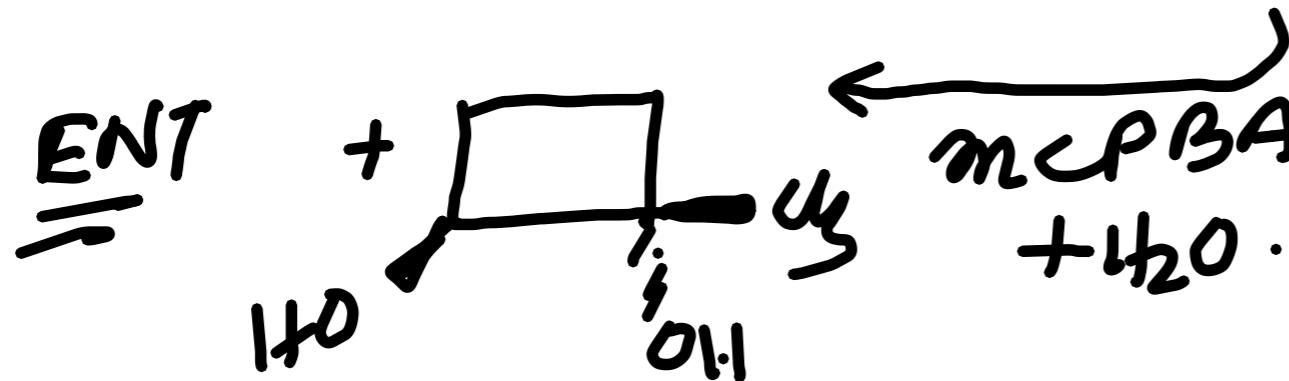
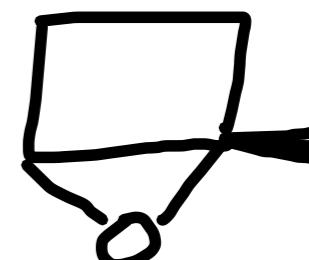


Cro. in glacial acetic acid.  $\Rightarrow$  better option.

Q1-Q.5 dis



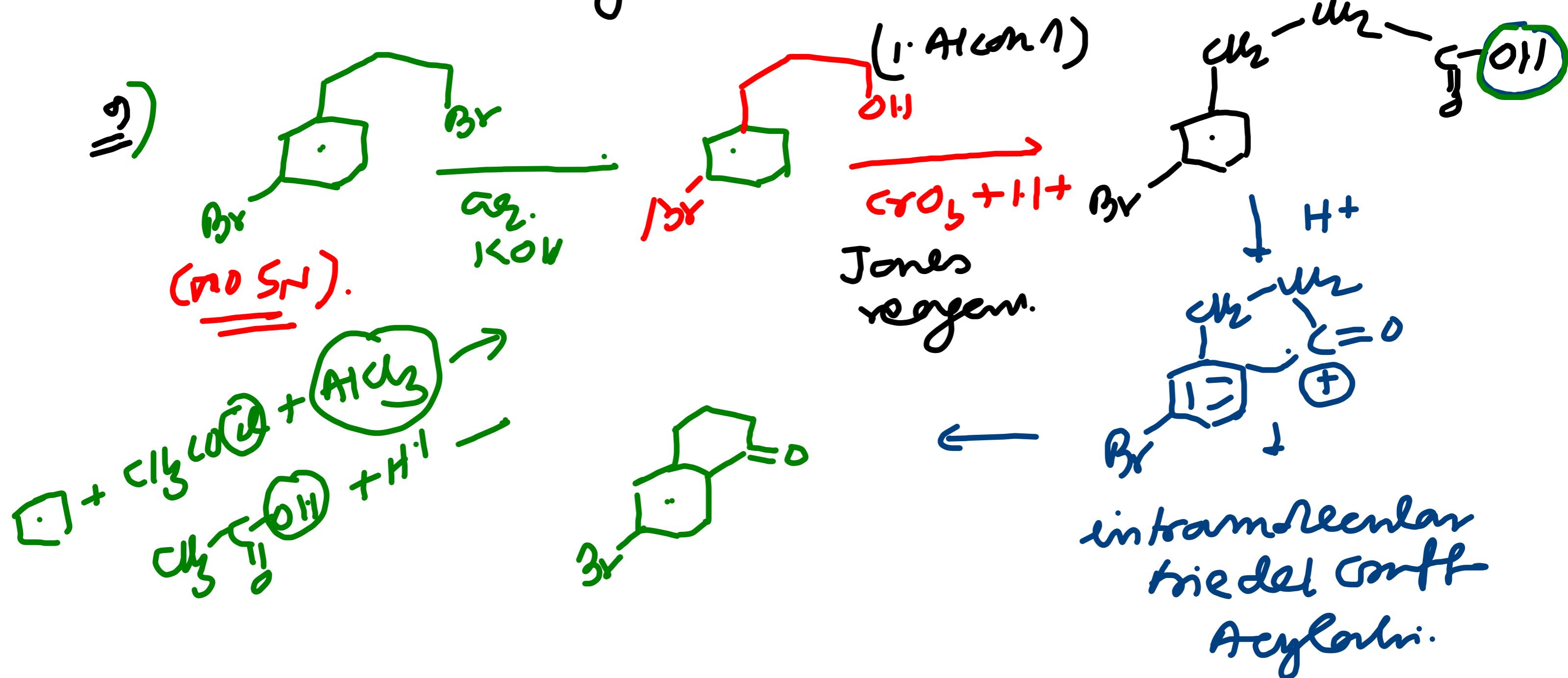
$\xrightarrow{\text{mCPBA}}$   
not  $\text{H}_2\text{O}$   
present

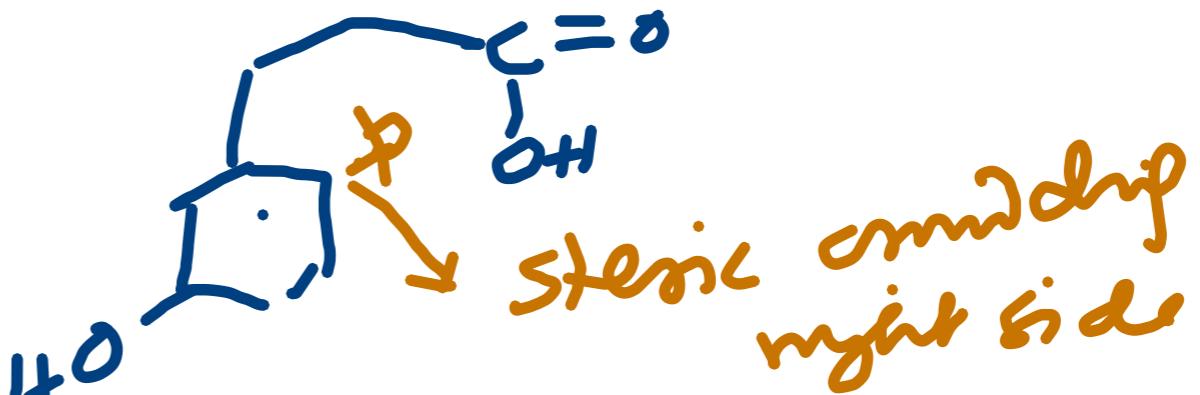
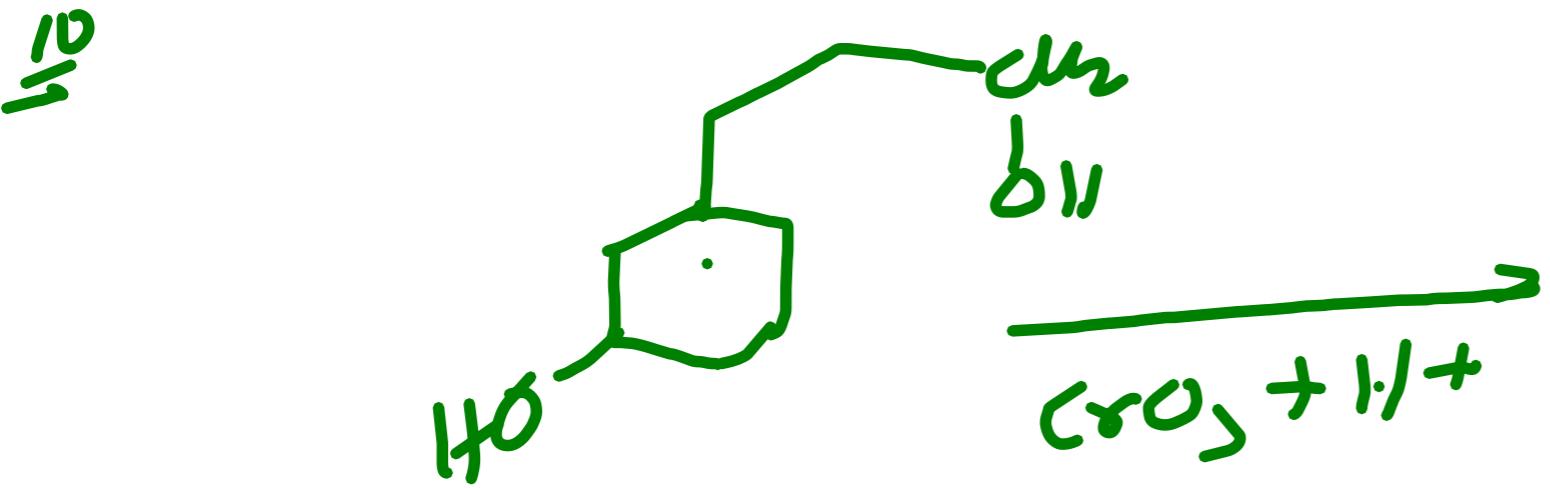


epoxide is  
the final  
product.

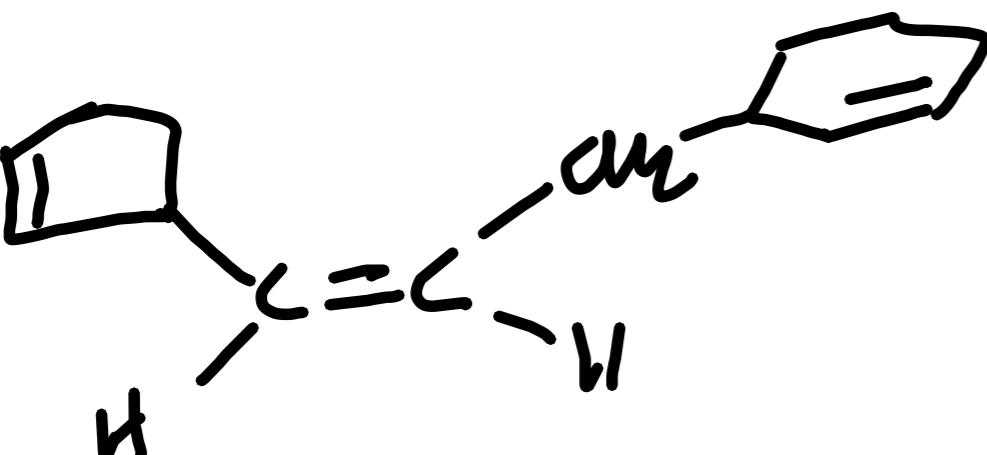
8) PCC can't oxidise 3° Alcohol.

It only oxidises 1°/2° Alcohol.

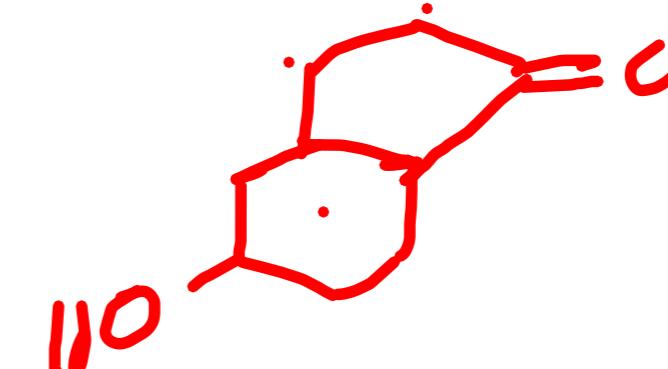
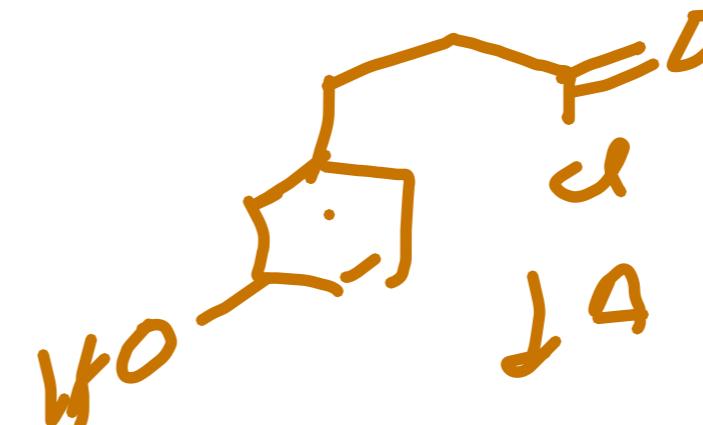
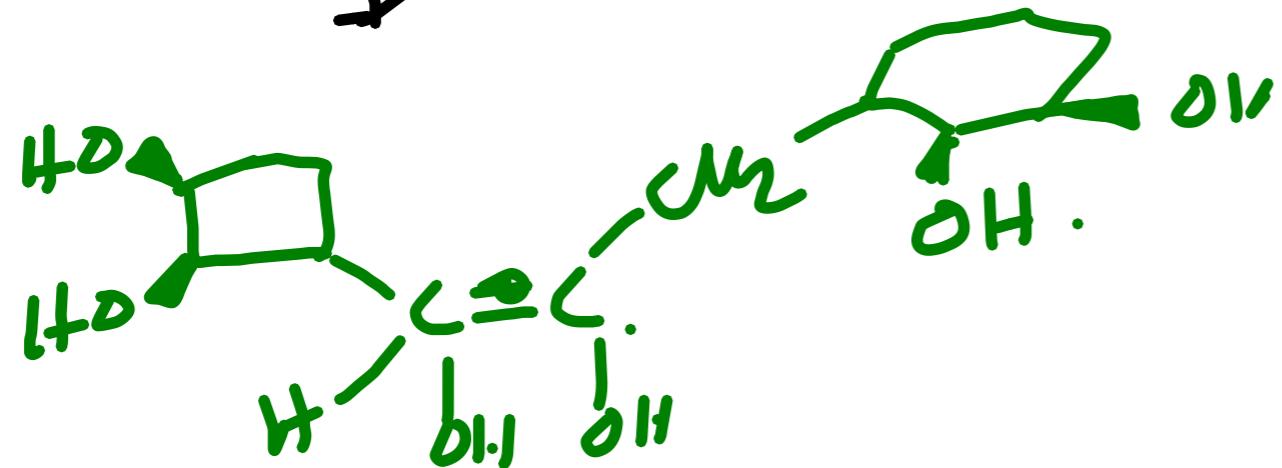


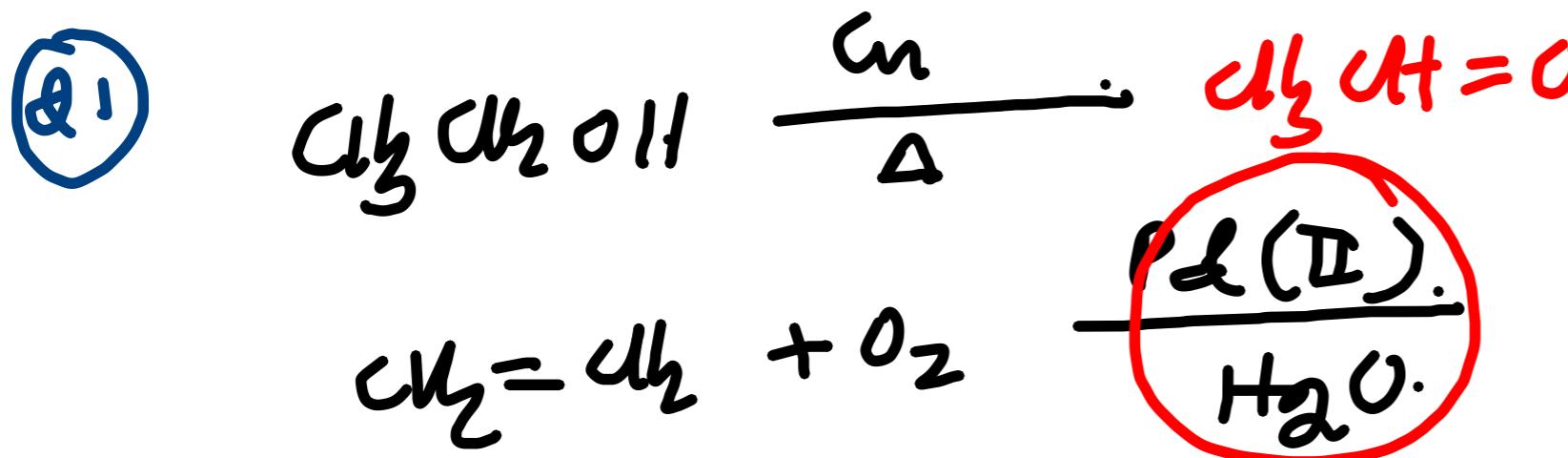
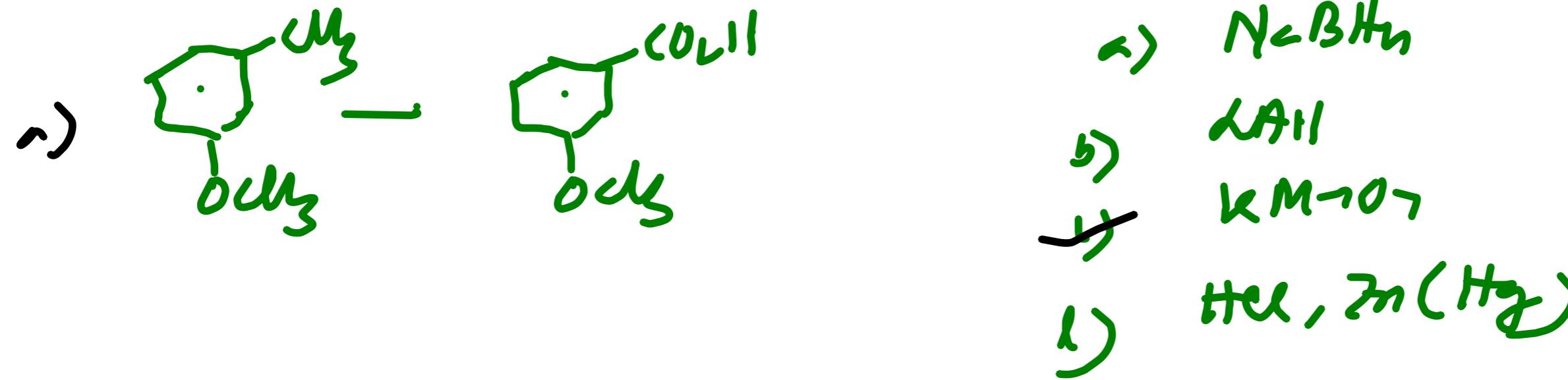


(Aliphatic + Aromatic)

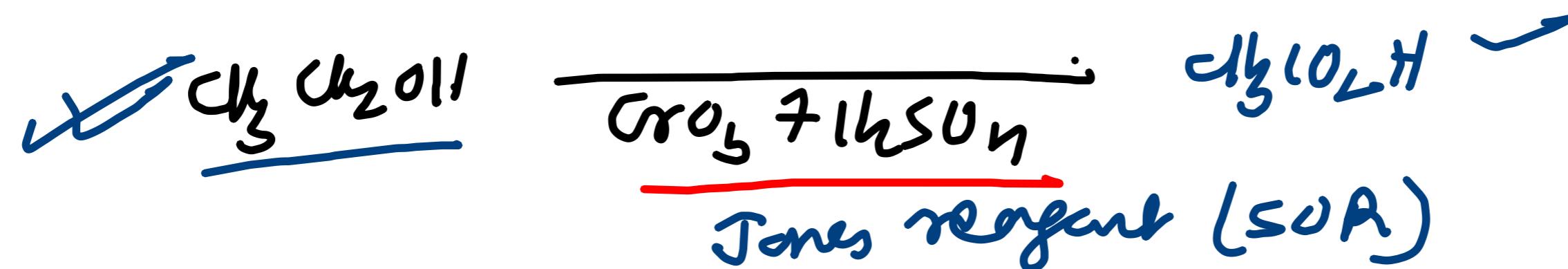


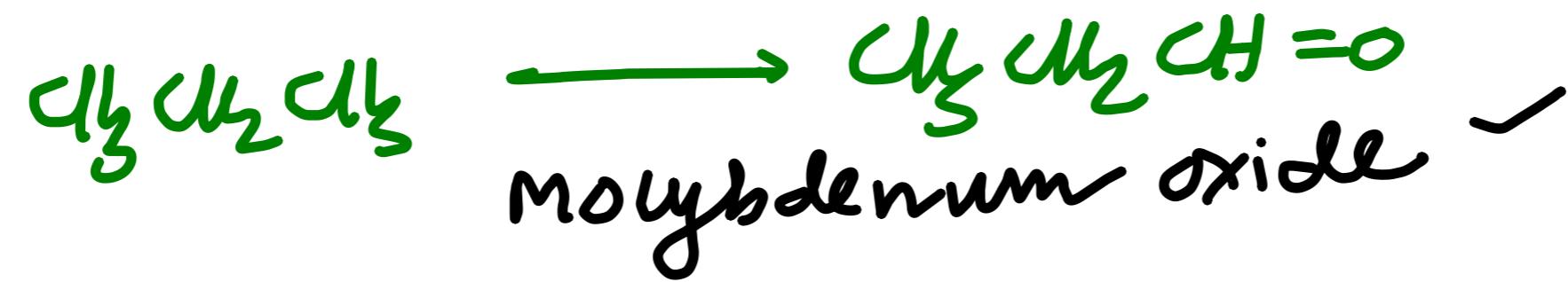
$\downarrow \text{dil. KMnO}_4$

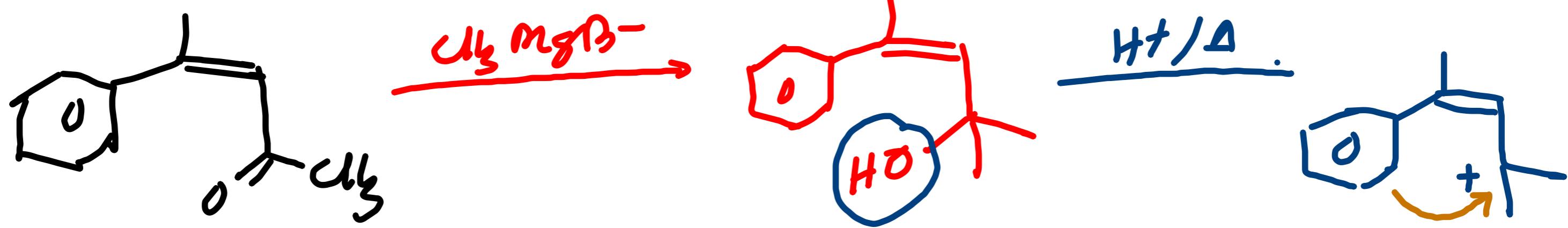




In which reaction  
 acetonedehyde  
 is & not  
 formed.

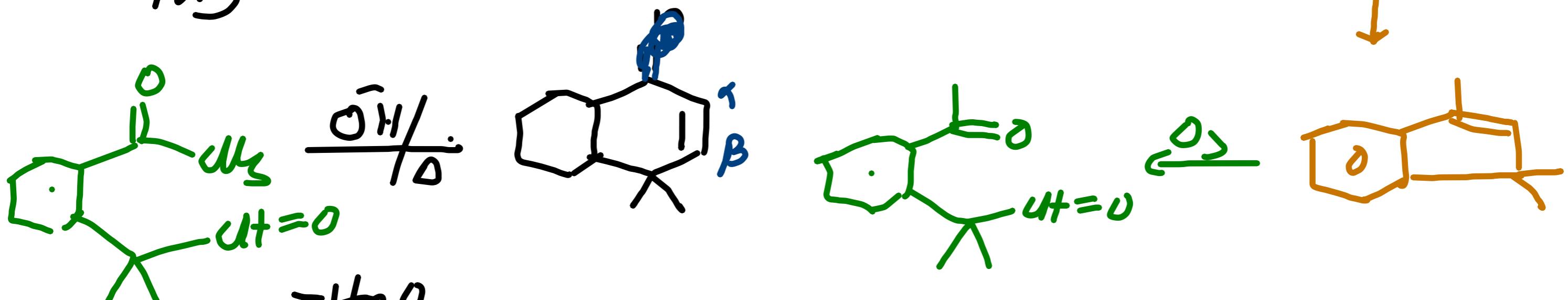






(+ reiodofin  
test)

intramolekulär  
reaktione



intram. Ac. d. condensati.

## Addition Condensations:

self

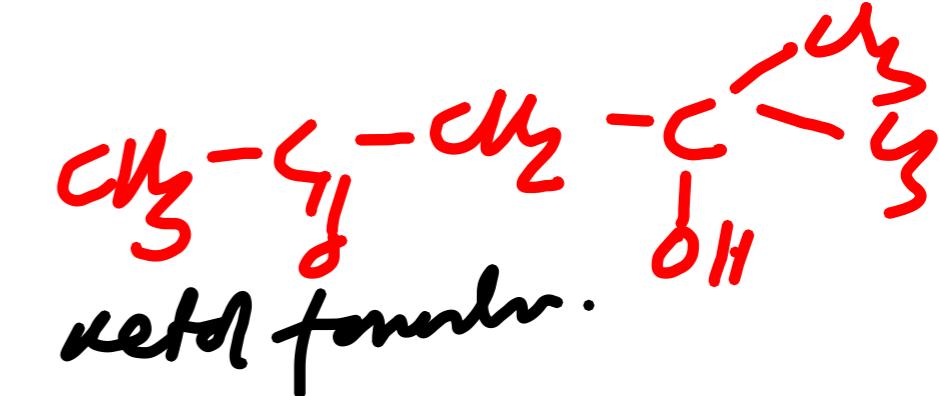
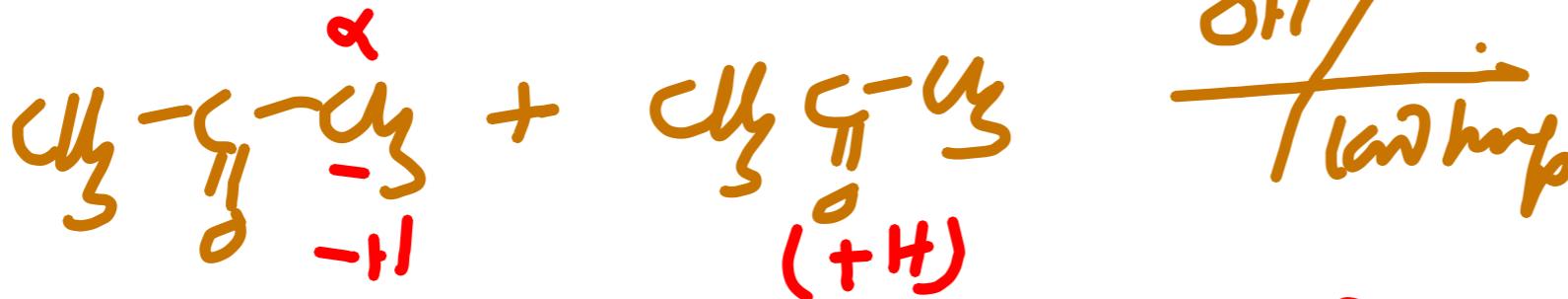


Add

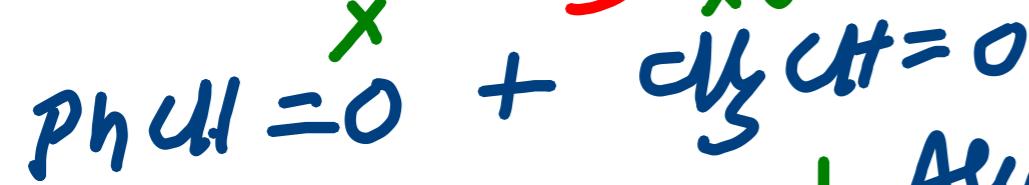
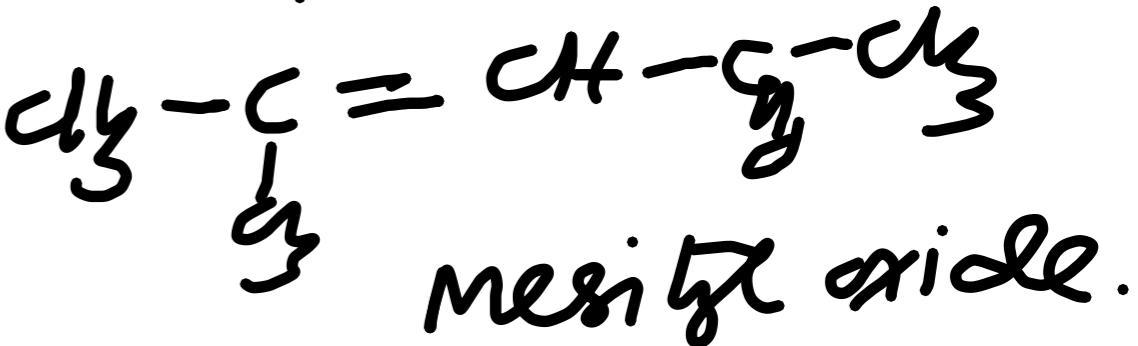
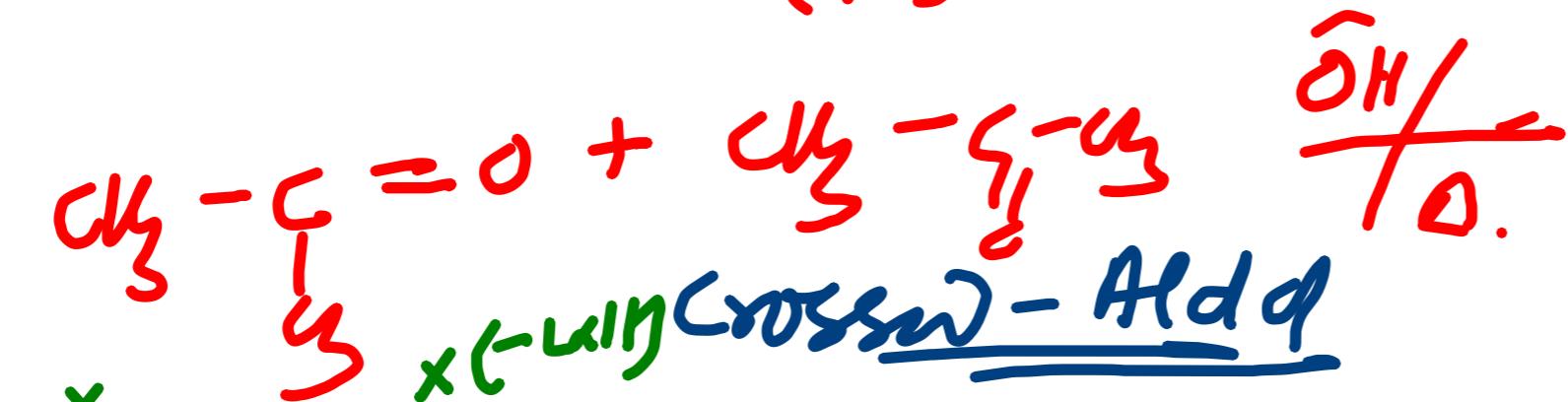


Ald & Condensations.

self

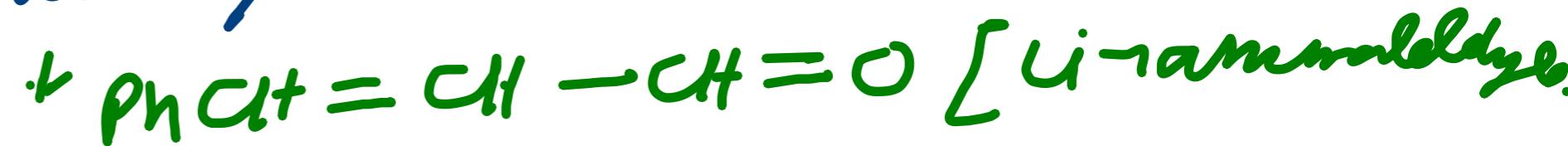


Ketol

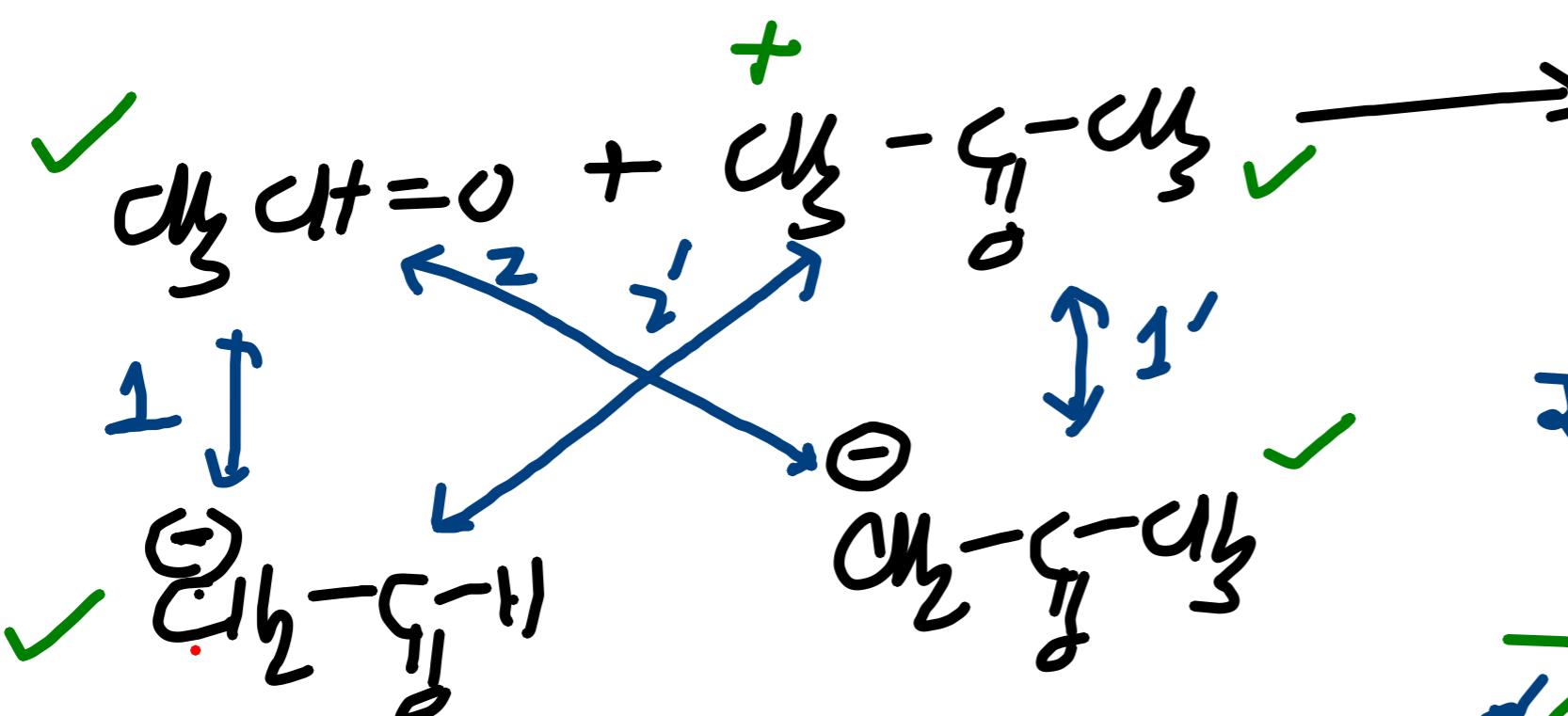


Aromatic Aldehyde + Aliphatic aldehydes

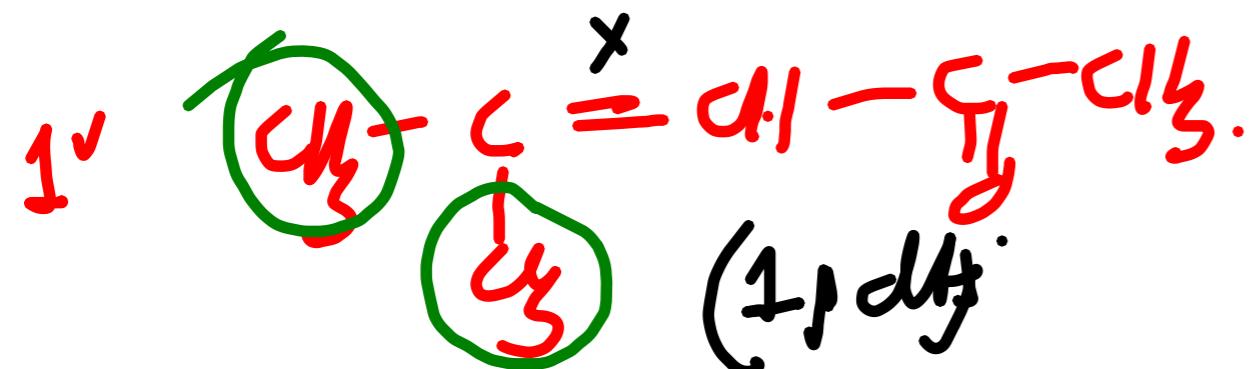
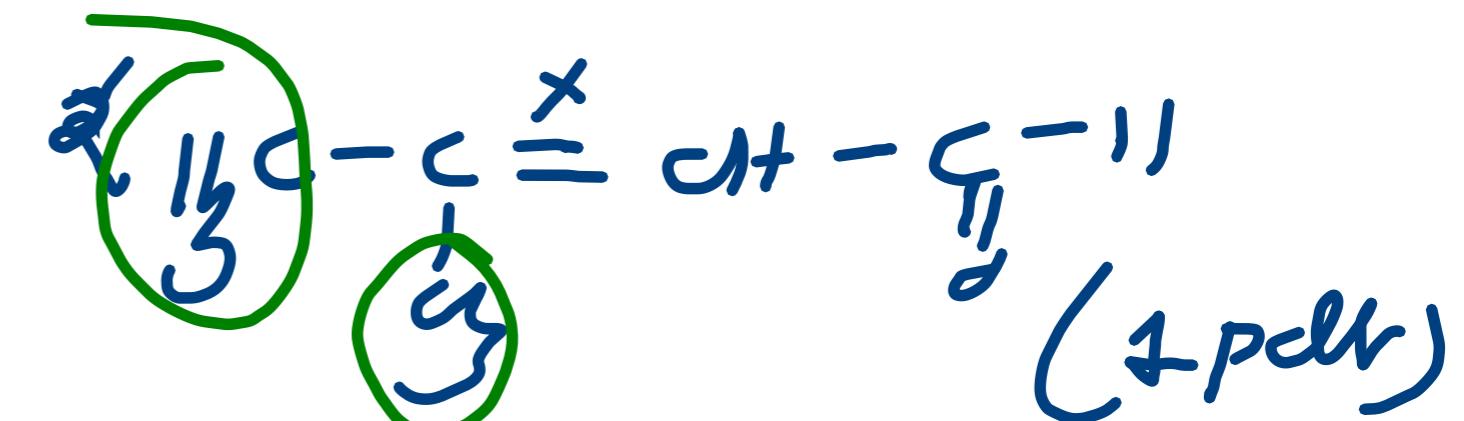
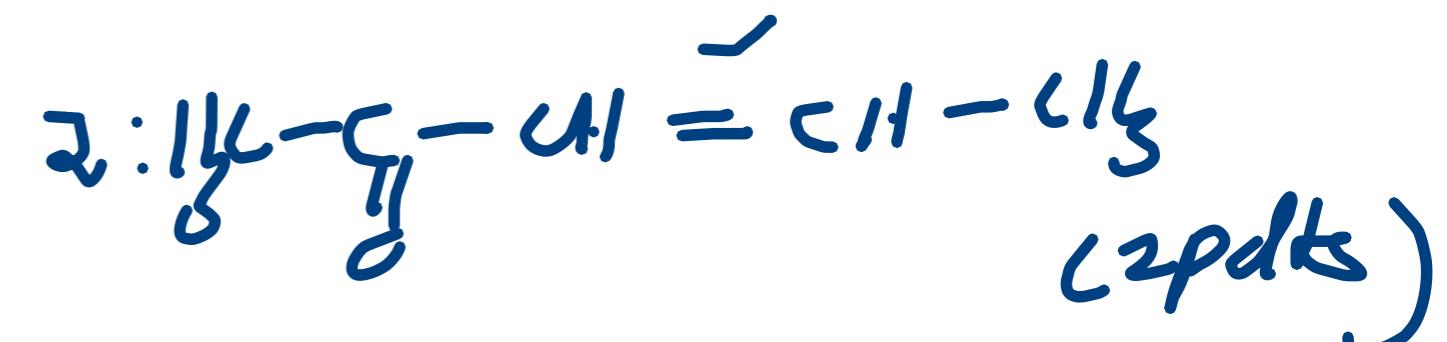
Ketol condensations.



Cross Aldol + self Aldol

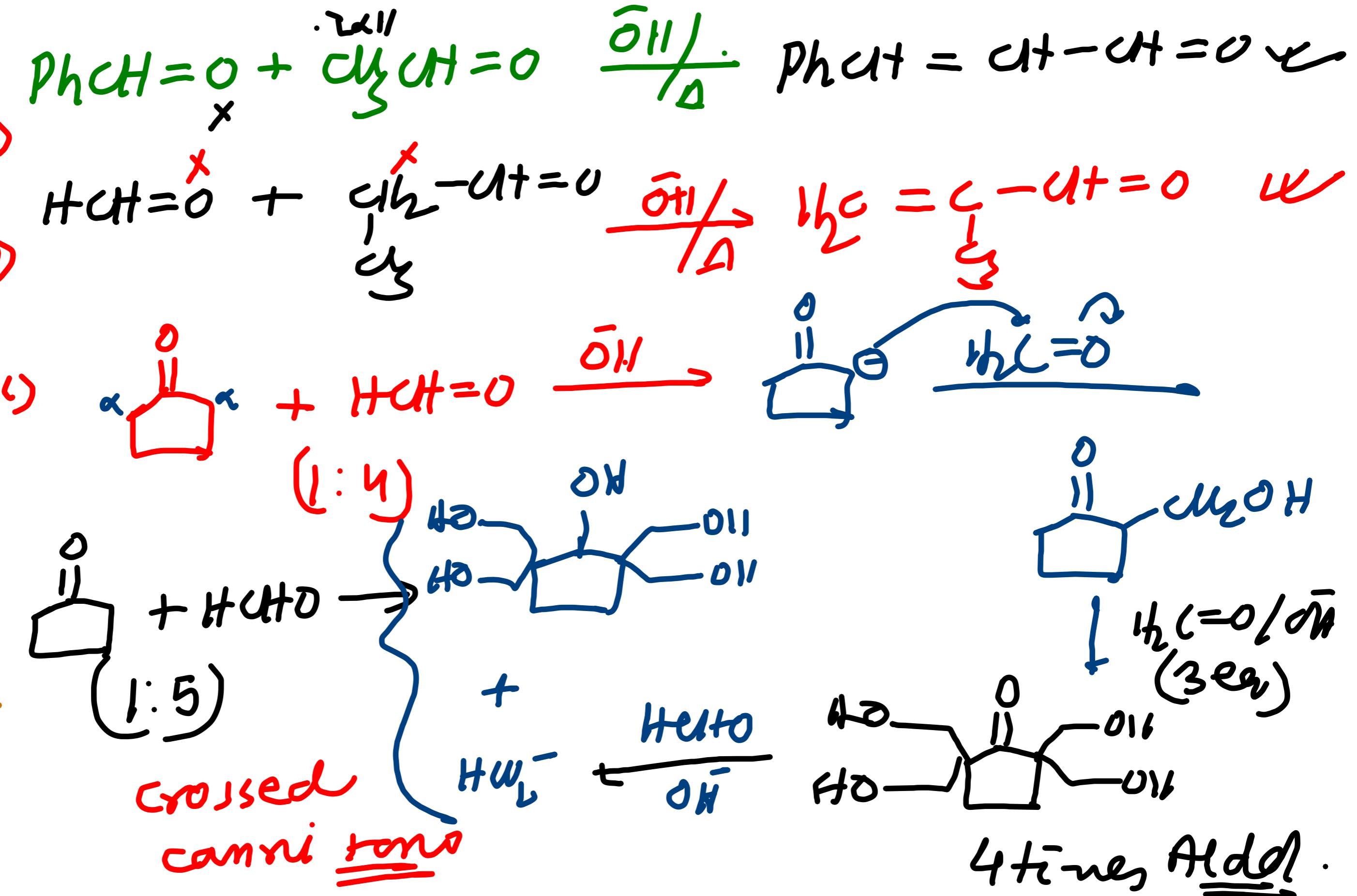


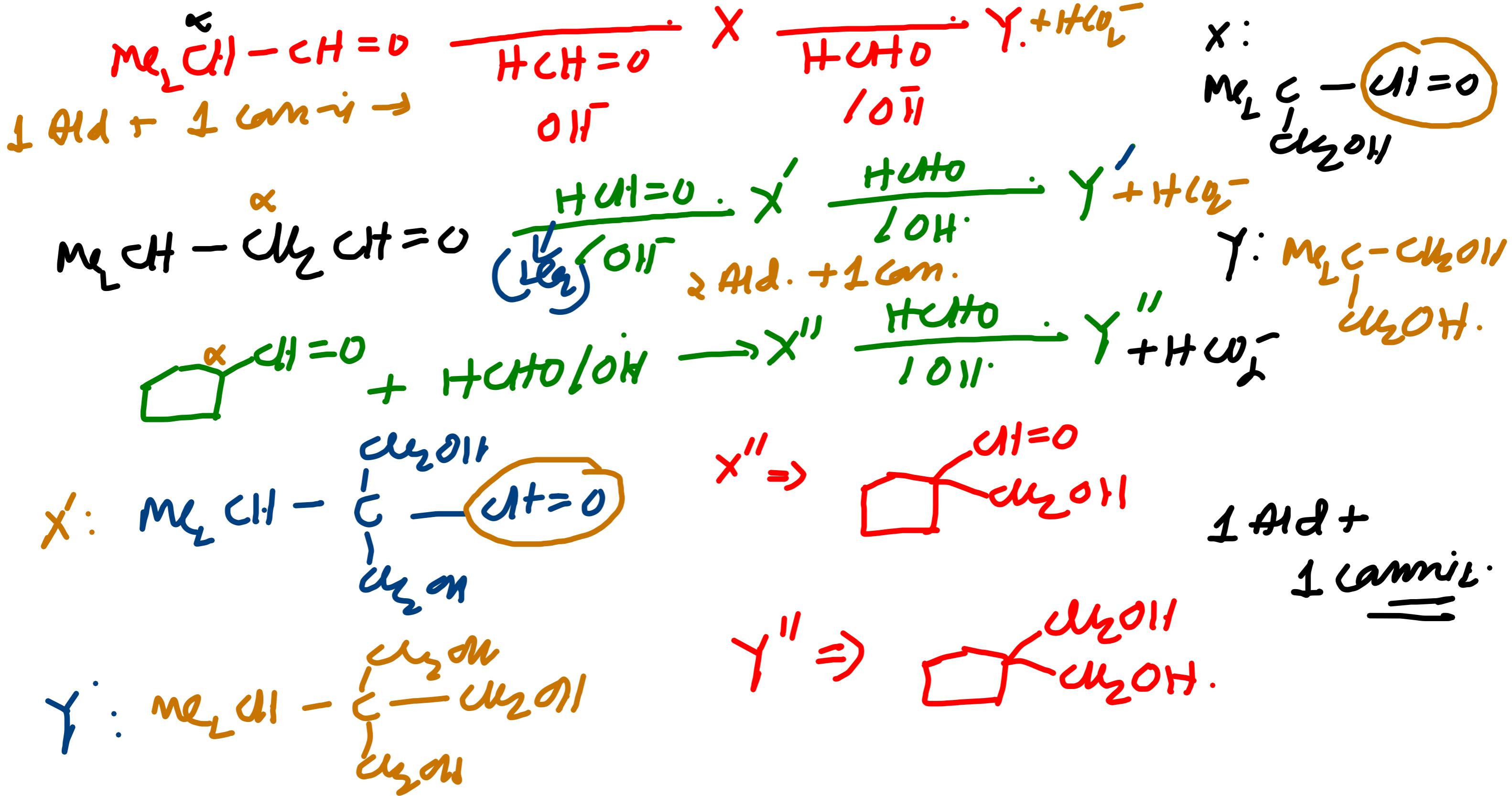
$1+1'$ : self Aldol.  
 $2+2'$ : cross Aldol.

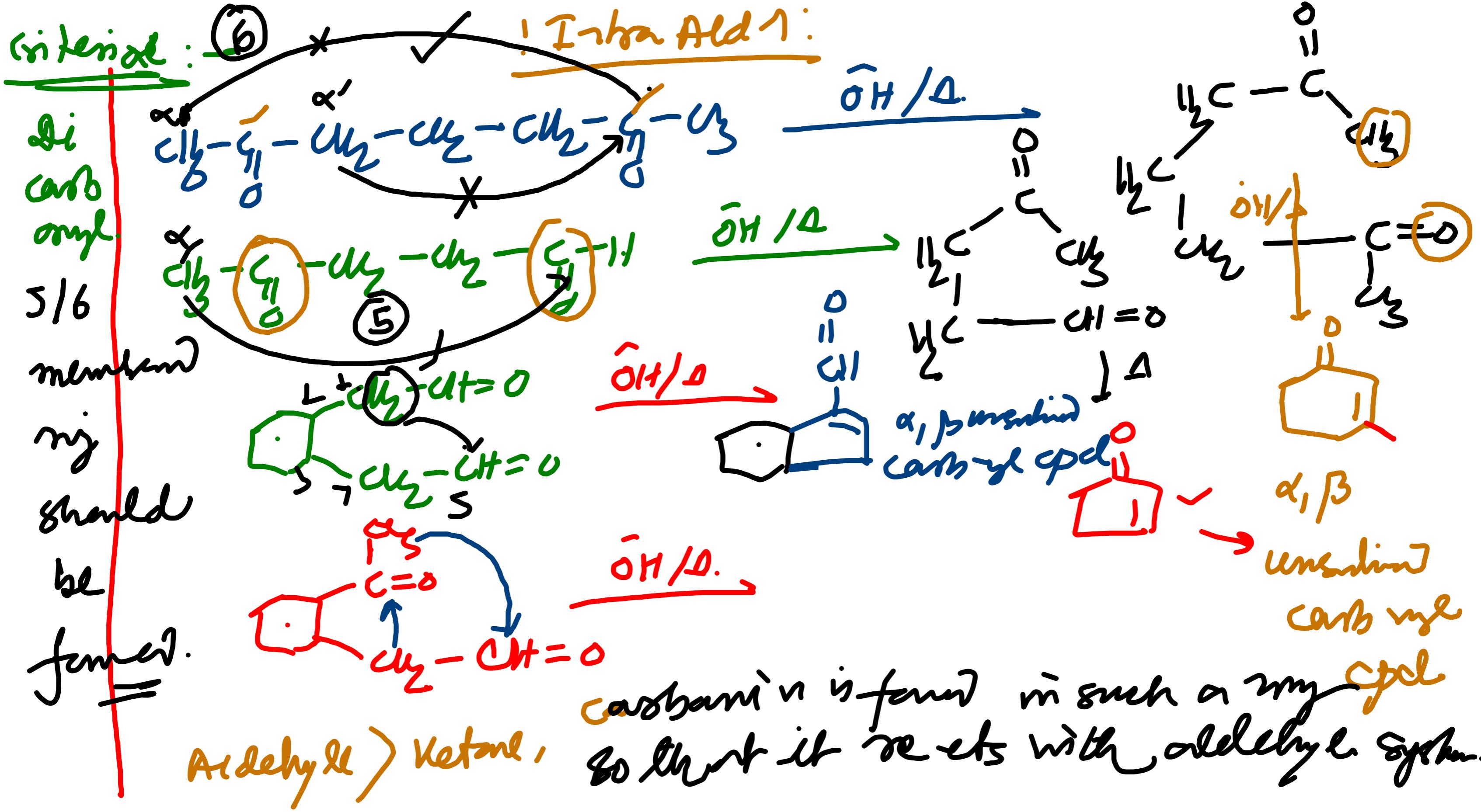


Gesamt = 6pdts

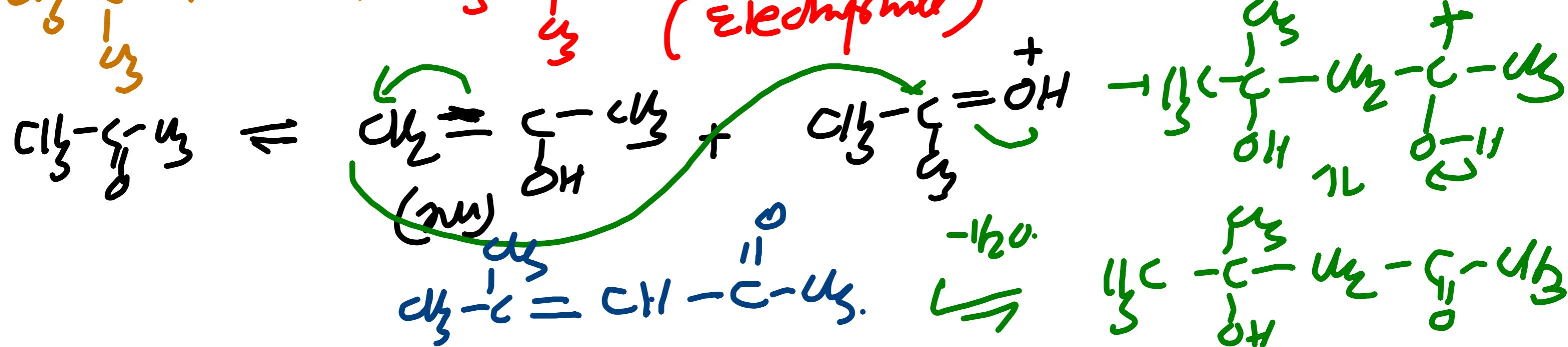
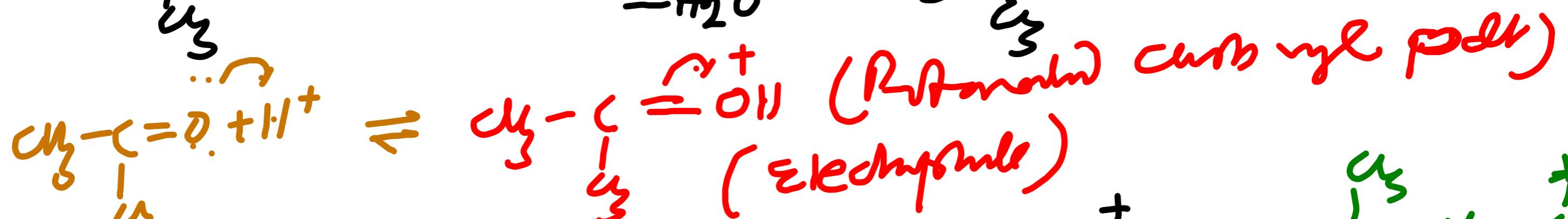
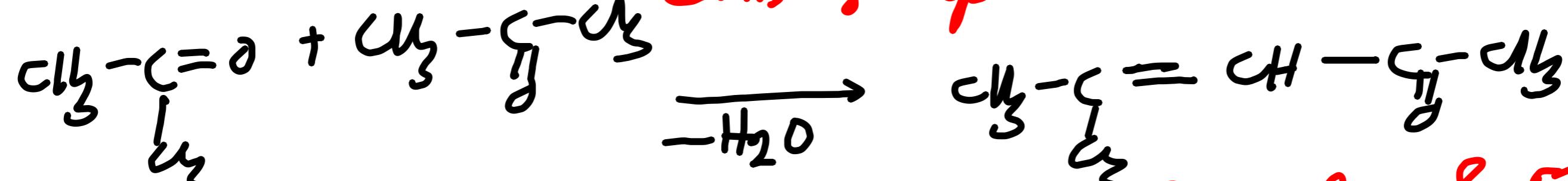
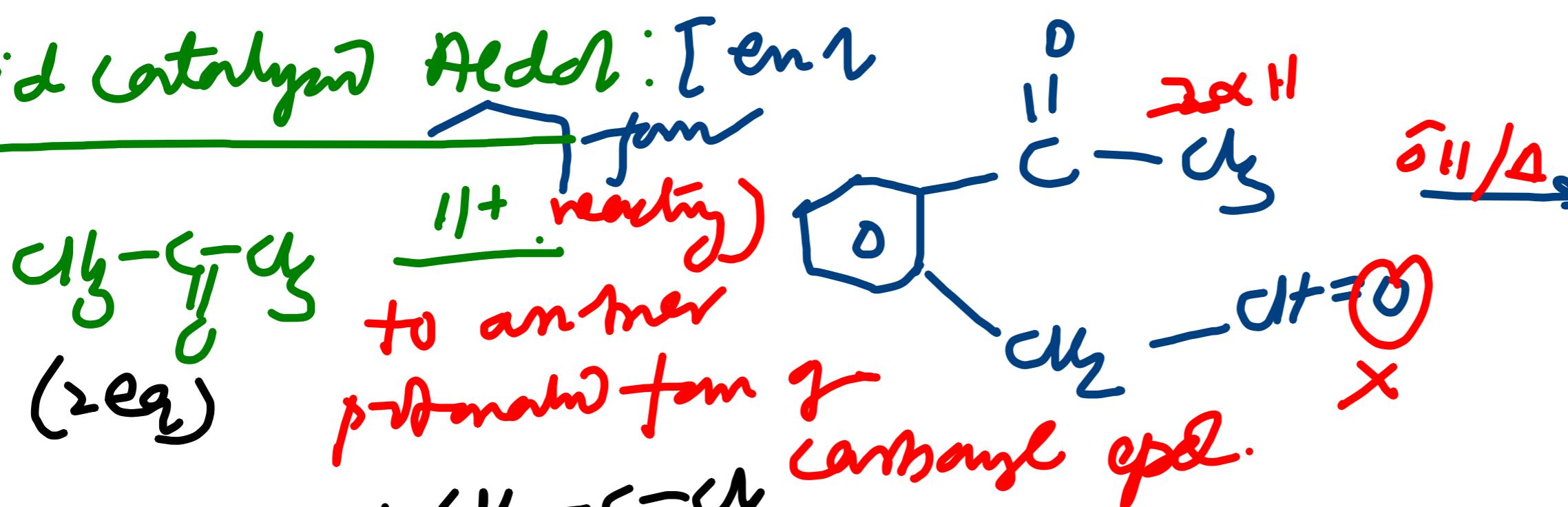
2 different  
carbohydrate  
systems.  
one having  
alpha and  
another having  
beta.

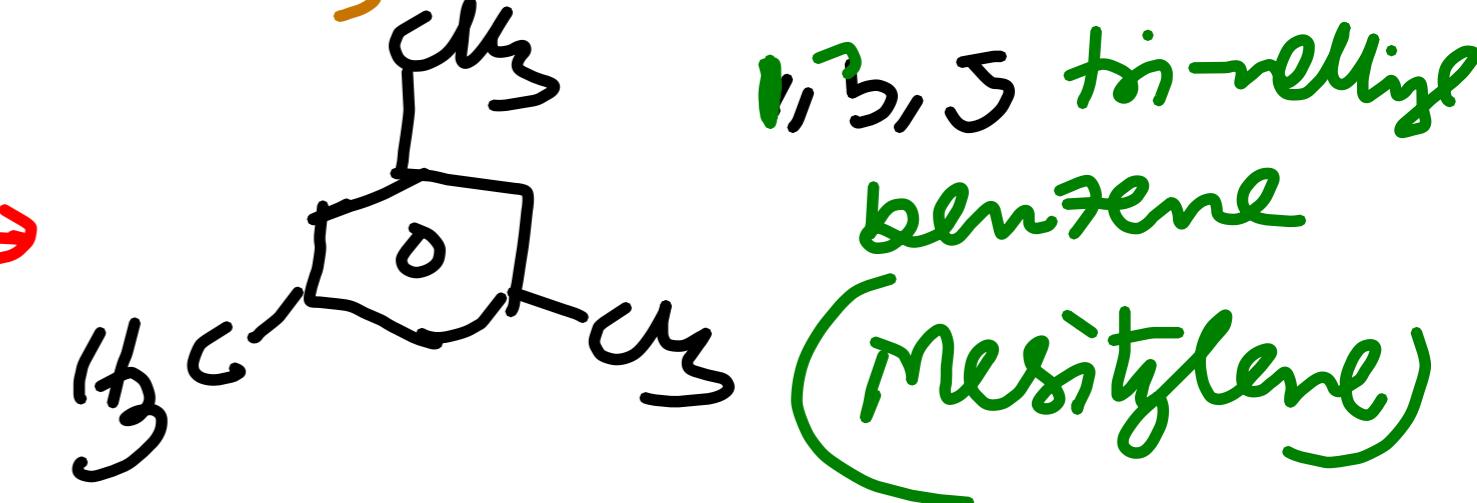
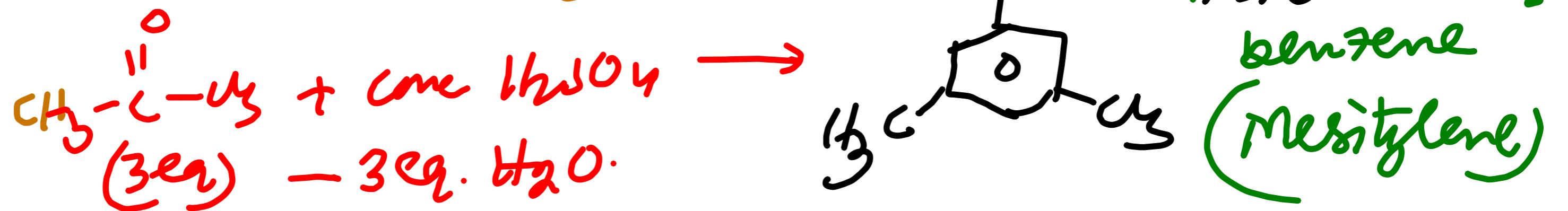
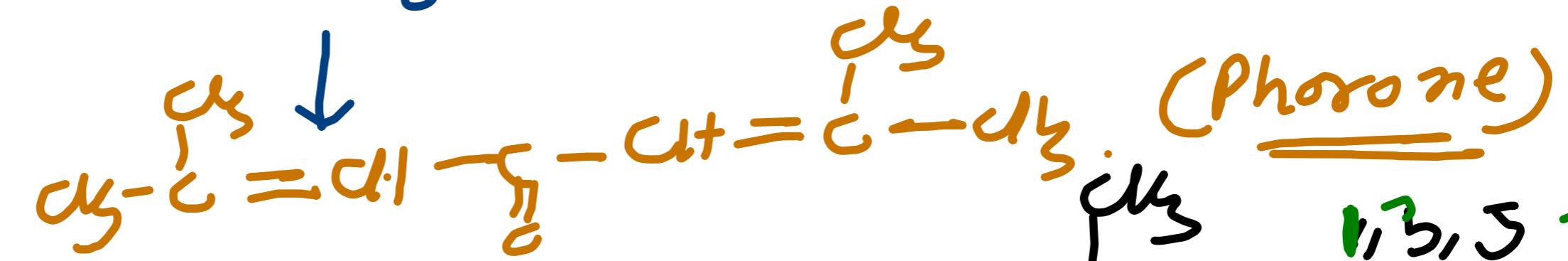
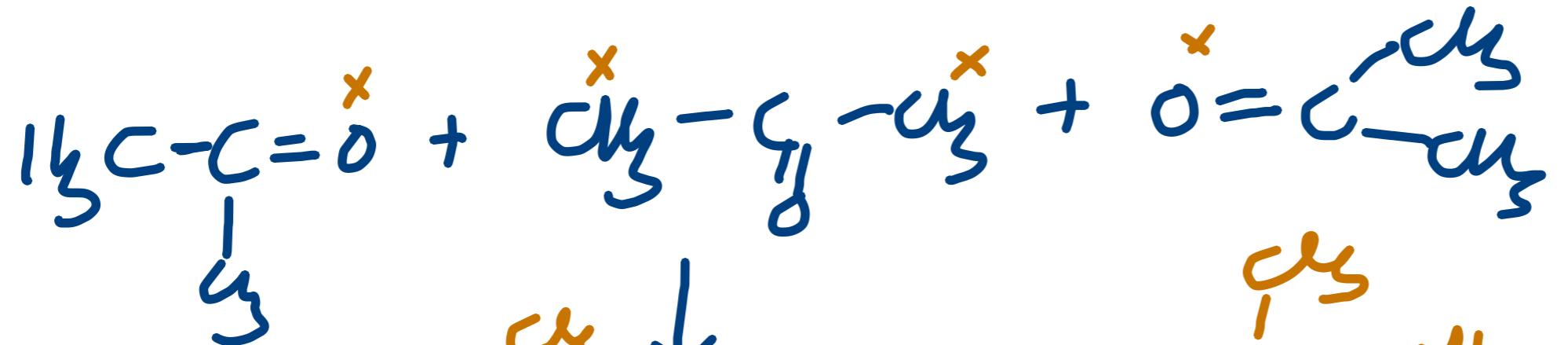
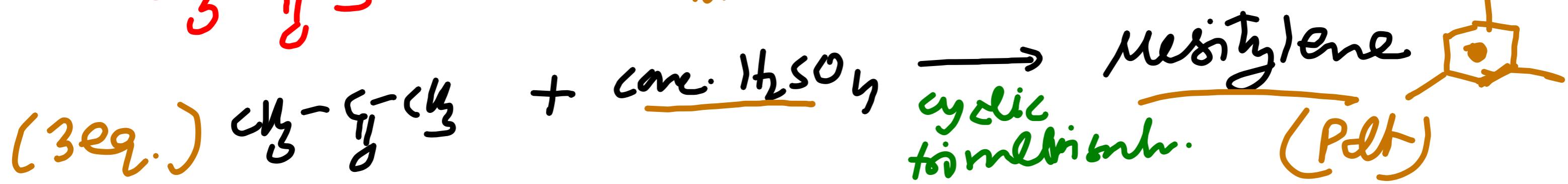






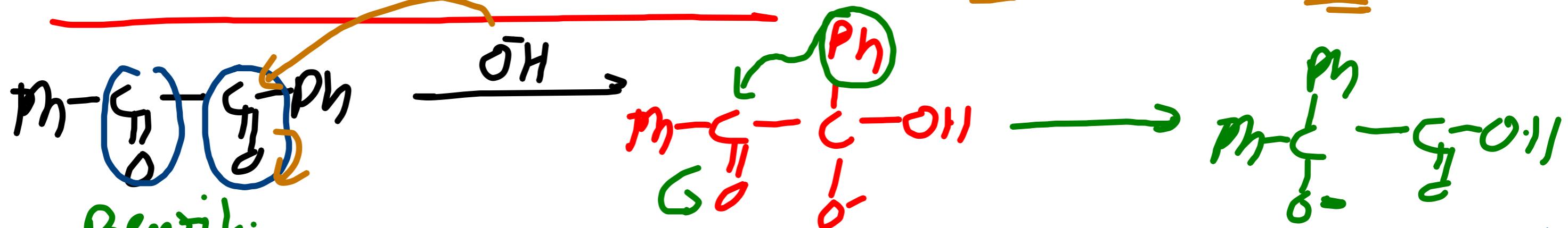
# Acid Catalyzed Aldol: Enz





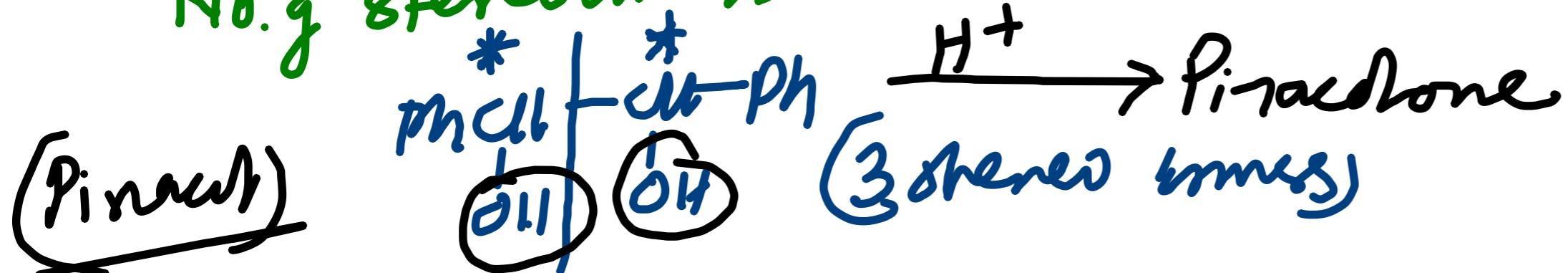
# Bentil - Benzoic Acid reagent

Name reaction { Cannizzaro + Aldol  
Questions

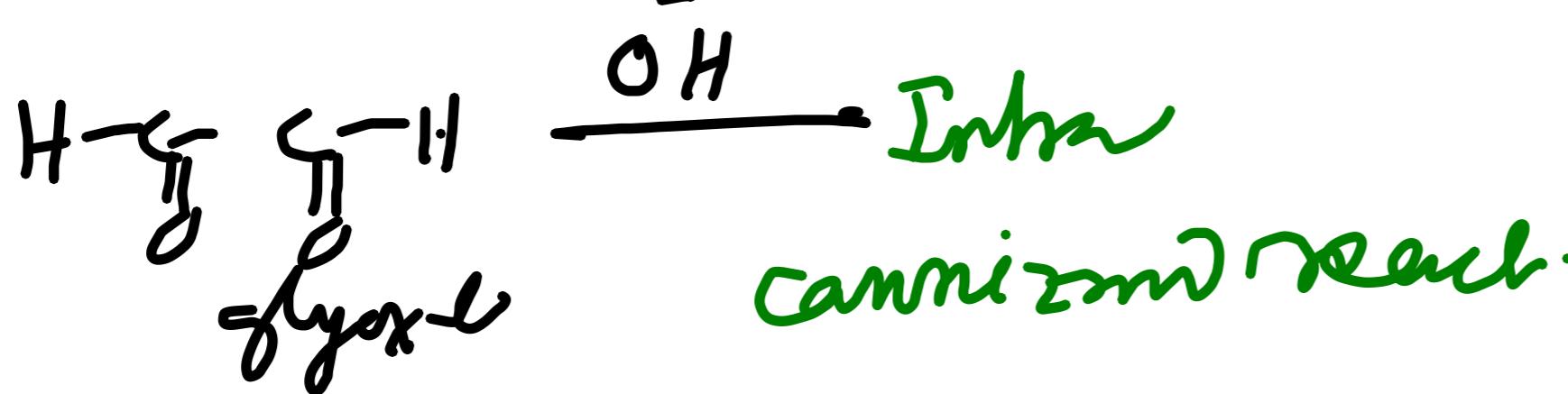


Salt of benzoic Acid  
 $1 \text{ H}^+$

No. of stereoisomers:



$m_2\text{C}_6\text{H}_4-\text{CH}_2\text{OH}$   
 $\alpha$ -hydroxyacid



Cannizzaro reaction