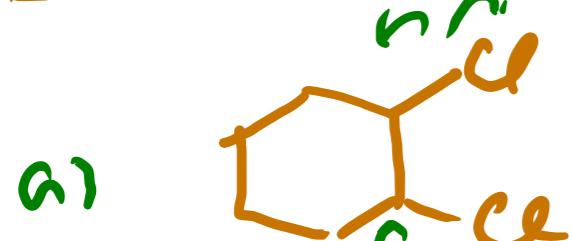
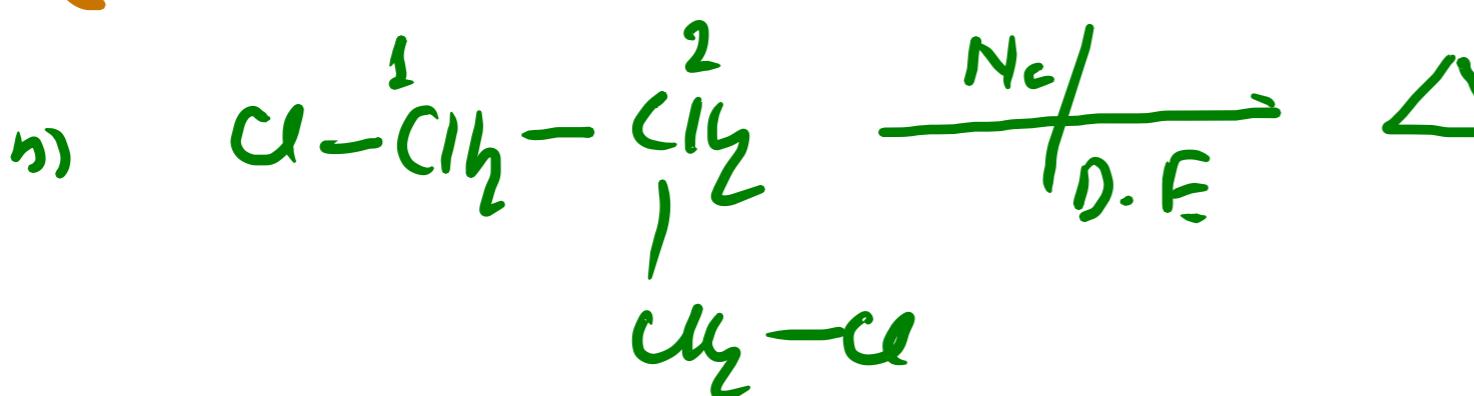
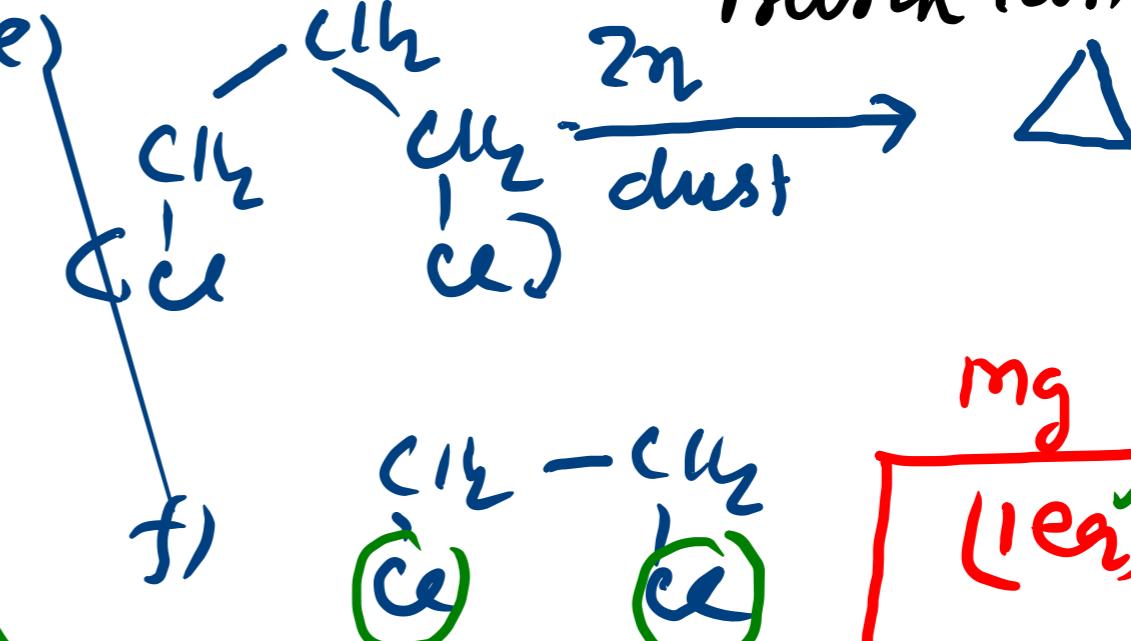


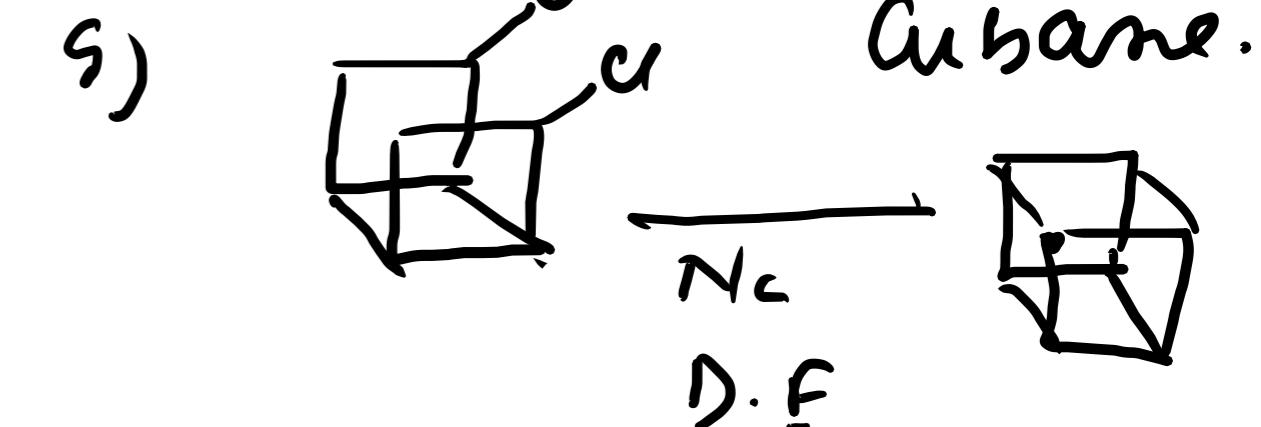
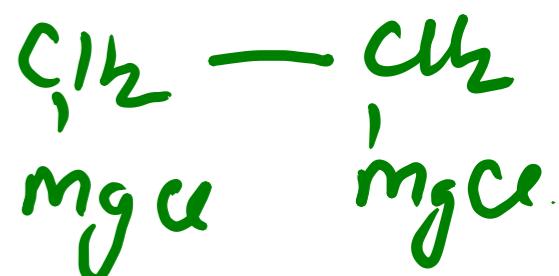
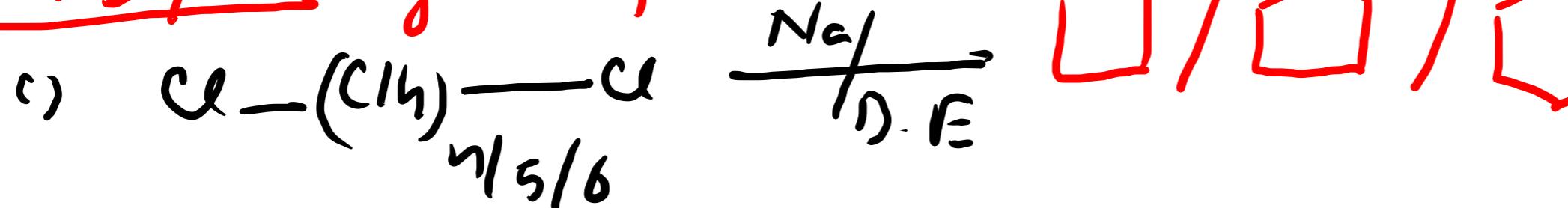
Intramolekulare Wurtz (vergessen)

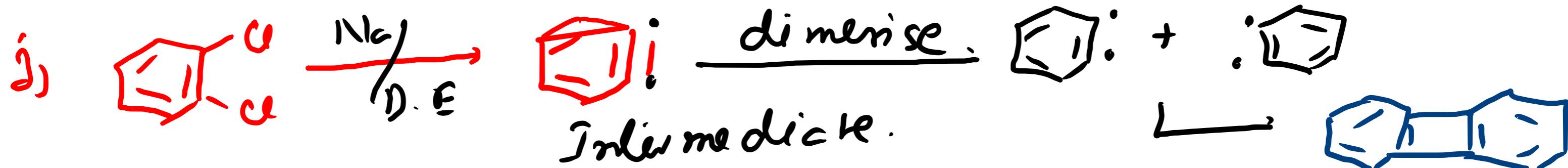
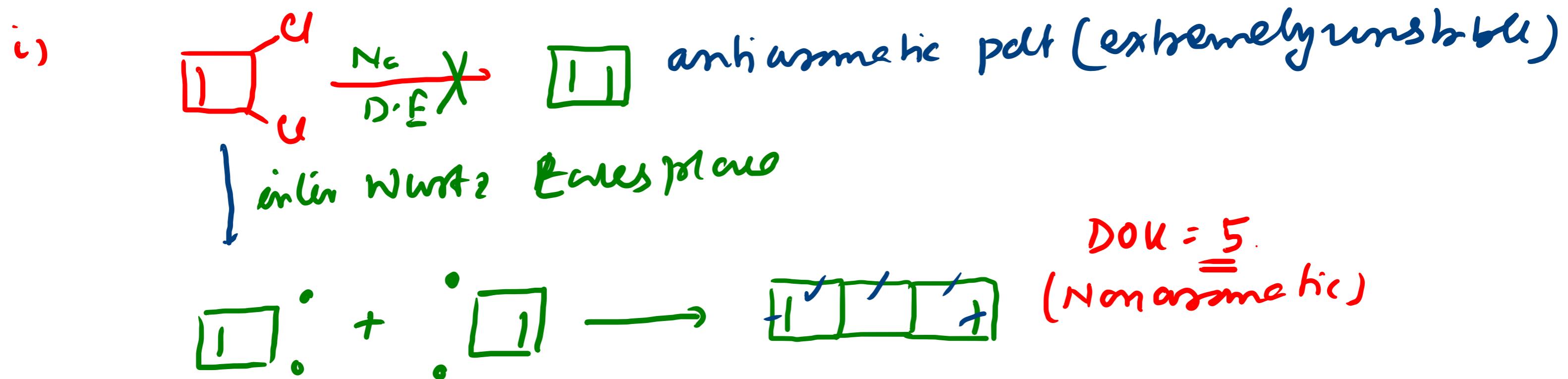
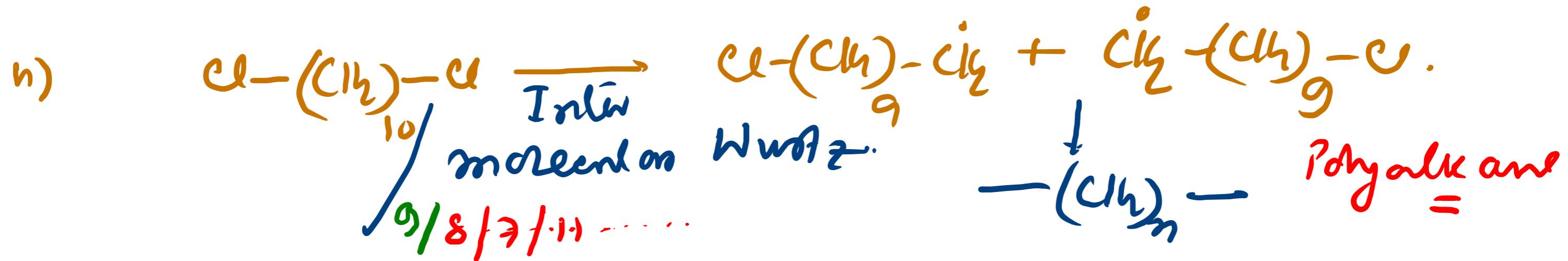


(Dihalide)



3/4/5/6 nij 3 is fawer.





k)



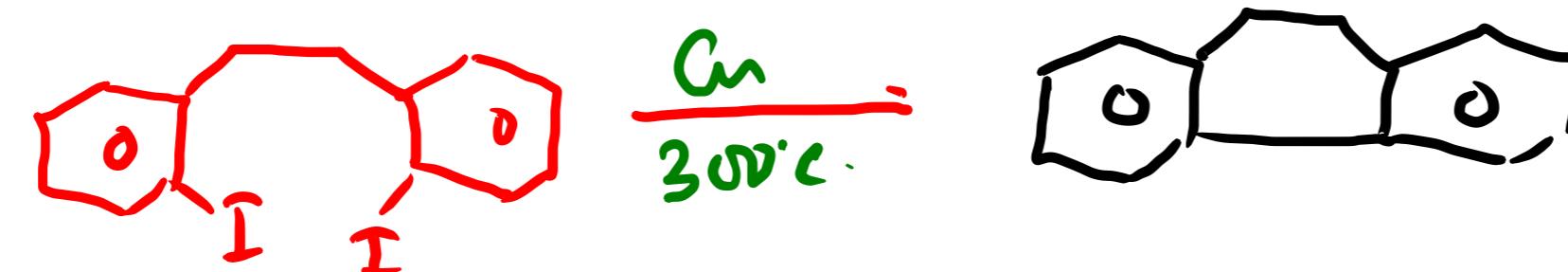
High temp; free radicals
Ulman reacn.

l)



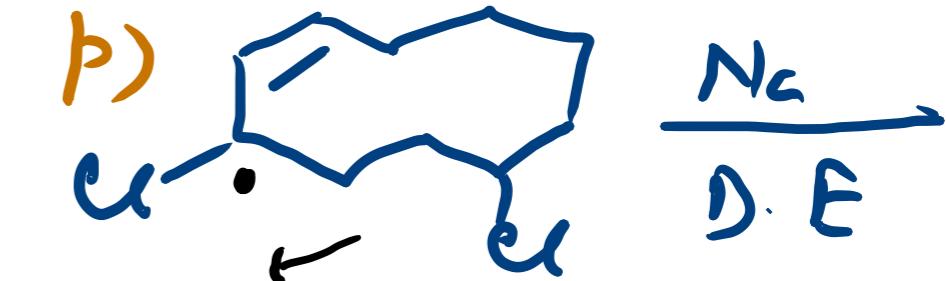
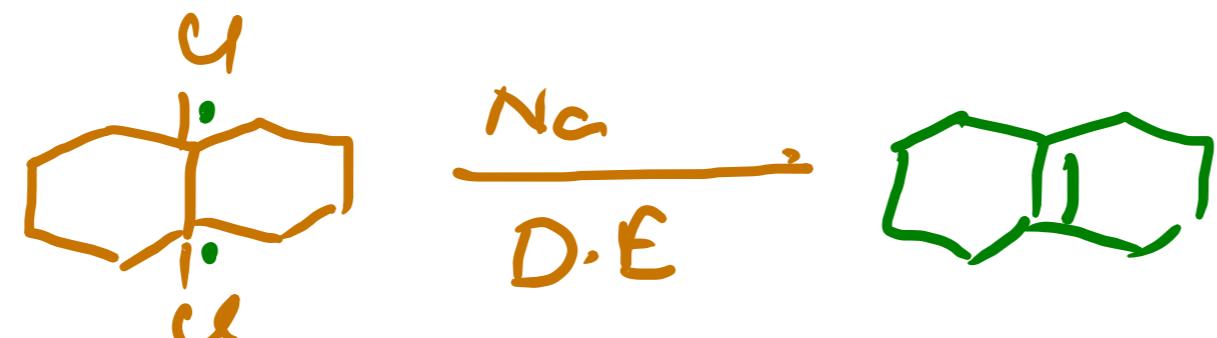
Intra Ulman.

m)



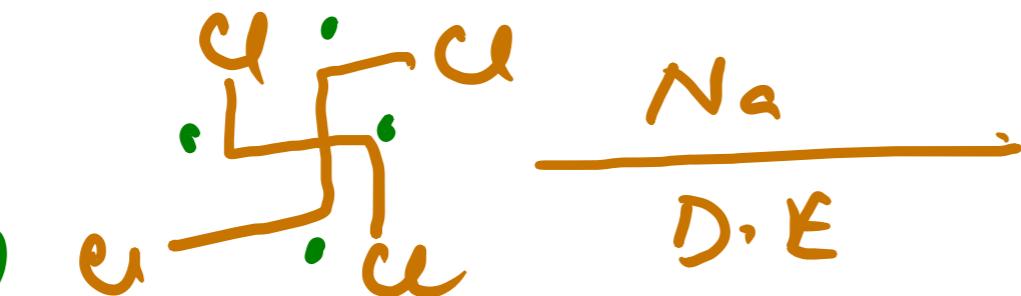
Intra Ulman

n)

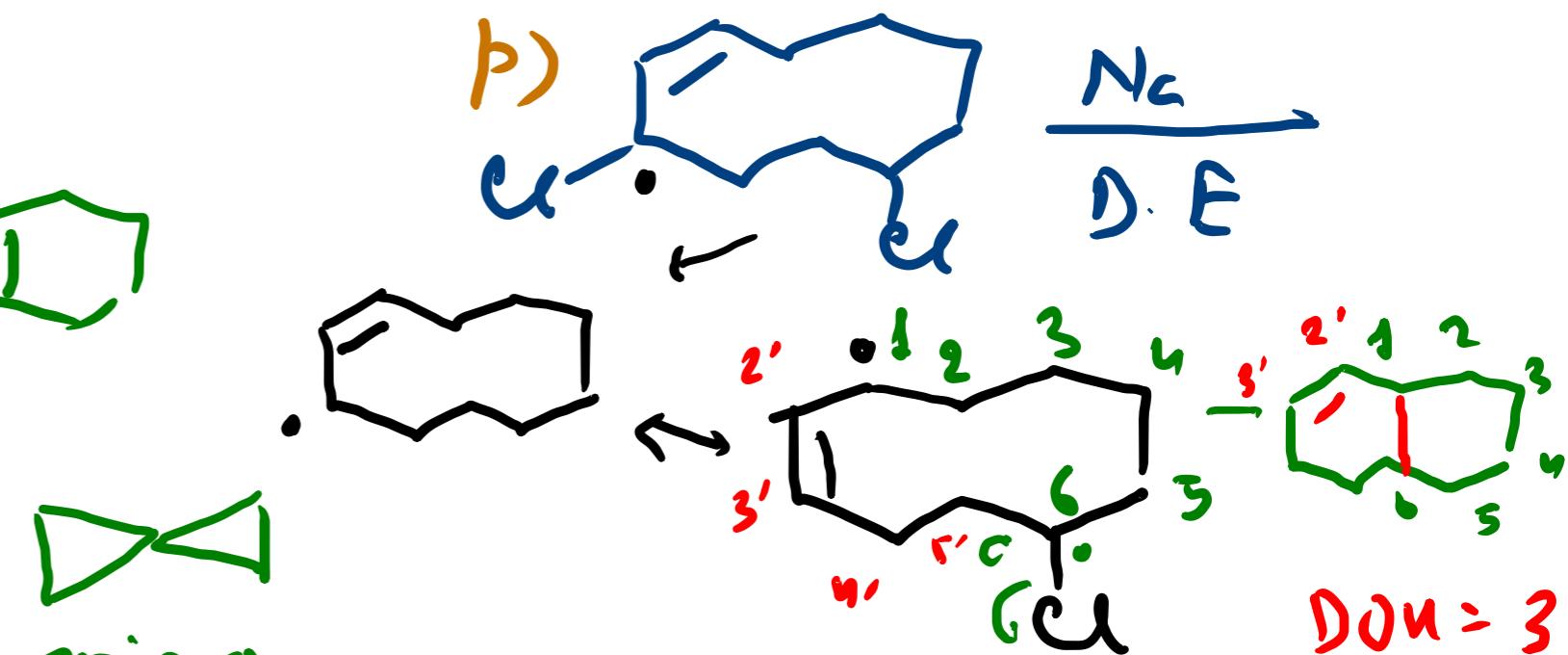


o)

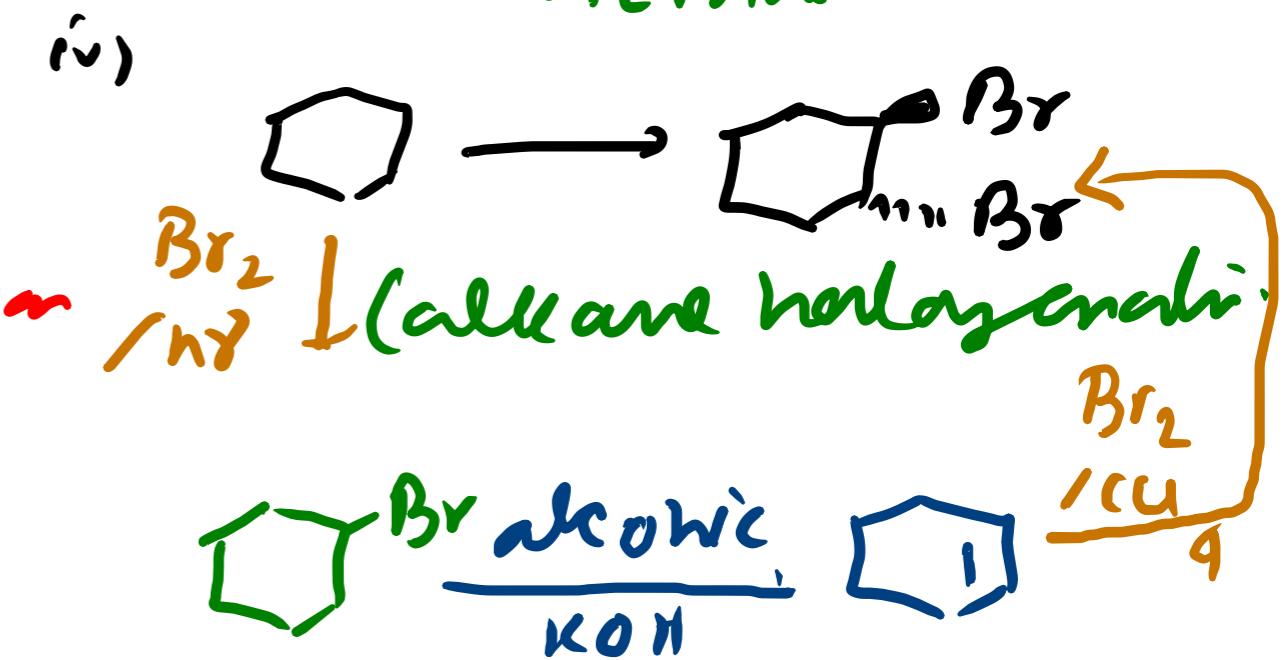
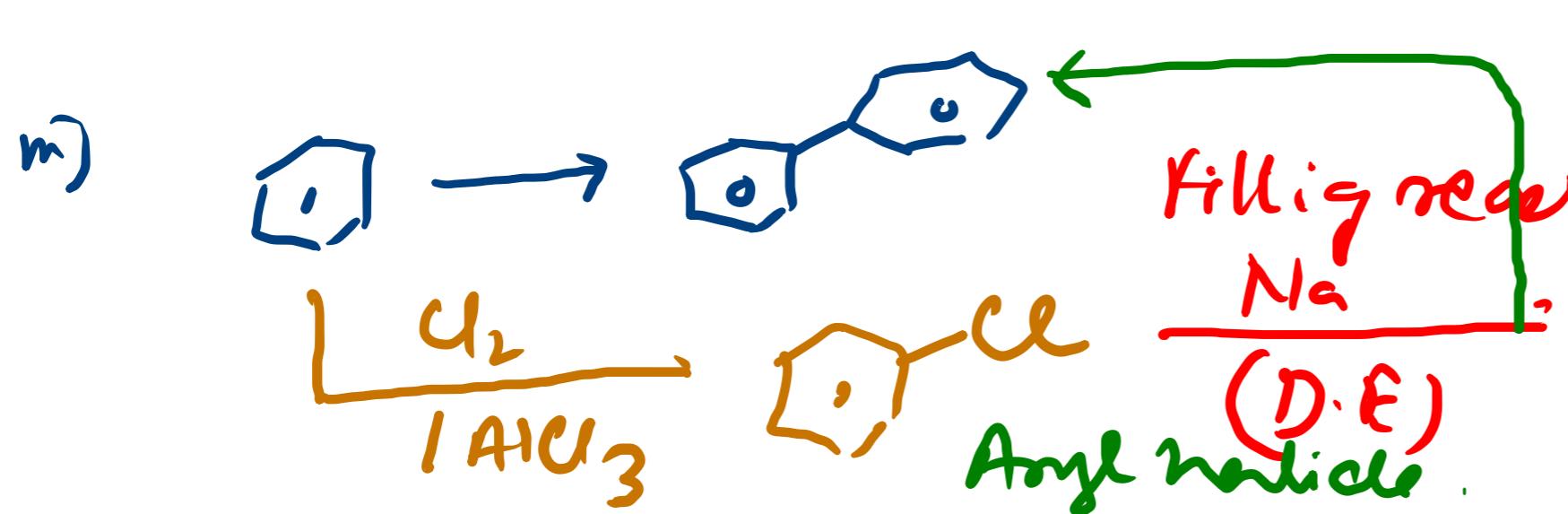
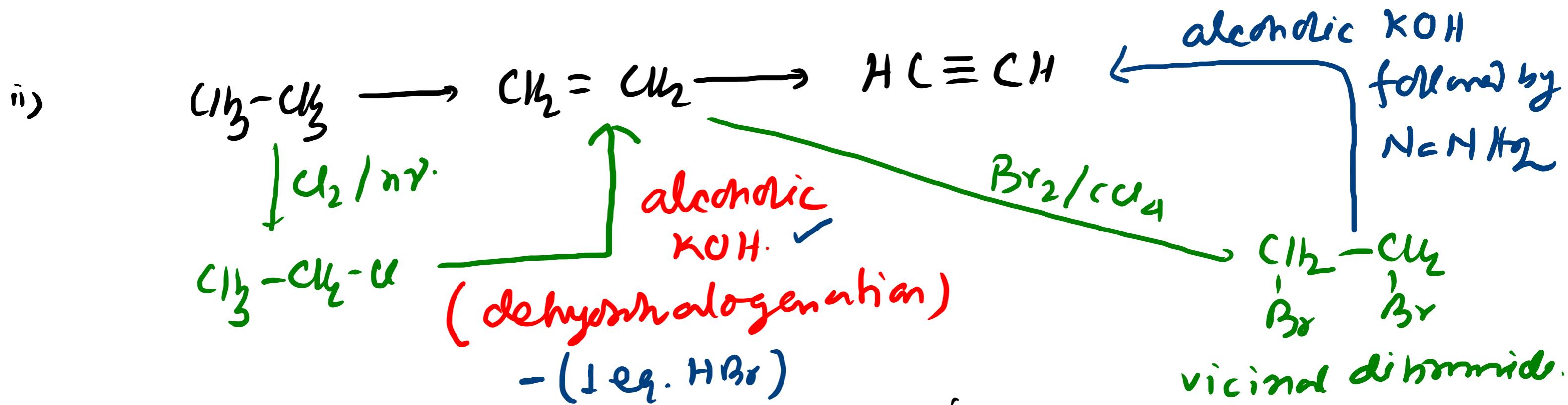
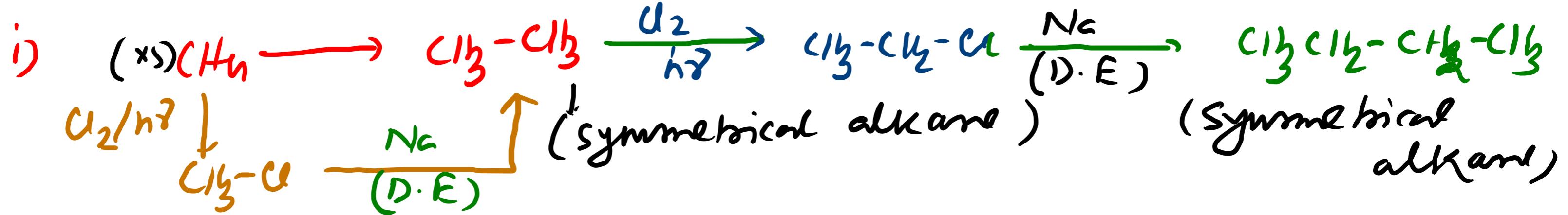
(tetrachloride)



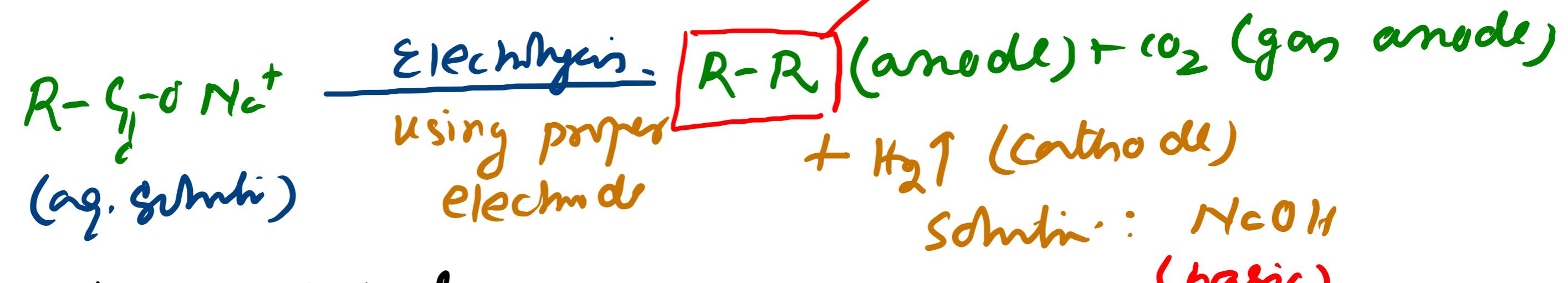
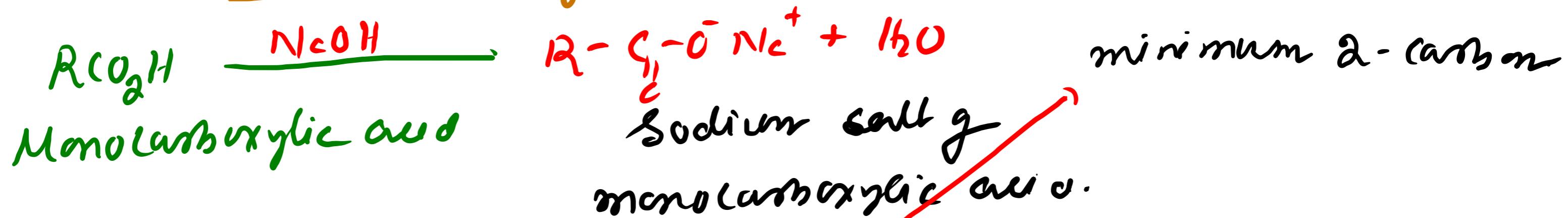
spiro
product.



DDH = 3



: Kolbe Elektrolyse



\Rightarrow CH_3 can't be prepared

\Rightarrow symmetrical alkane $>$ nonsymmetrical alkane.
 bitg solubility gradually increases ↑.

\Rightarrow even no. of carbon atoms \rightarrow odd no. of carbon atoms.

Mechanism:

JIT

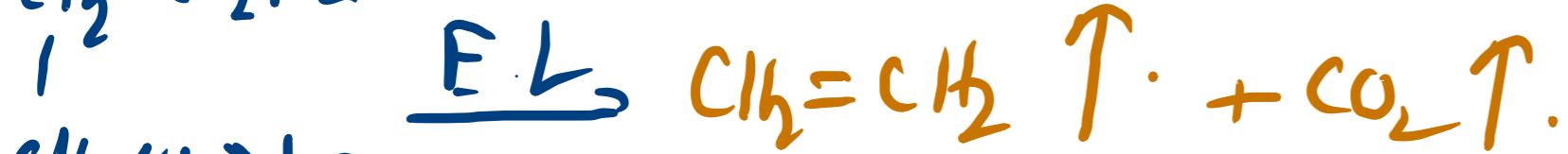
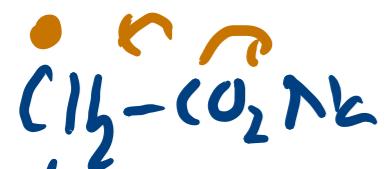


\uparrow NaOH
Sodium succinate

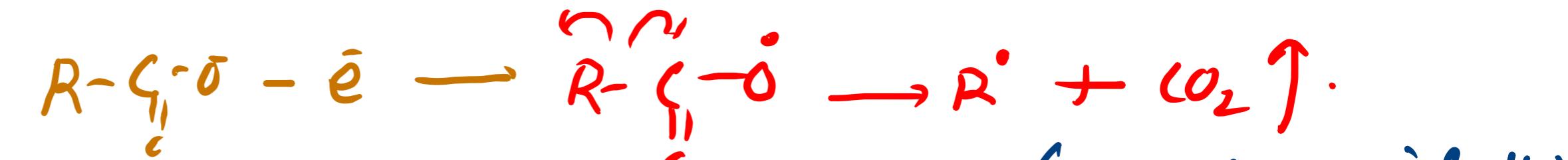
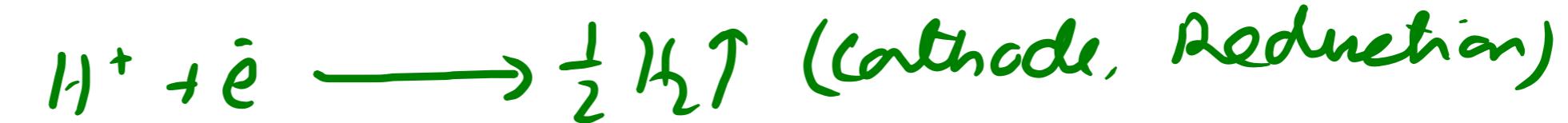
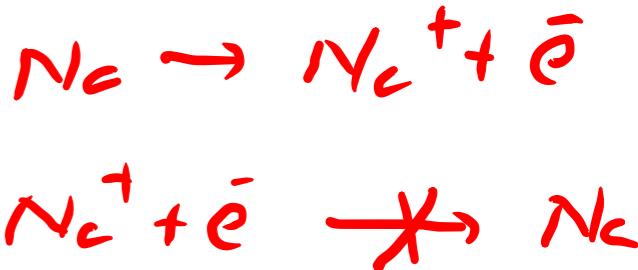
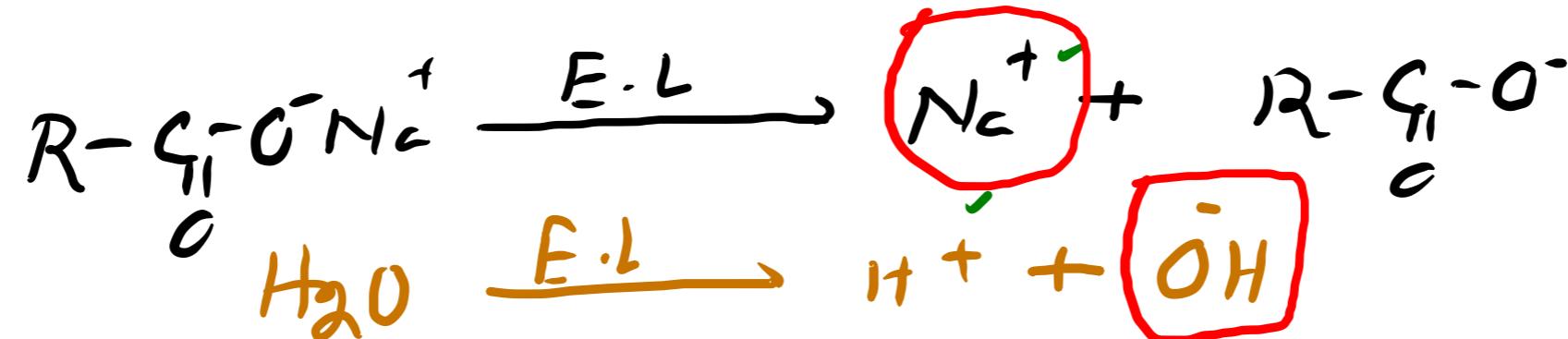


$\text{CH}_2-\text{CO}_2\text{H}$ Alkane: C_2 (anode) ↑.

Succinic Acid:



\uparrow NaOH
Sodium succinate



(anode, oxidation)

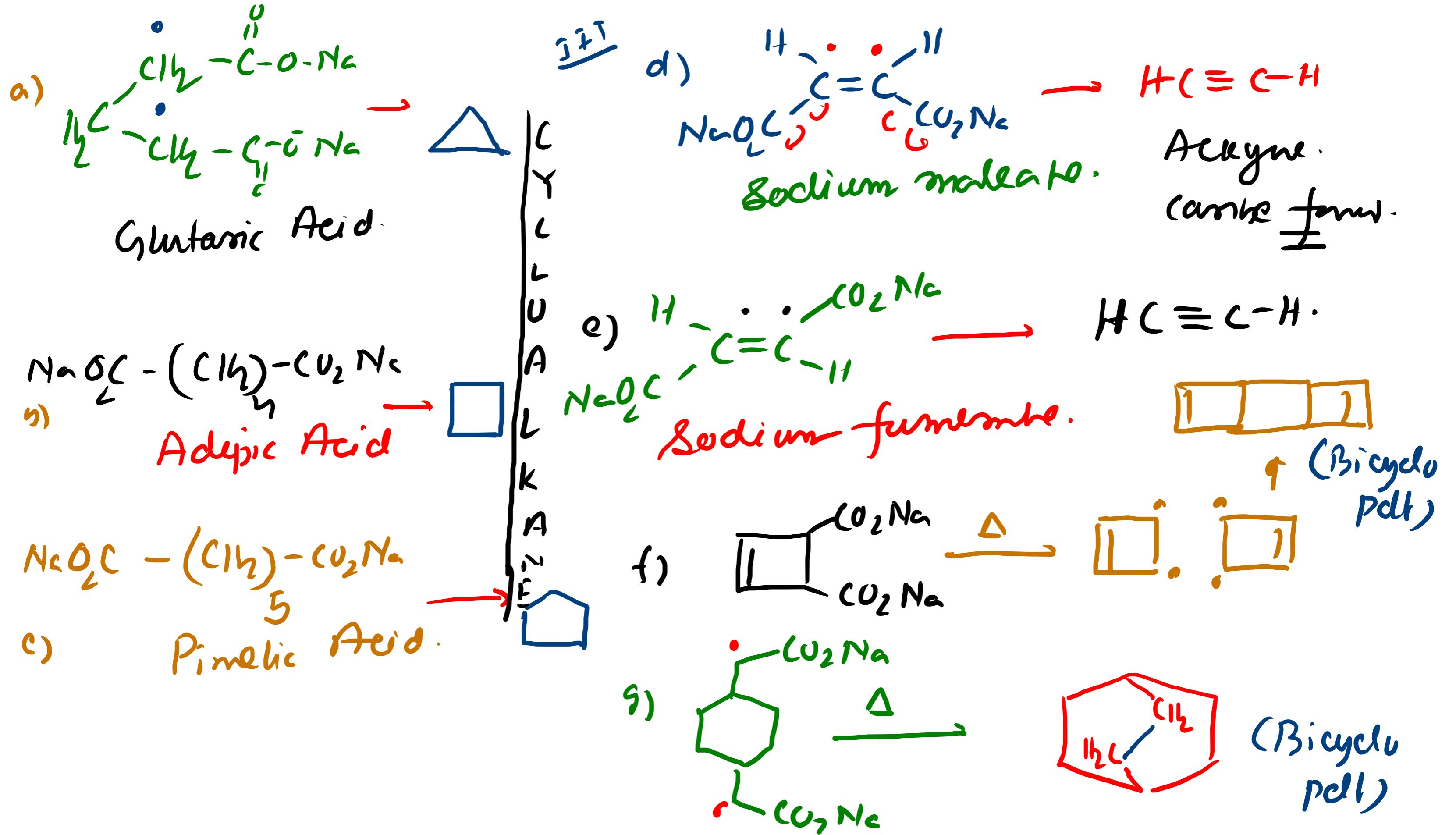
Solution: NaOH (basic)

during progress of reaction
more & more NaOH is formed.

pH of solution ↑.

+ NaOH

Intra Kolbe reaction is very fast.





$\uparrow \text{Na(D.E)}$

B (alkyl halide)

Q₂ X (vapor density 36)

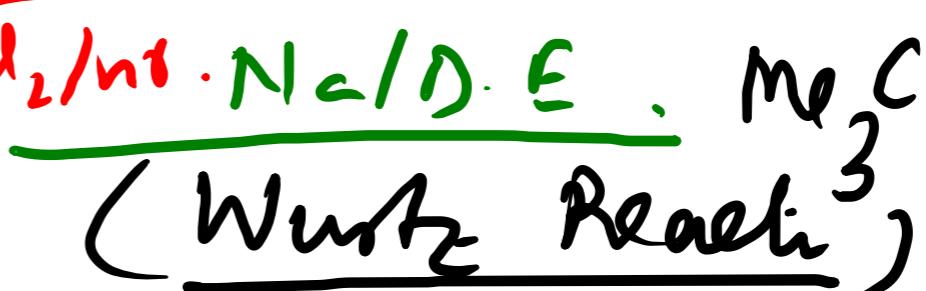
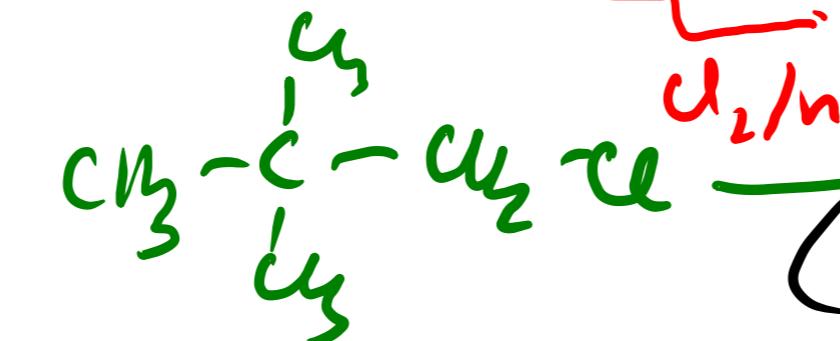
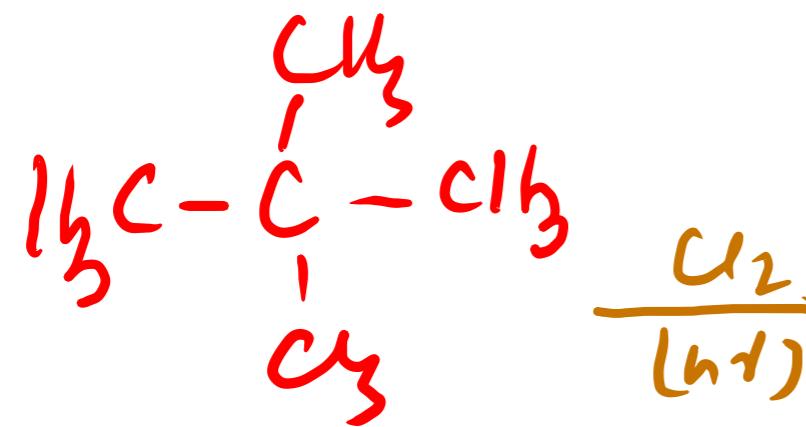
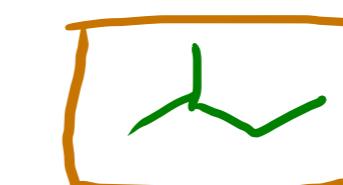


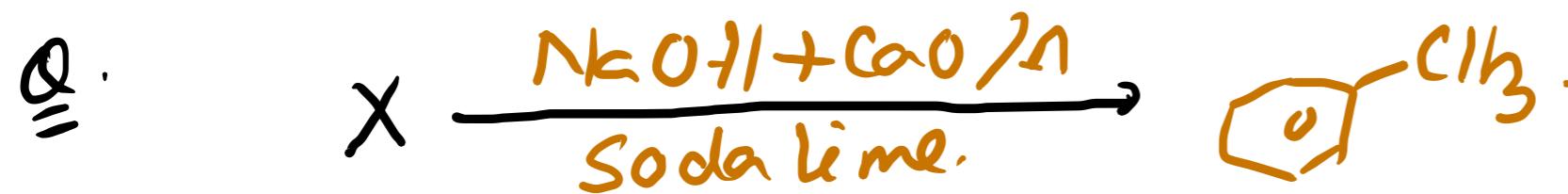
only 1 pdt (Y)



M.W = $2 \times \text{V.D} = 72$

(S + H₂)

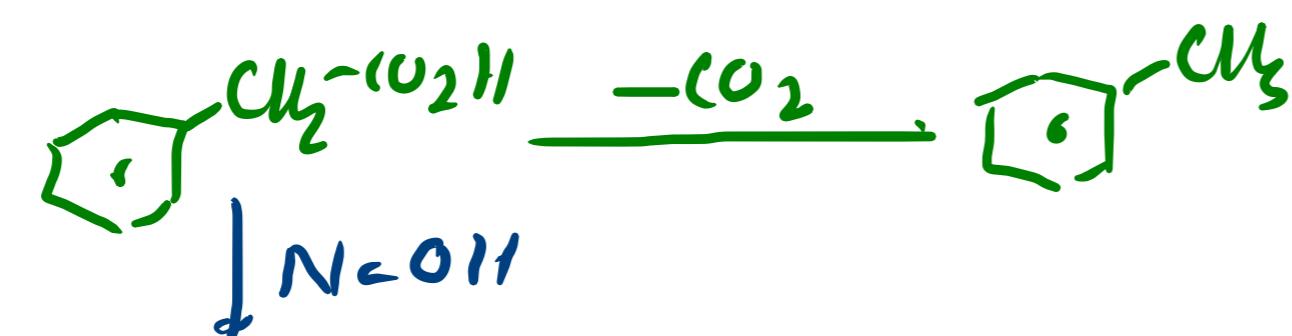




72

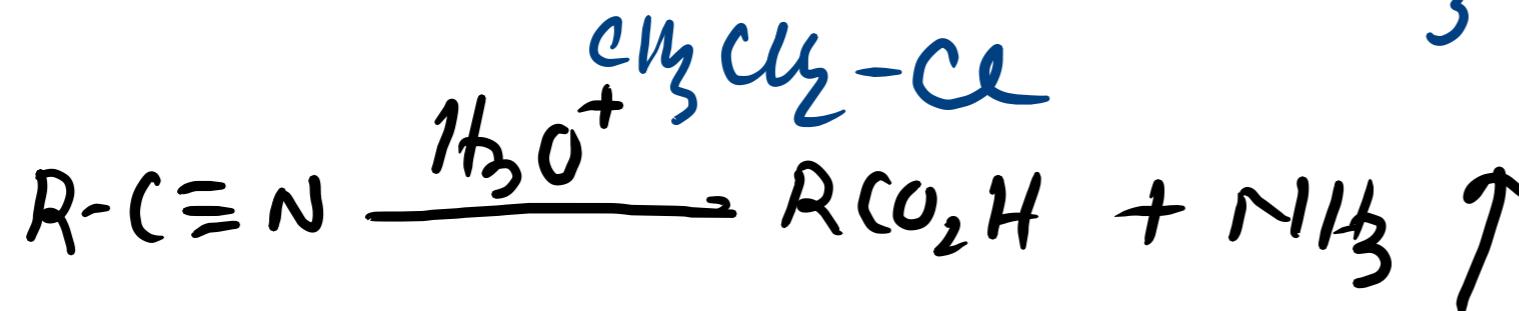
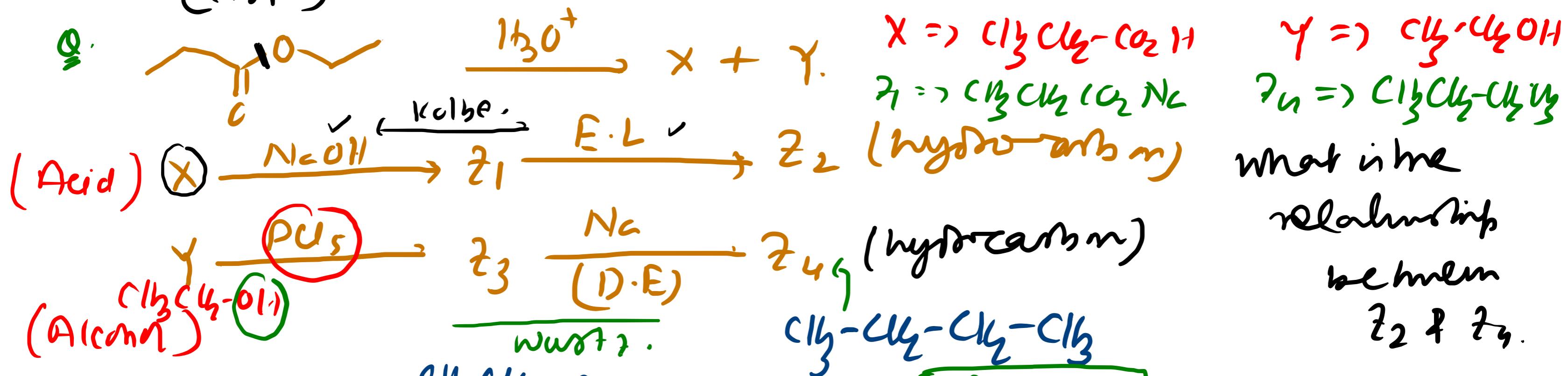
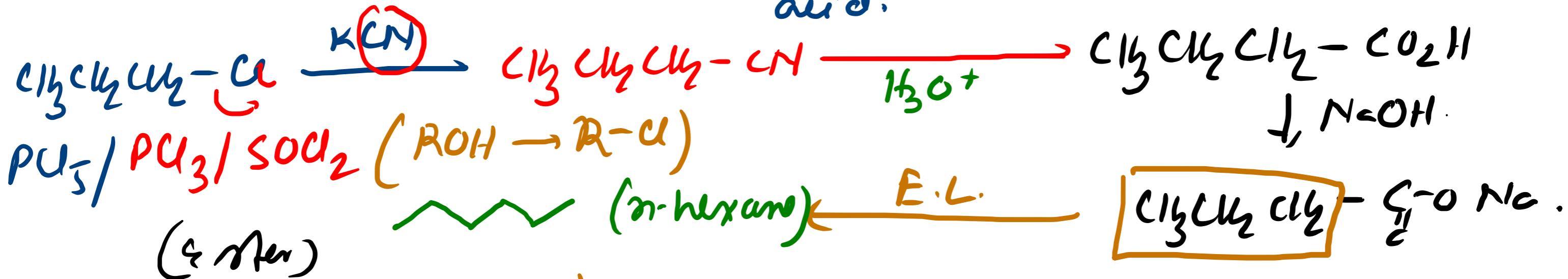
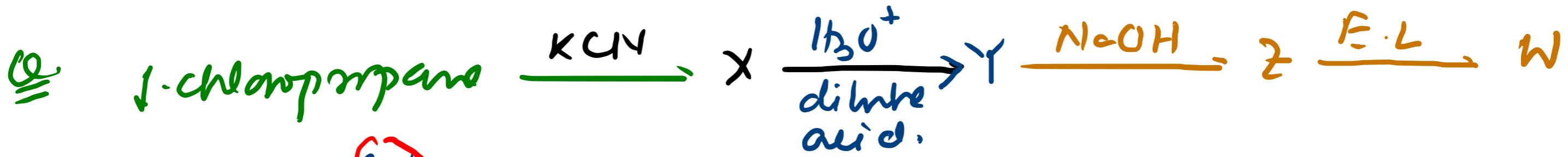
m.f = C_5H_{12}

C_2/nr



$\xrightarrow{\text{U}_2/nr} W \downarrow \text{N.G.D.E}$
 $V.$

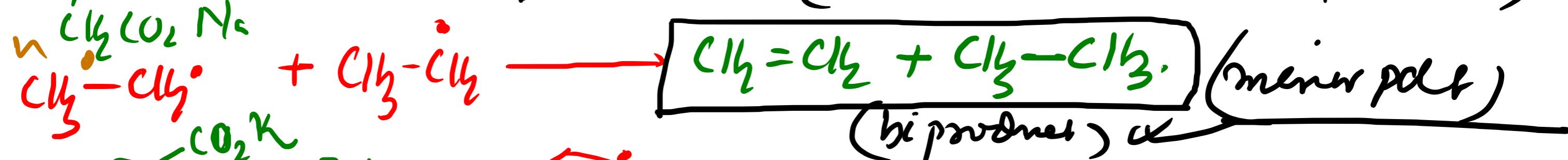
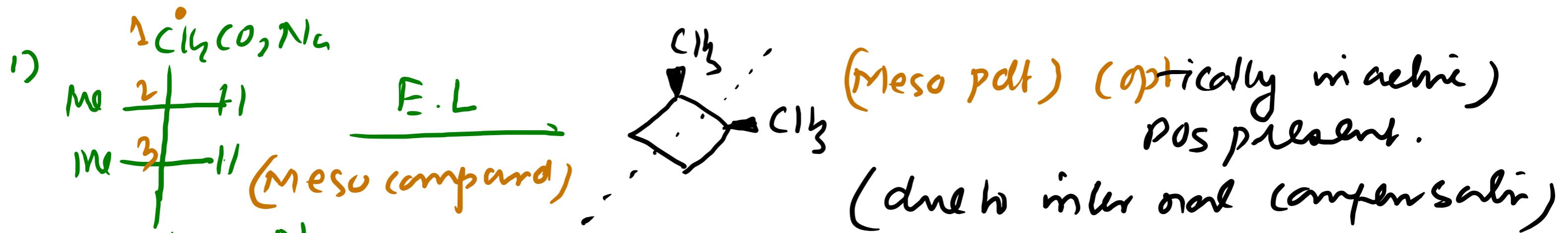




$$\boxed{Z_2 = Z_4}$$



what is the relationship between Z_2 & Z_3 .



Aqueous sodium potassium per butanoate is

3) electrolysis. Total number of possible organic products.

