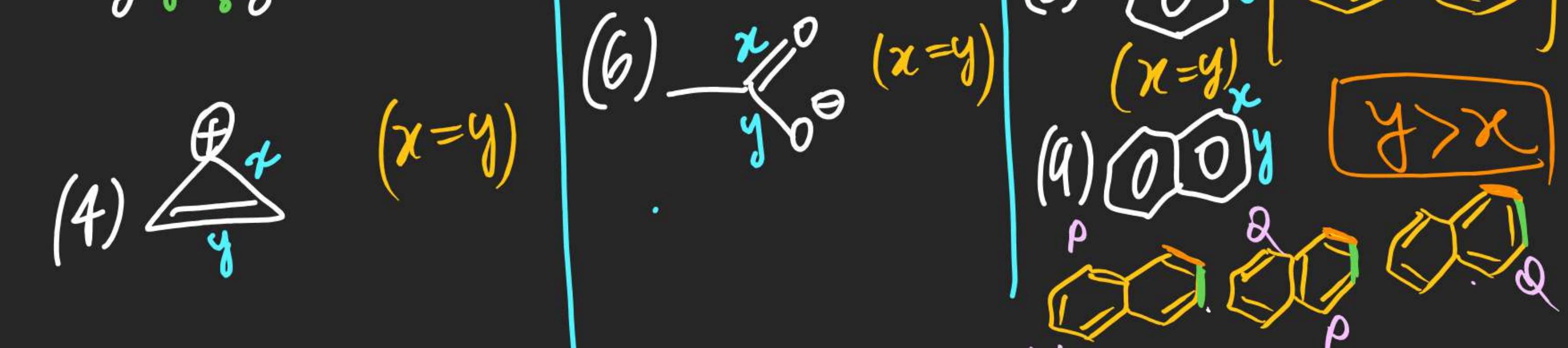


(24) Heat of Hydrogenation for Cyclohepta-1,4-diene & Cyclo

Soln(24)



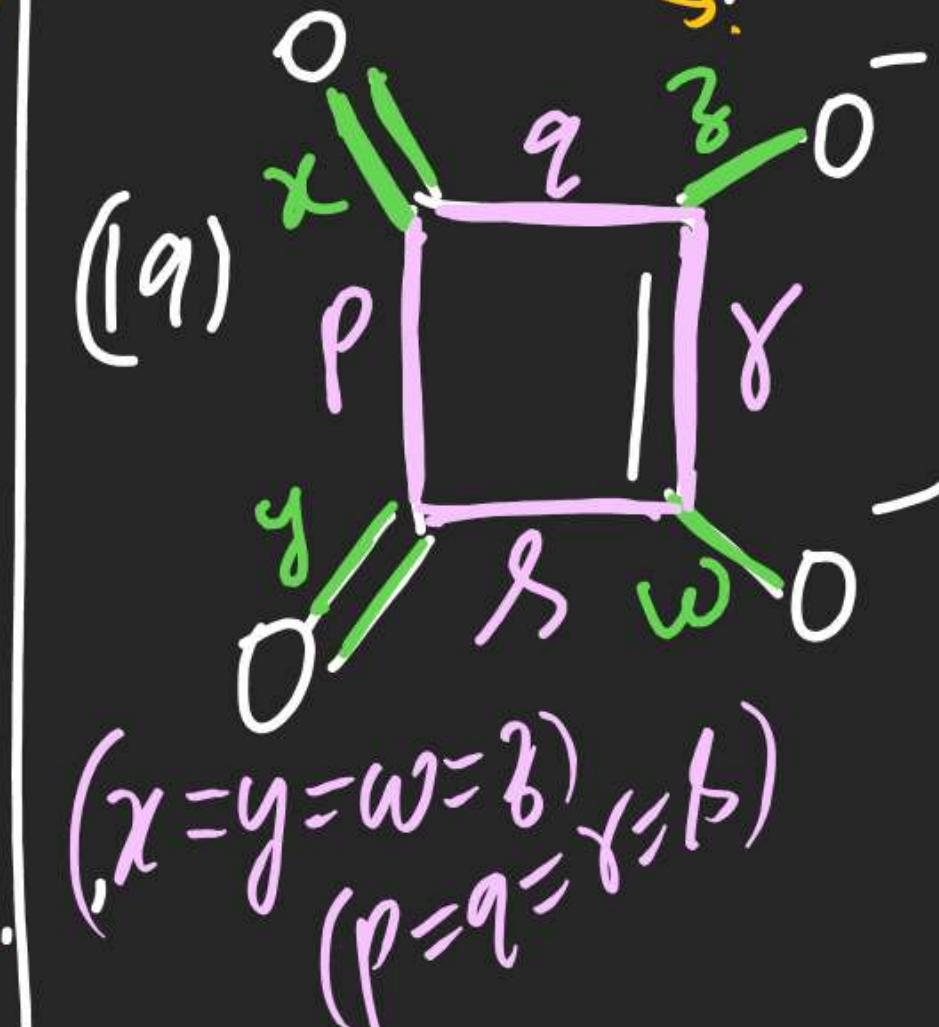
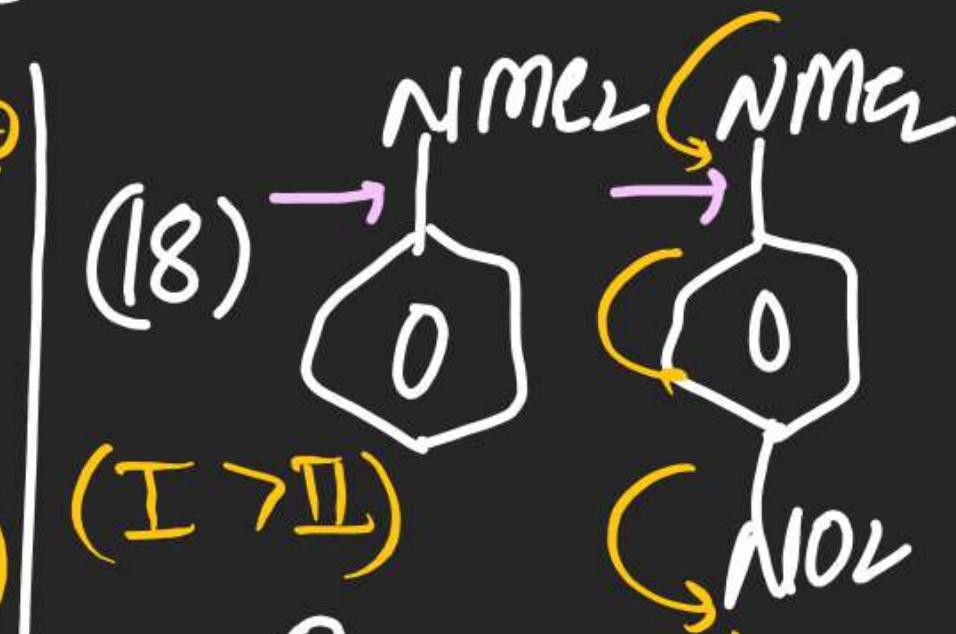
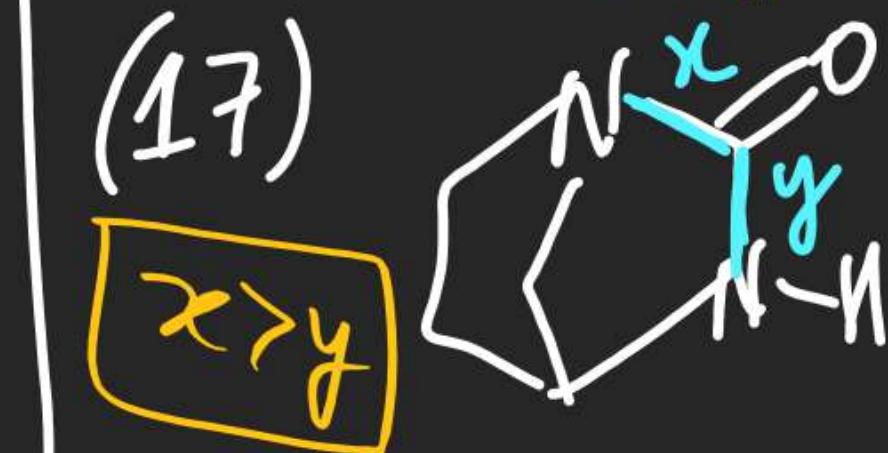
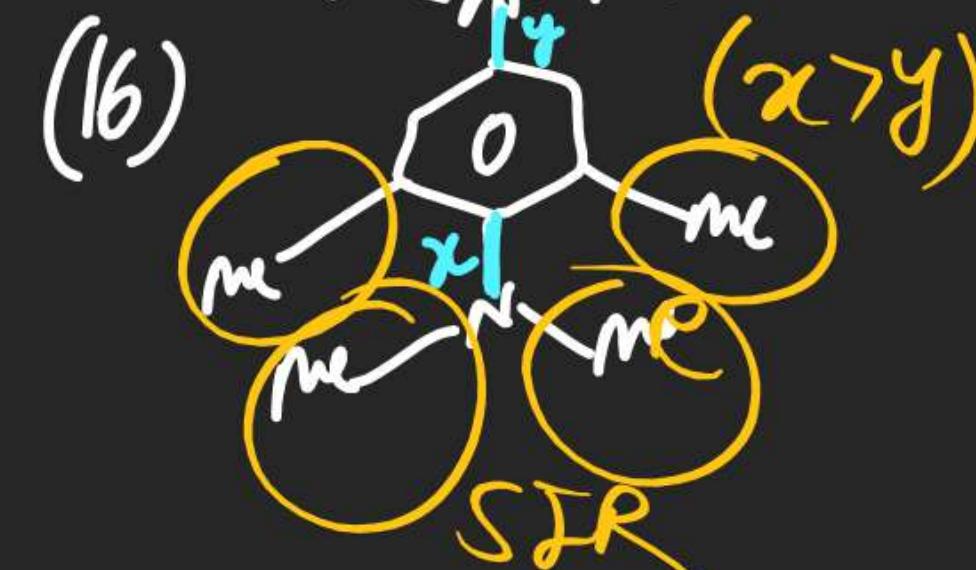
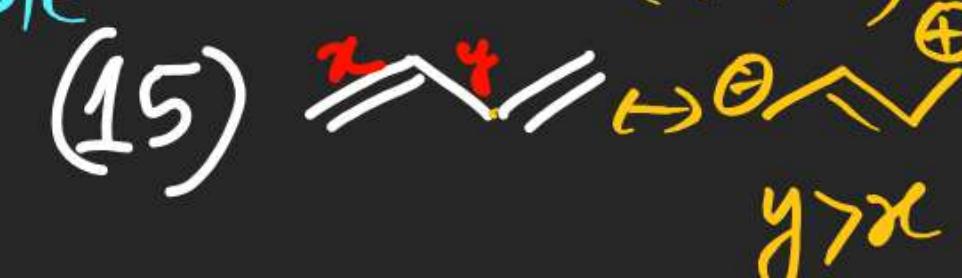
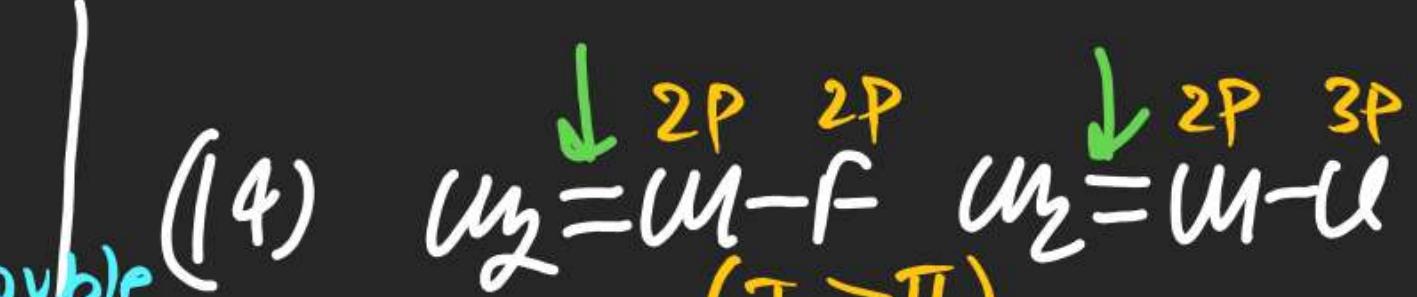
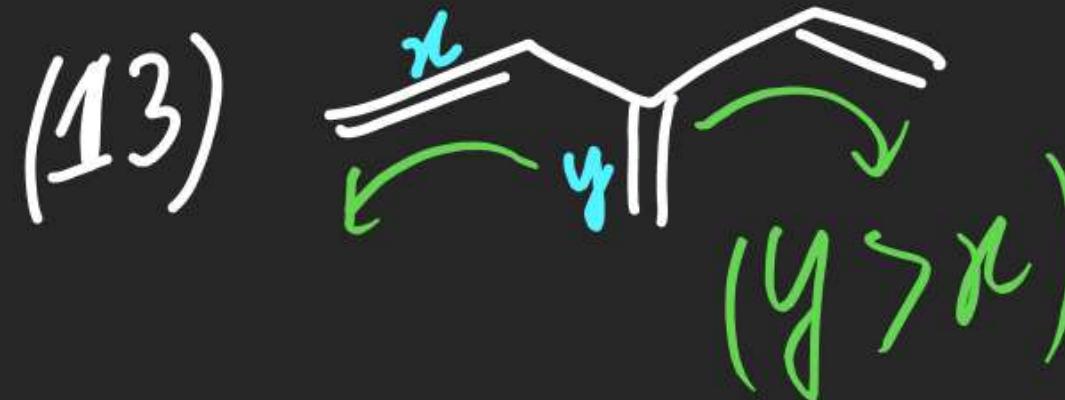
$$\frac{3x-y}{2} = RE = \overline{\Delta H_{\text{Exp}} - \Delta H_{\text{Obs}}}$$



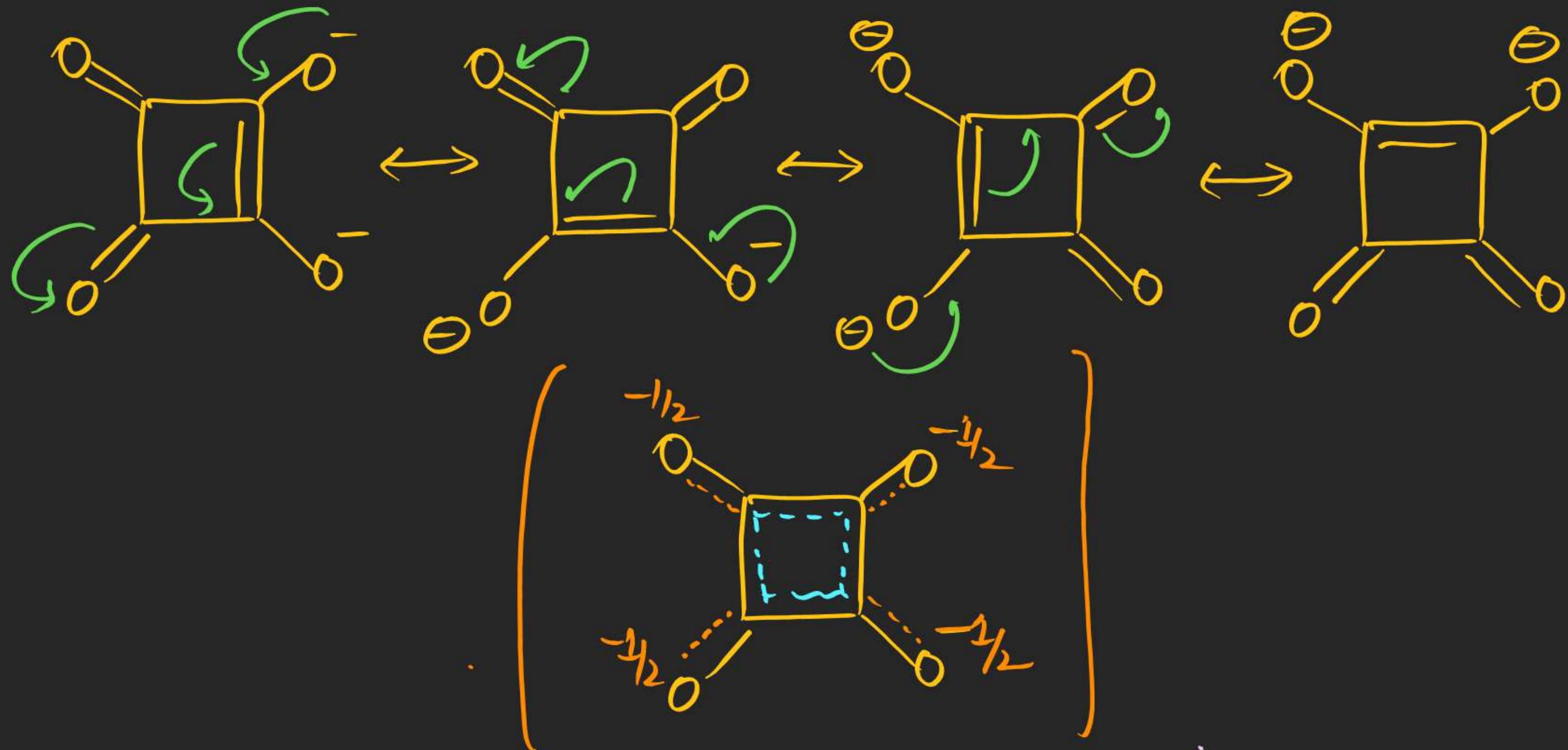


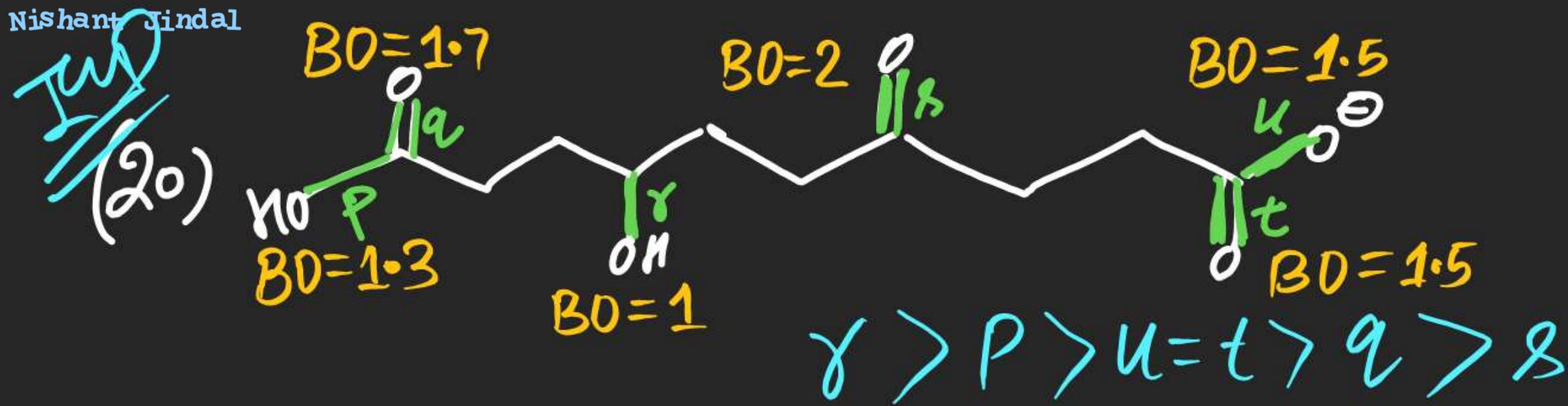
$(y > x)$

4 time Double
1 time Triple

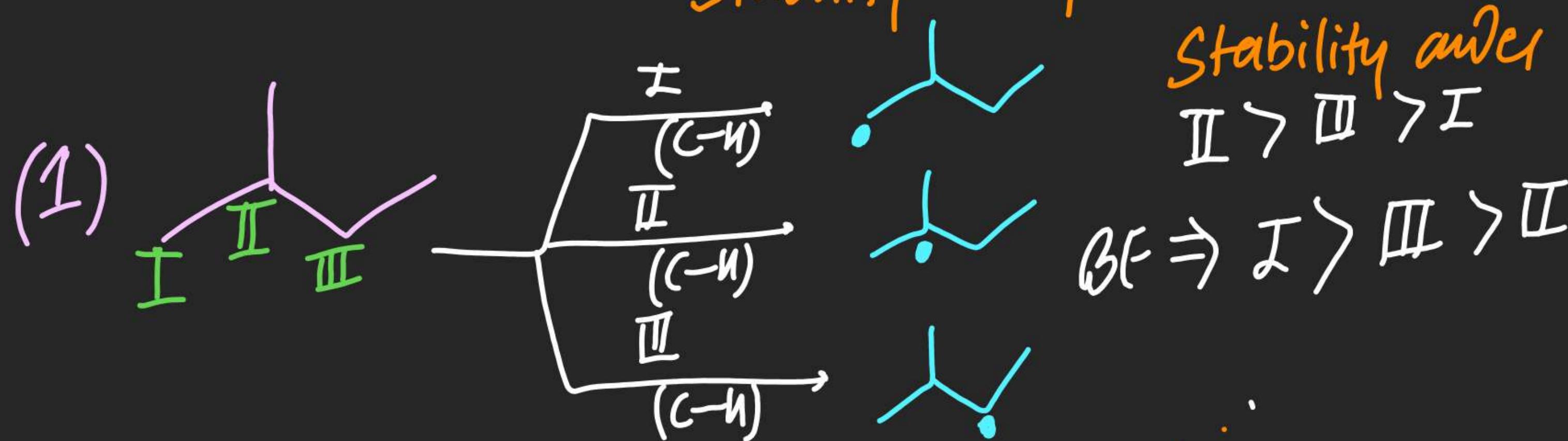


(19)

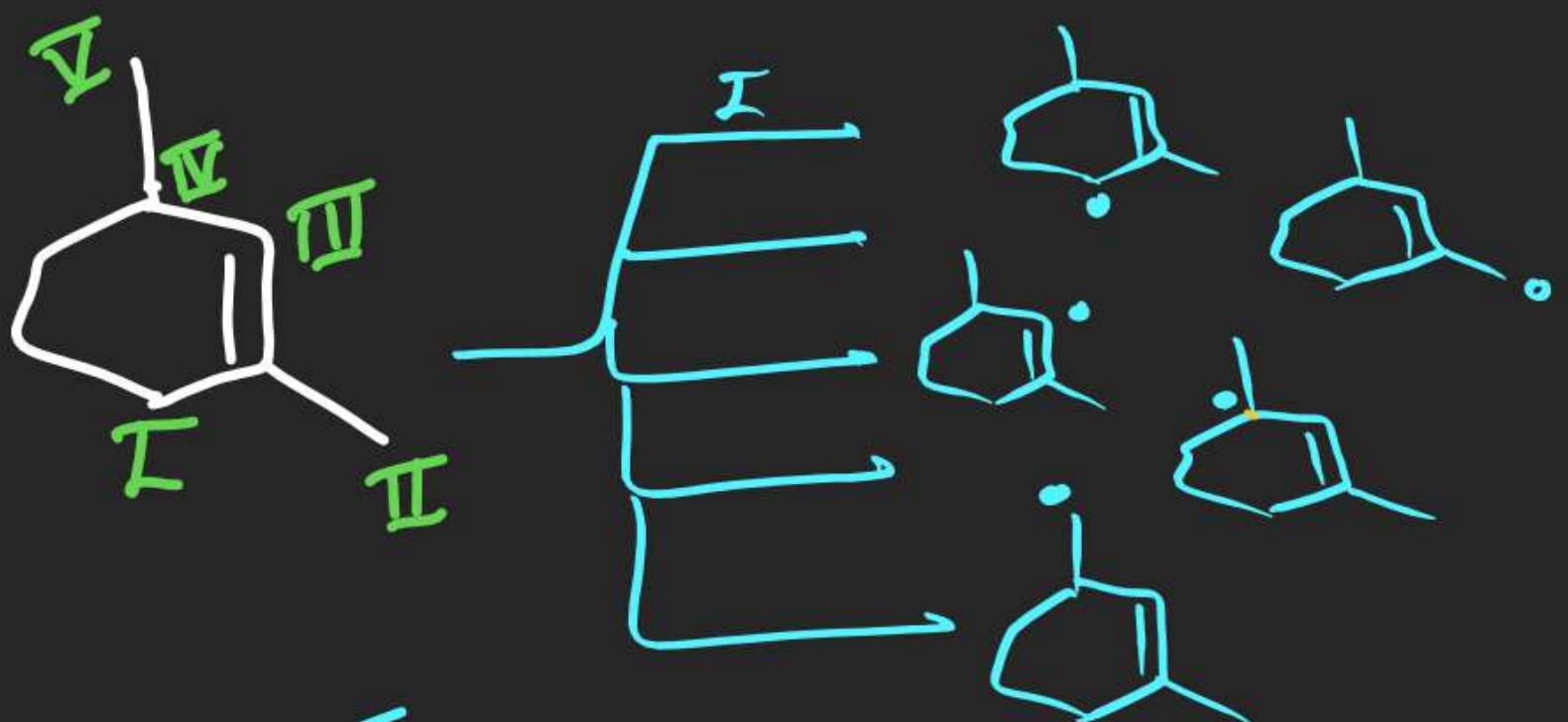




(#) Bond Energy : $\propto \frac{1}{\text{Stability order of f- Radical.}}$



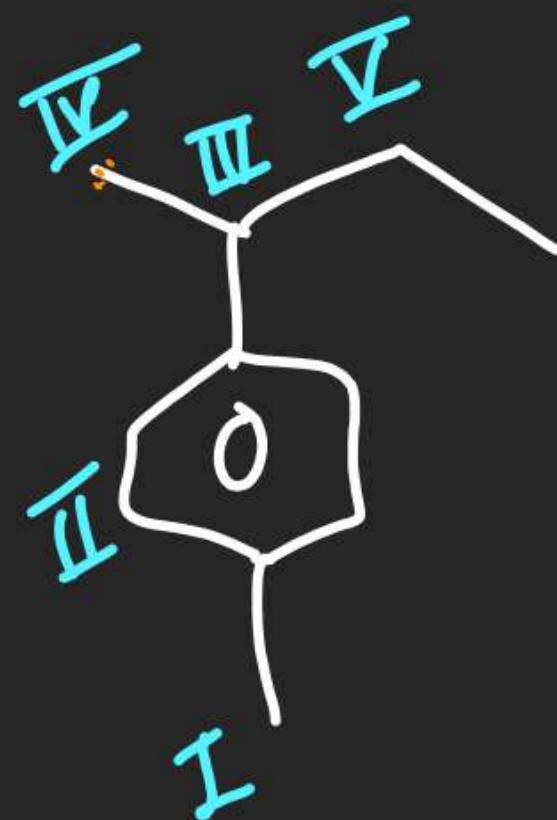
(2)

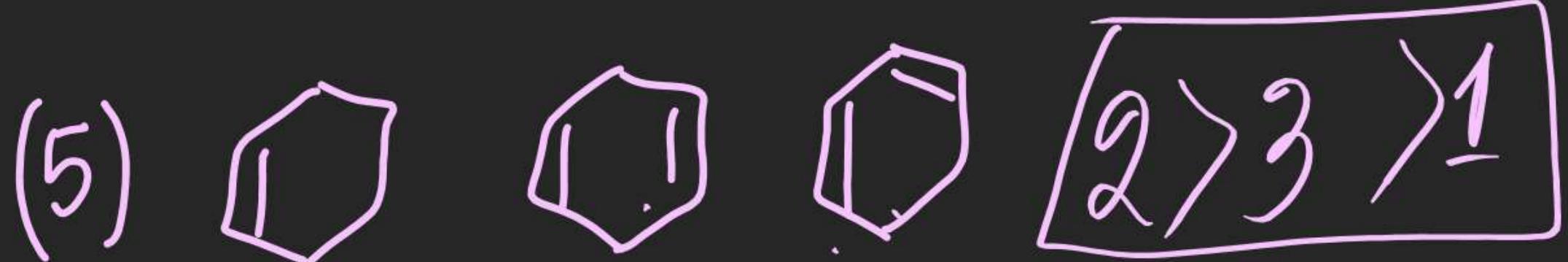
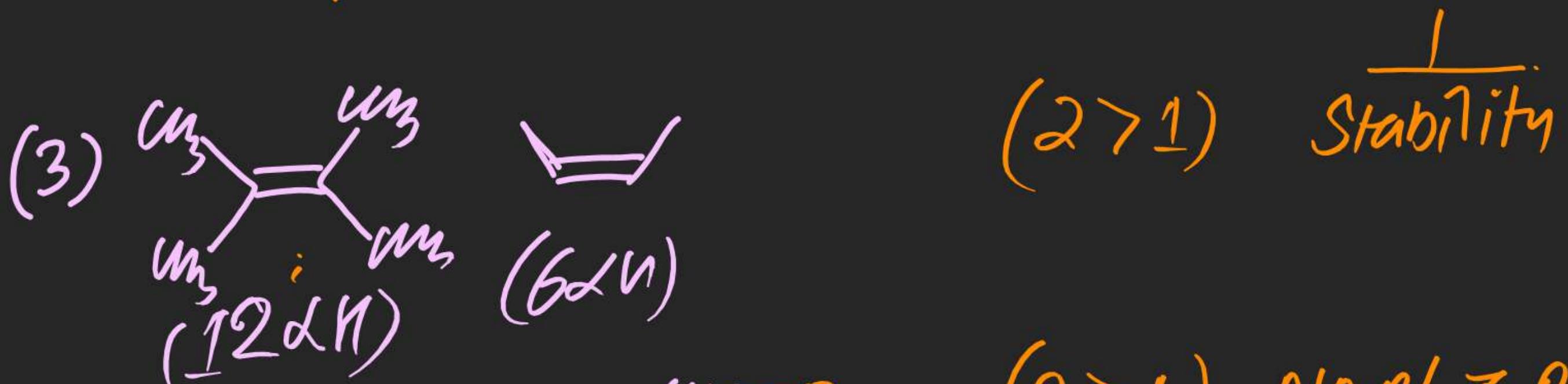


Stability order BE



(3)





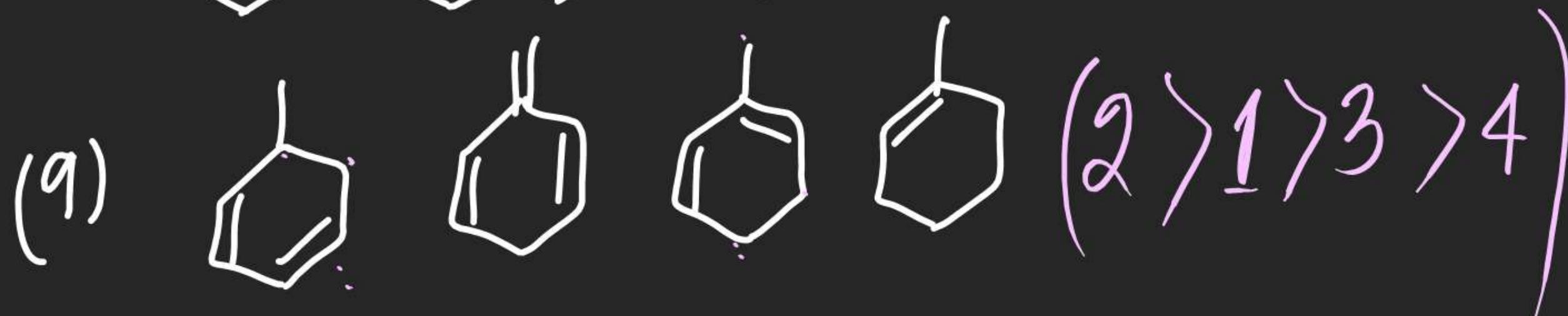
MCQ



(2 > 3 > 1)



(1 > 2 > 3)



~~M.P.W~~
(10)



\geq

NON

$1 > 2 > 4 > 3$

~~M.I.W~~

(11)



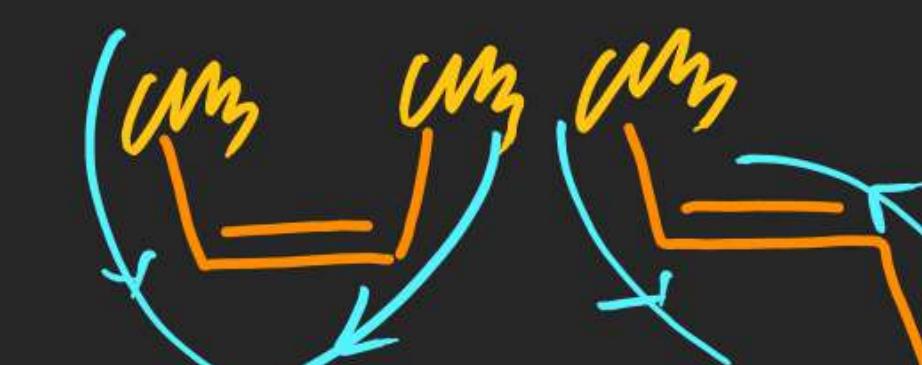
\geq

NOC

$1 > 2 > 3 > 4$

~~M.F.W~~

(12)



\geq

Stability

\geq

$4 > 3 > 2 > 1$