

Course on General Organic Chemistry for Class XI

Viva:

 $(1) \quad 102 \quad (-\pi)$ 

(2) - CM-che-che (+2)

(3) - CM= CM-CM3 (- I))

(4) - (= c- mg (-t))

(5) - cuz (-7)

(G) -ND2

 $(7) - 0 - G - \alpha (-1)$   $(8) - 24 - G - \alpha (-1)$ 

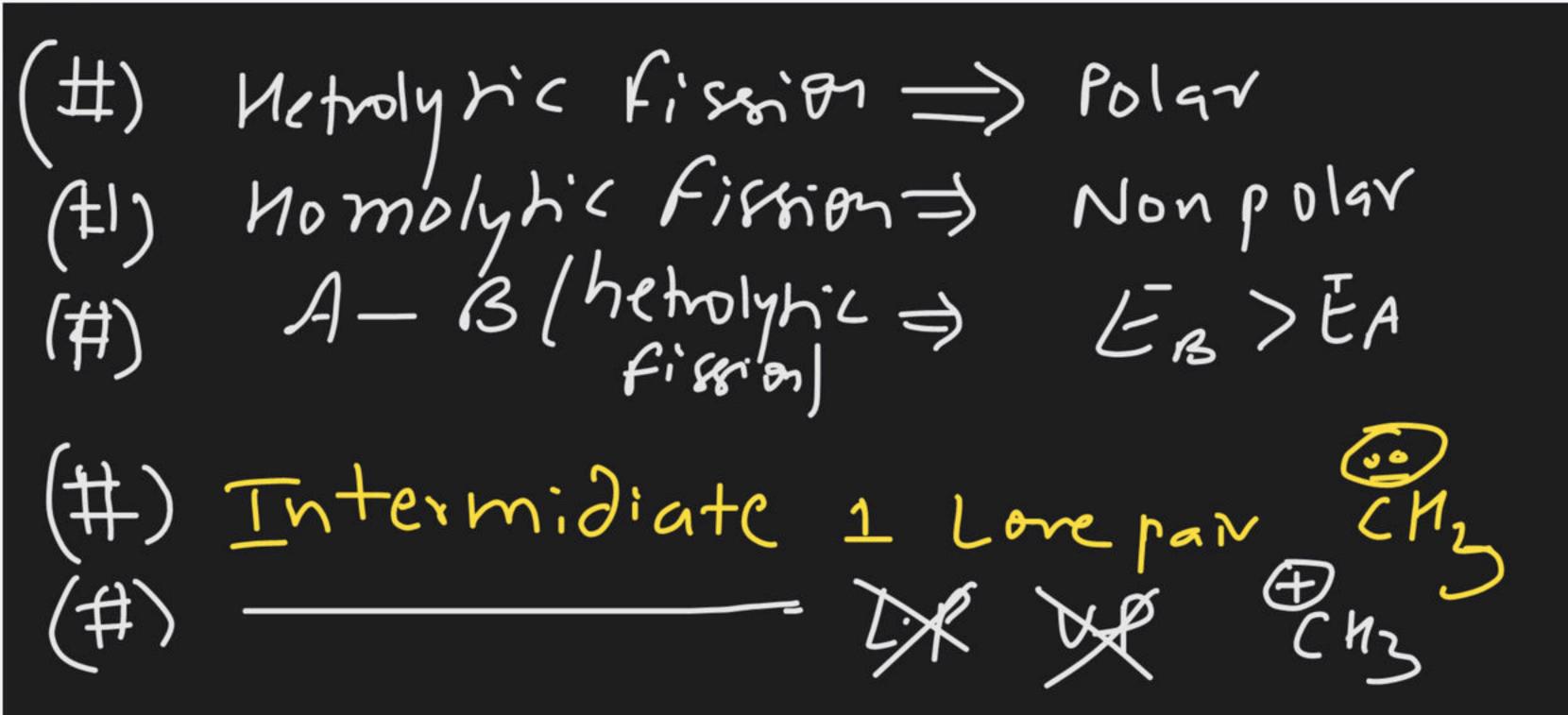
(g) — 0- ~= 0 (-2)

(10) -0-11/50 (-L)
(11)
(11)
(11)

(13) - N=me (-E)

(14) -N=0 (-T)

(15) -- RIM (+I)



$$\frac{h\omega}{1}(Discussion) + Escries$$

$$\frac{1}{1} - f > -(1) - hr > -E$$

$$\frac{1}{2} - (f_3) - (c_3) - (h_3) - (f_3) - (f_3) - (h_3)$$

$$\frac{1}{3} - (h_3) - (h_3) - (h_3) - (h_3)$$

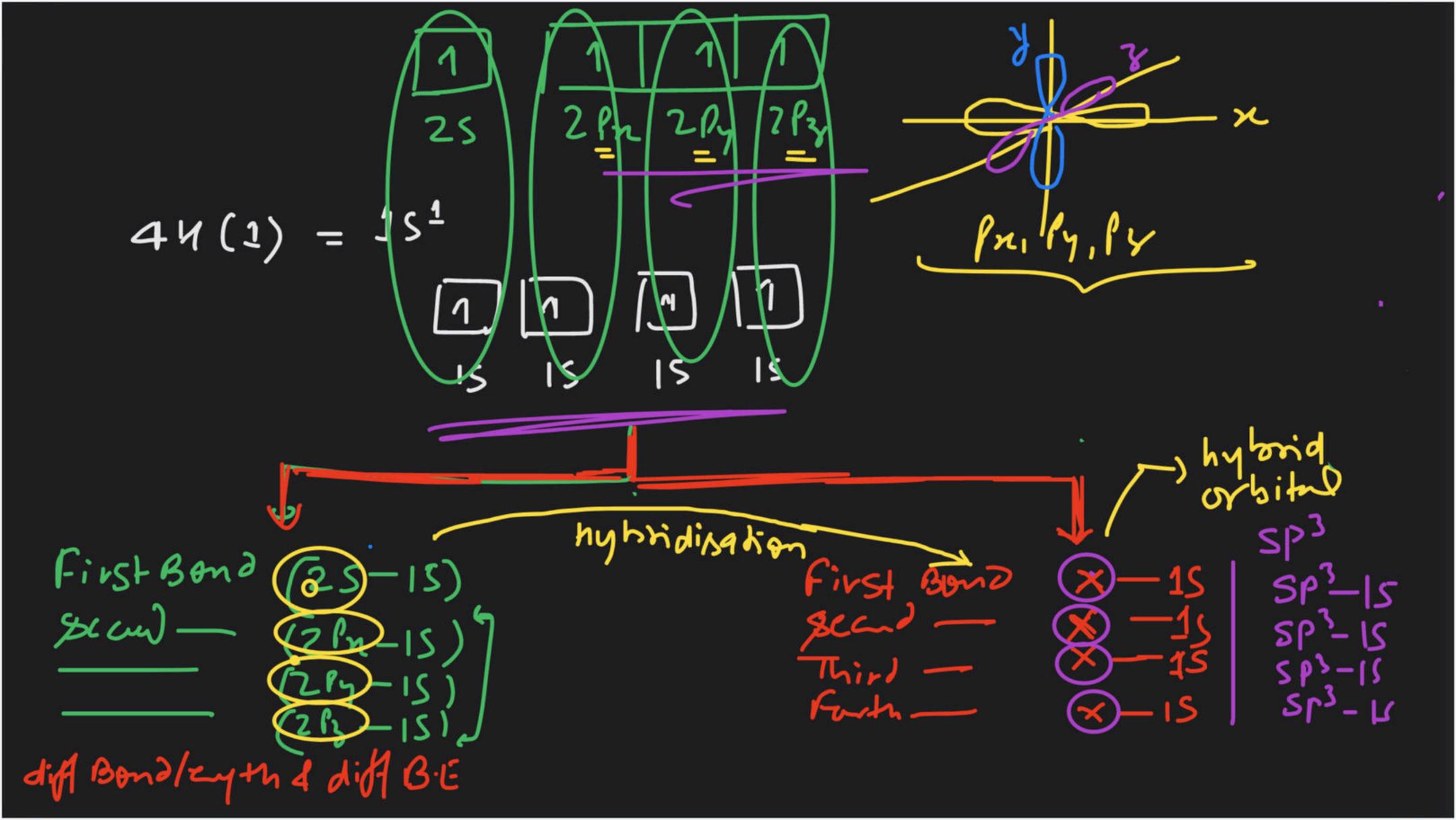
$$\frac{1}{3} - (h_3) - (h_3) - (h_3) - (h_3)$$

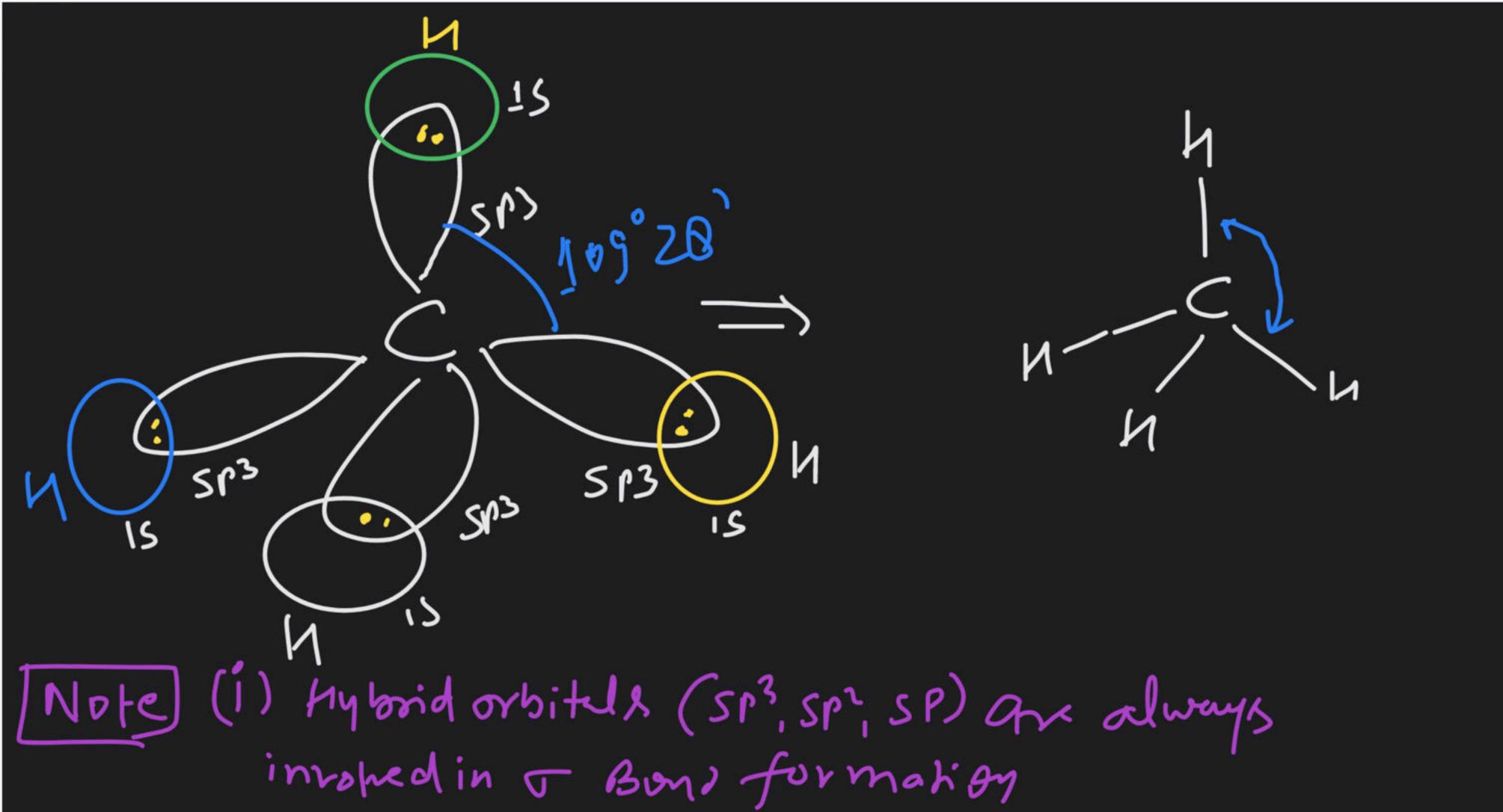
$$\frac{1}{3} - (h_3) - (h_3) - (h_3) - (h_3)$$

$$\frac{1}{3} - (h_3) - (h_3) - (h_3) - (h_3)$$

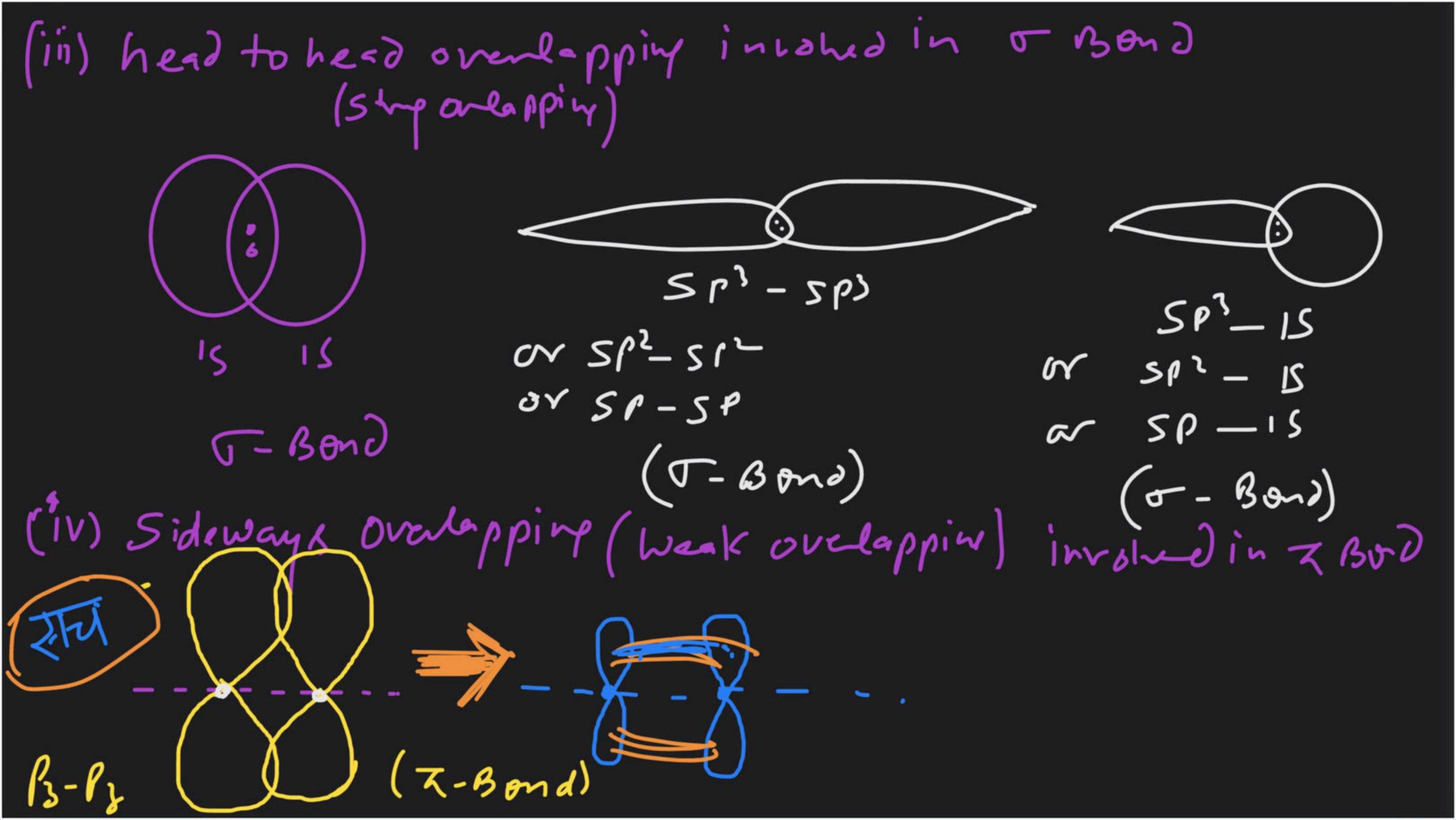
$$\frac{1}{3} - (h_3) - (h_3) - (h_3) - (h_3)$$

$$\frac{1}{3} - (h_3) - (h_3) - (h_3) - (h_3)$$





(ii) Unhybrid orbitals (Py, Py) our always involved in To Bond formation



=> If atom Contains Spi hybridisation then Bondayle (as  $z = -\frac{1}{i}$ for Sp>=> [=3 => (a)=-1/4=10920 forspicz ゴ God=-! H=20 Casp コ(ニュコ) いスニーエコレベニョ ~= 107° => (an 307°=-+ +) == イ= 105° =7 (m)・5°= -1 =7 (= 4 =7 SP4 (SV)=-

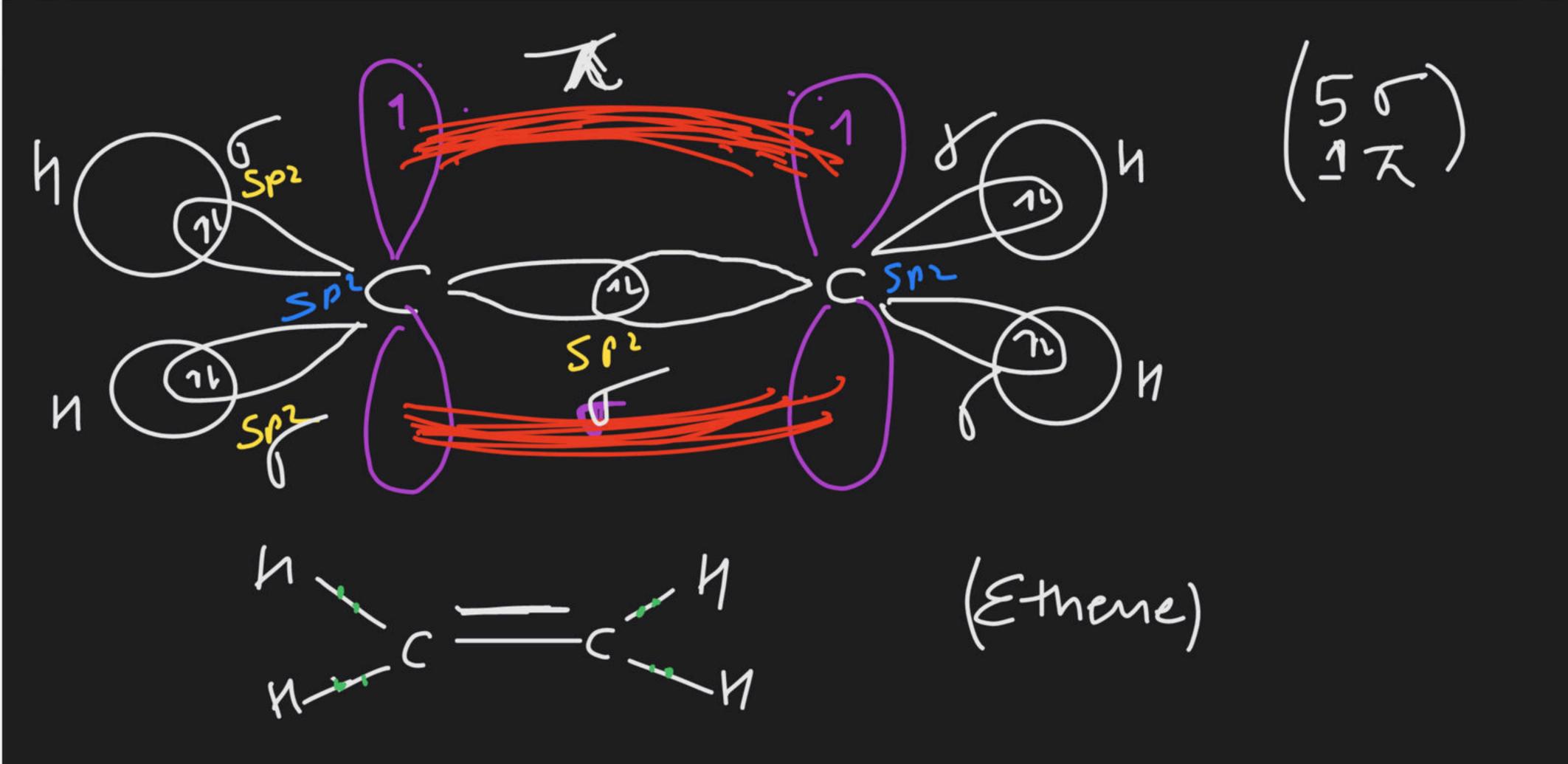
$$C(G) = 15^{2} 25^{2} 2 p^{2}$$
AL 1 1 1

Excited State 1 1 1 1 1

25 2 p 2 p 2

Sp2 Sp2 Sp2 Sp2 P 3

(F F F 7



## SP Hybridisation

