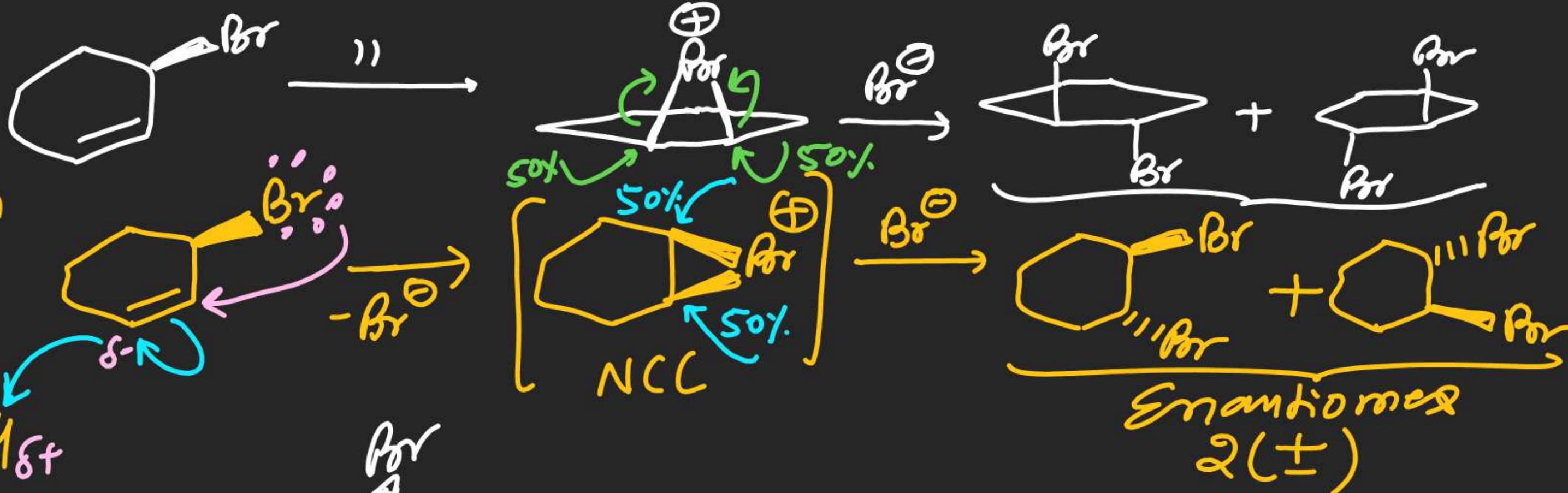
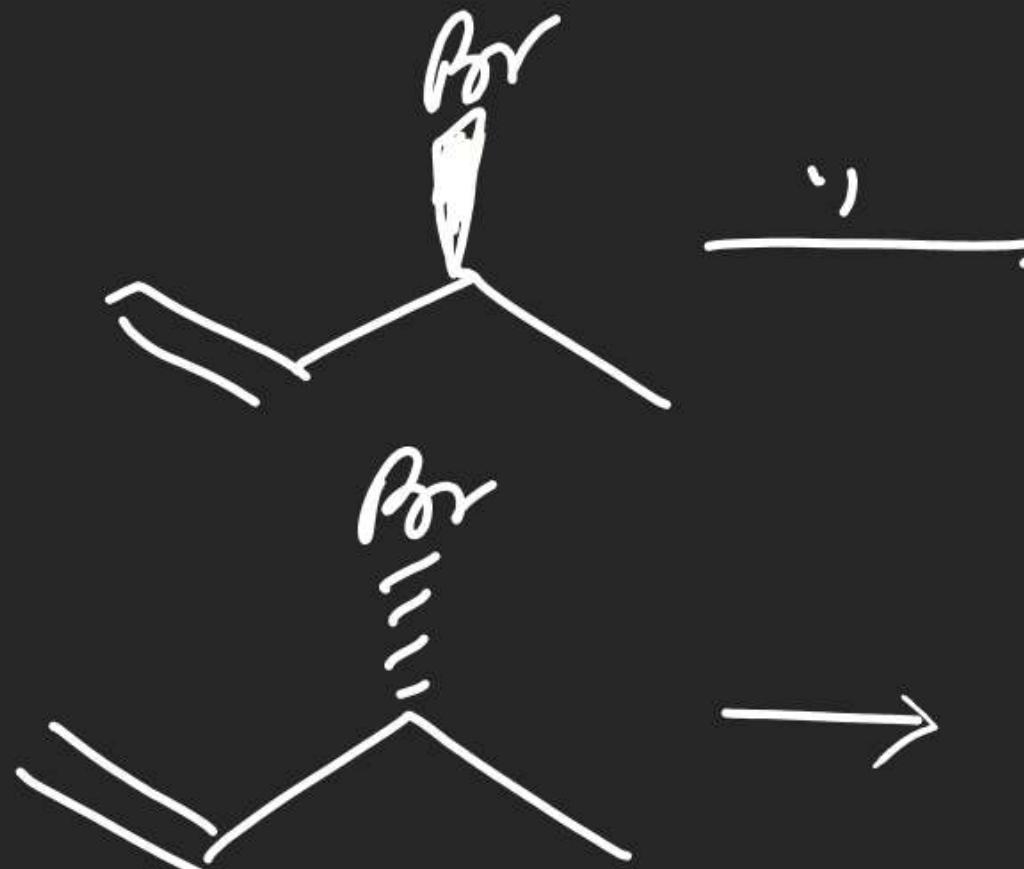


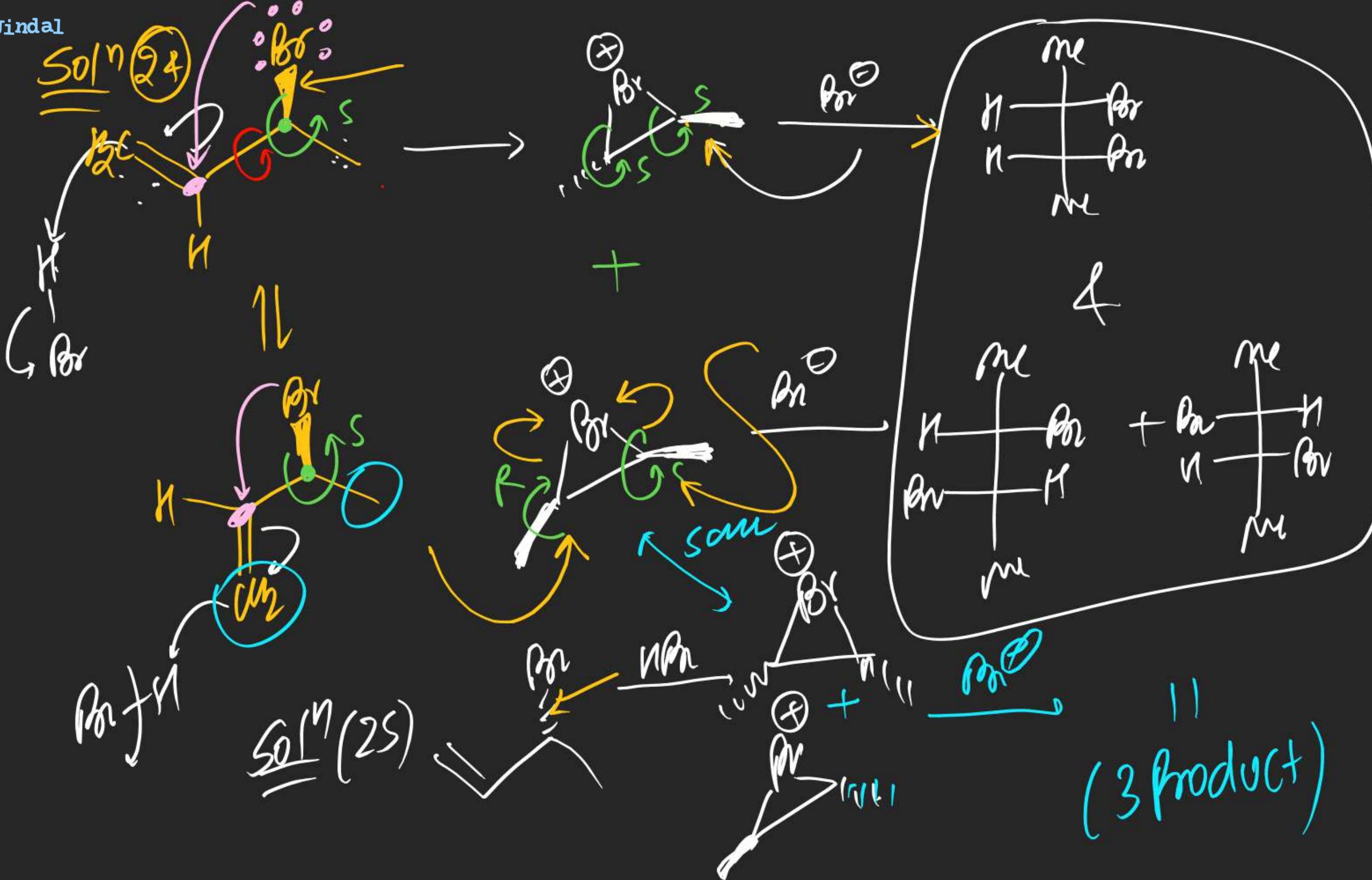
(23)



(24)



(25)



KCP & TCP

\Rightarrow KCP = Kinetically Controlled Product
 = Product which is quickly formed
 = Product which formed by low E_a

\Rightarrow TCP = Thermodynamically Controlled Product
 = most stable product

Note (i) KCP & TCP Both maybe same
 (ii) At low Temp Rxⁿ is immobile



(iii) At high Temp (at which A-B gets dissociated)

Rxn is reversible in nature



(iv) At low Temp \Rightarrow KCP is major Product

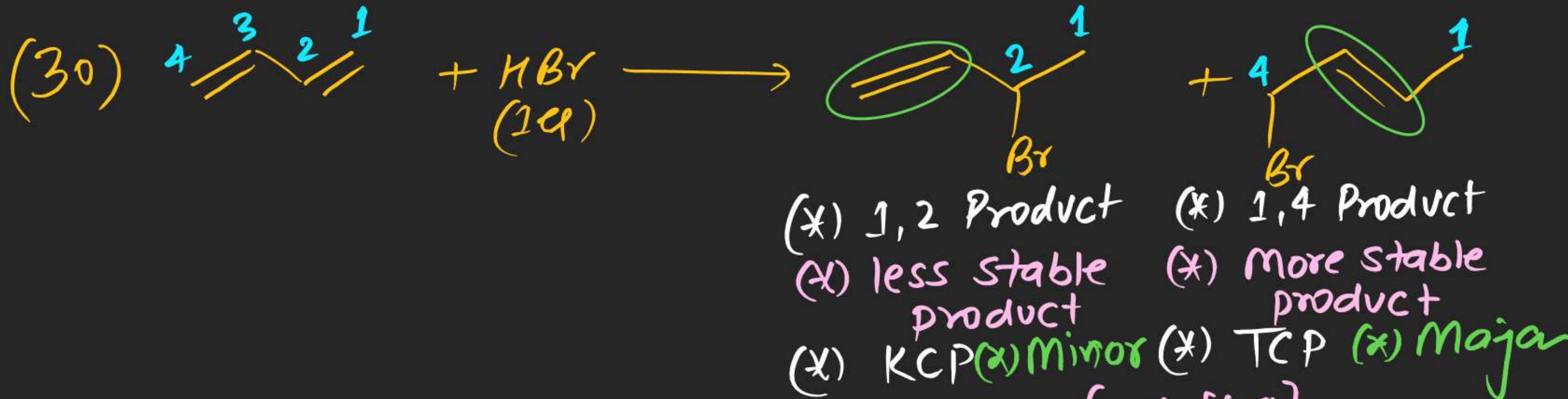
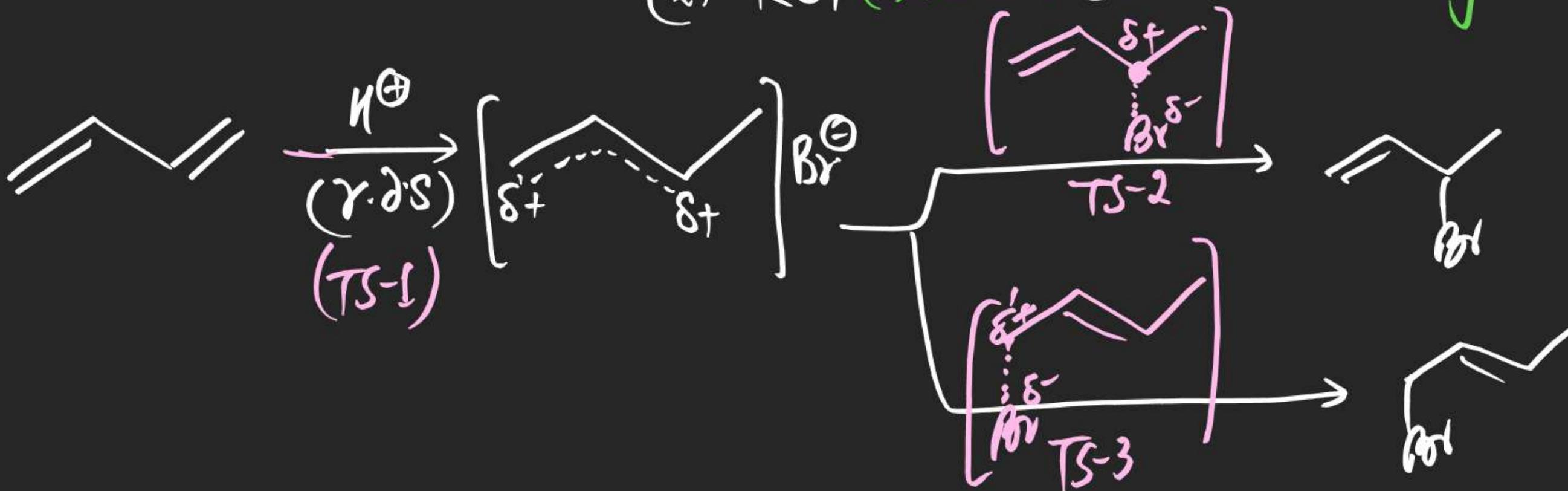
(Rxn is immobile) because there is no sufficient amount of Energy to cross high Energy Barrier.

(v) At high Temp: \Rightarrow TCP is major Product

(Rxn is reversible) because - - - - - - - -

(vi) If NO Temperature is given then TCP is major Product

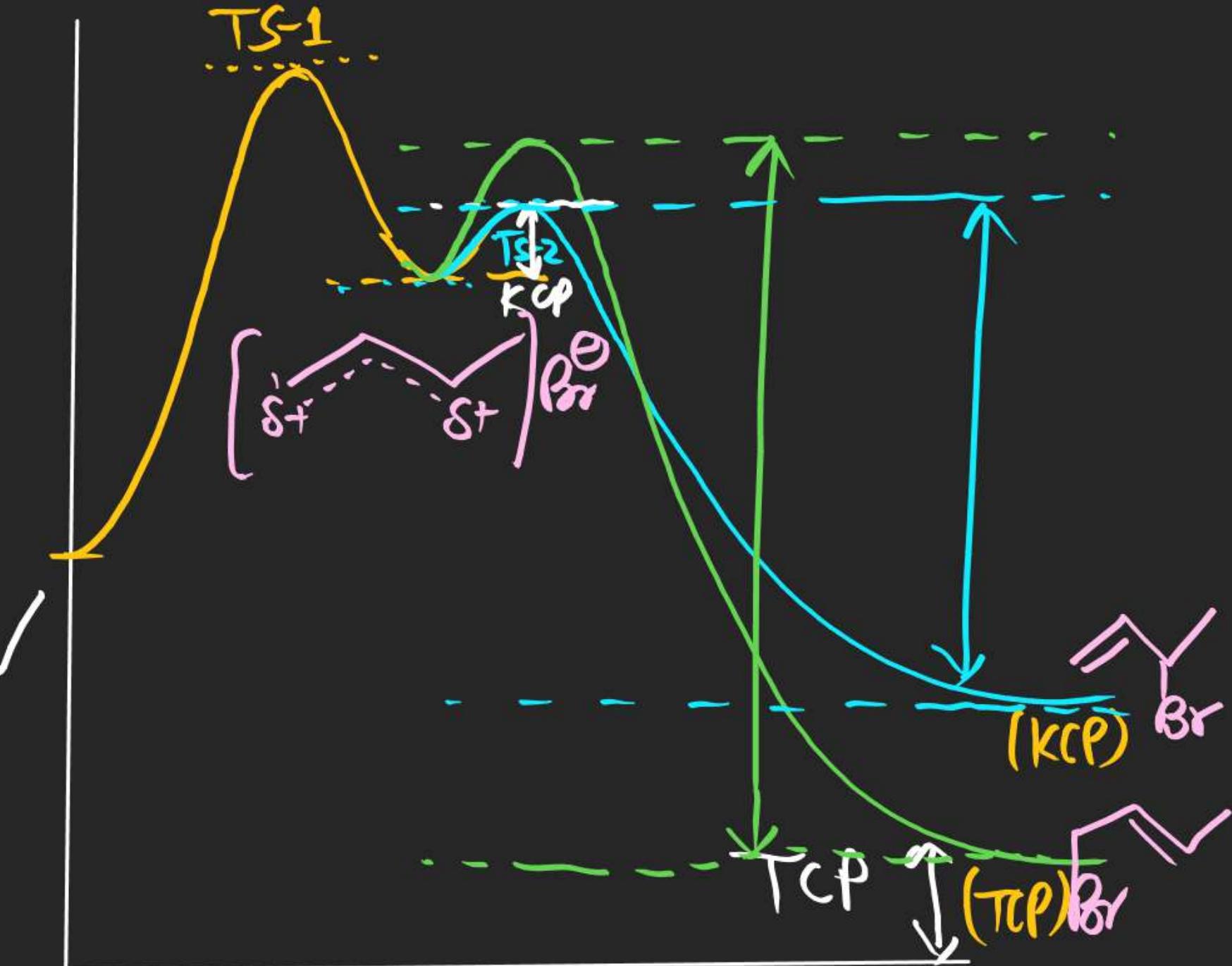
(vii) 1,2 product is always KCP due to probability factor.

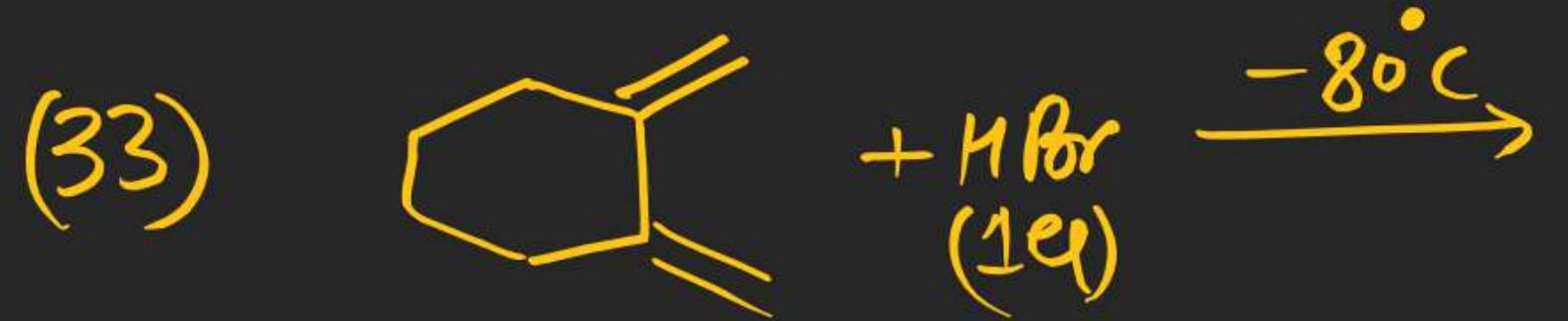
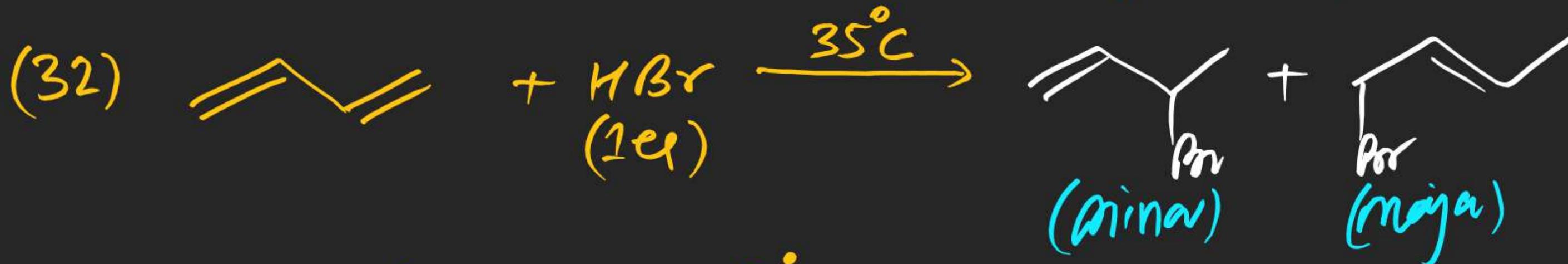
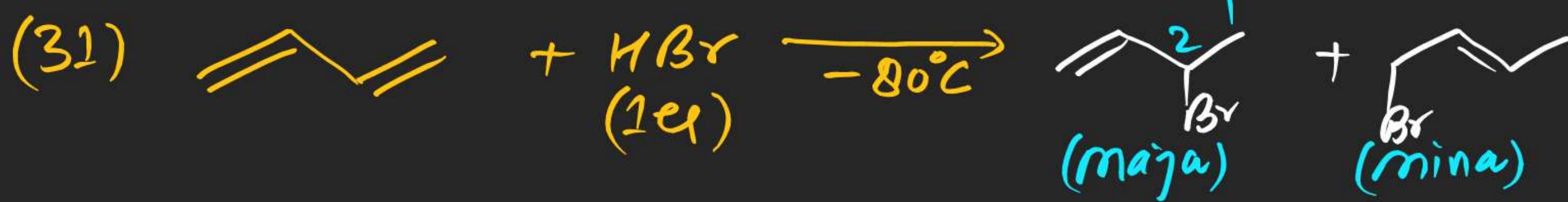
mech^n

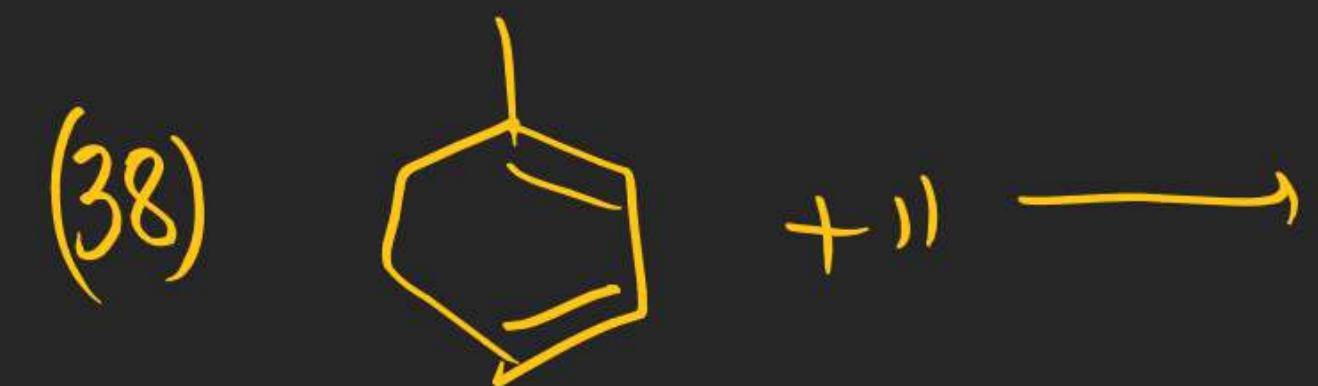
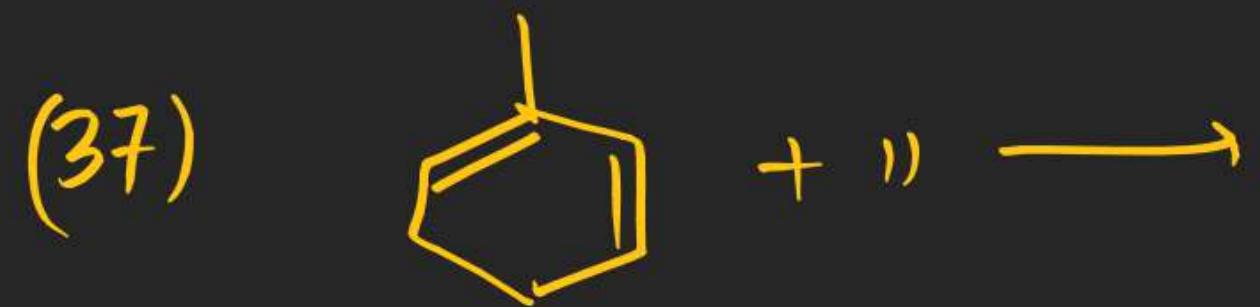
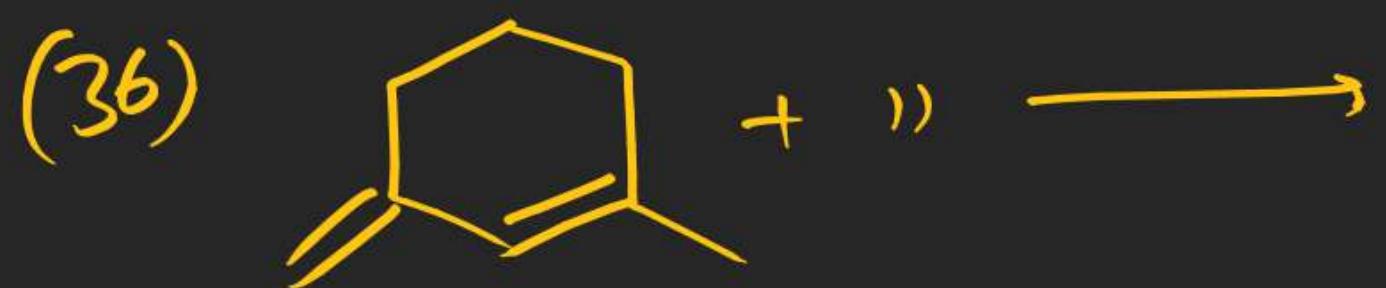
At low T (impossible)

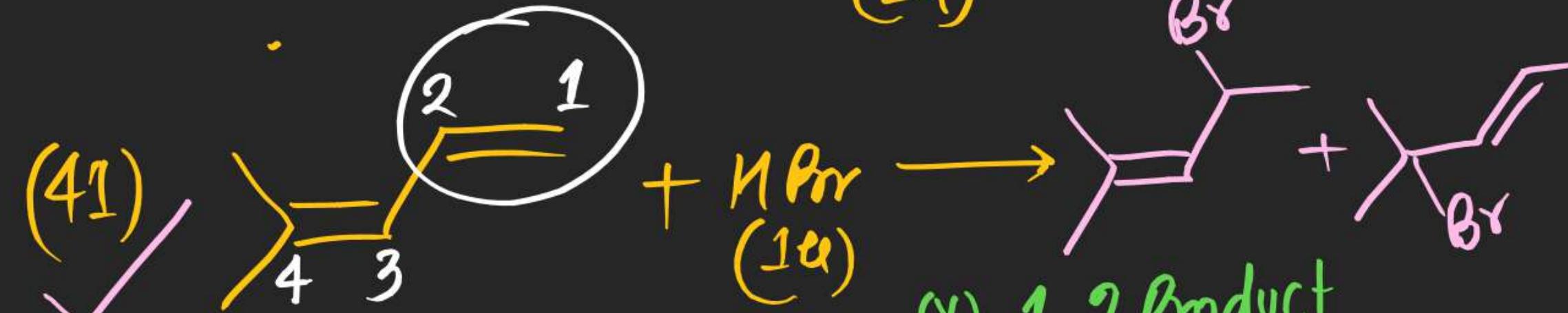


At high T (possible)









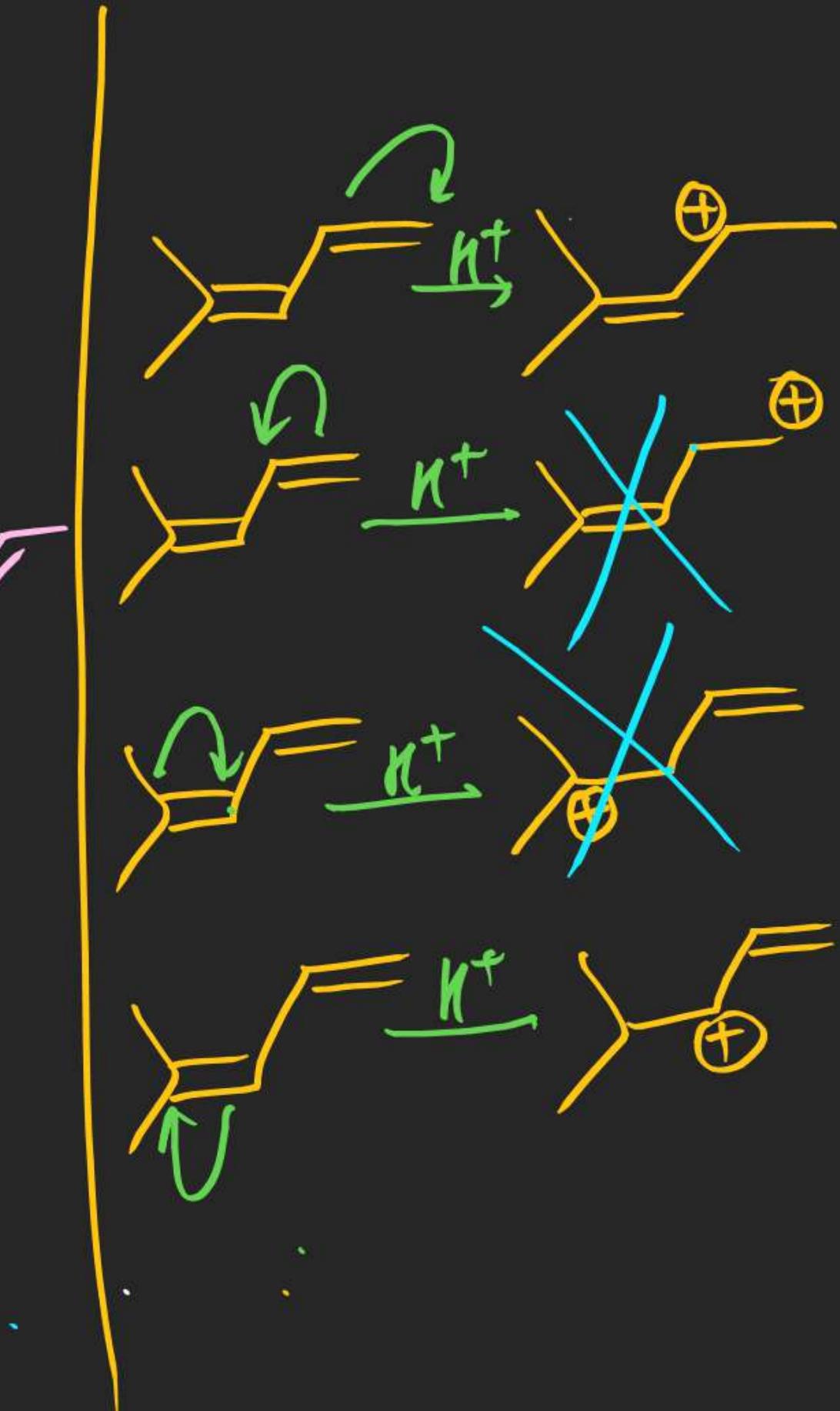
(*) 1,2 Product

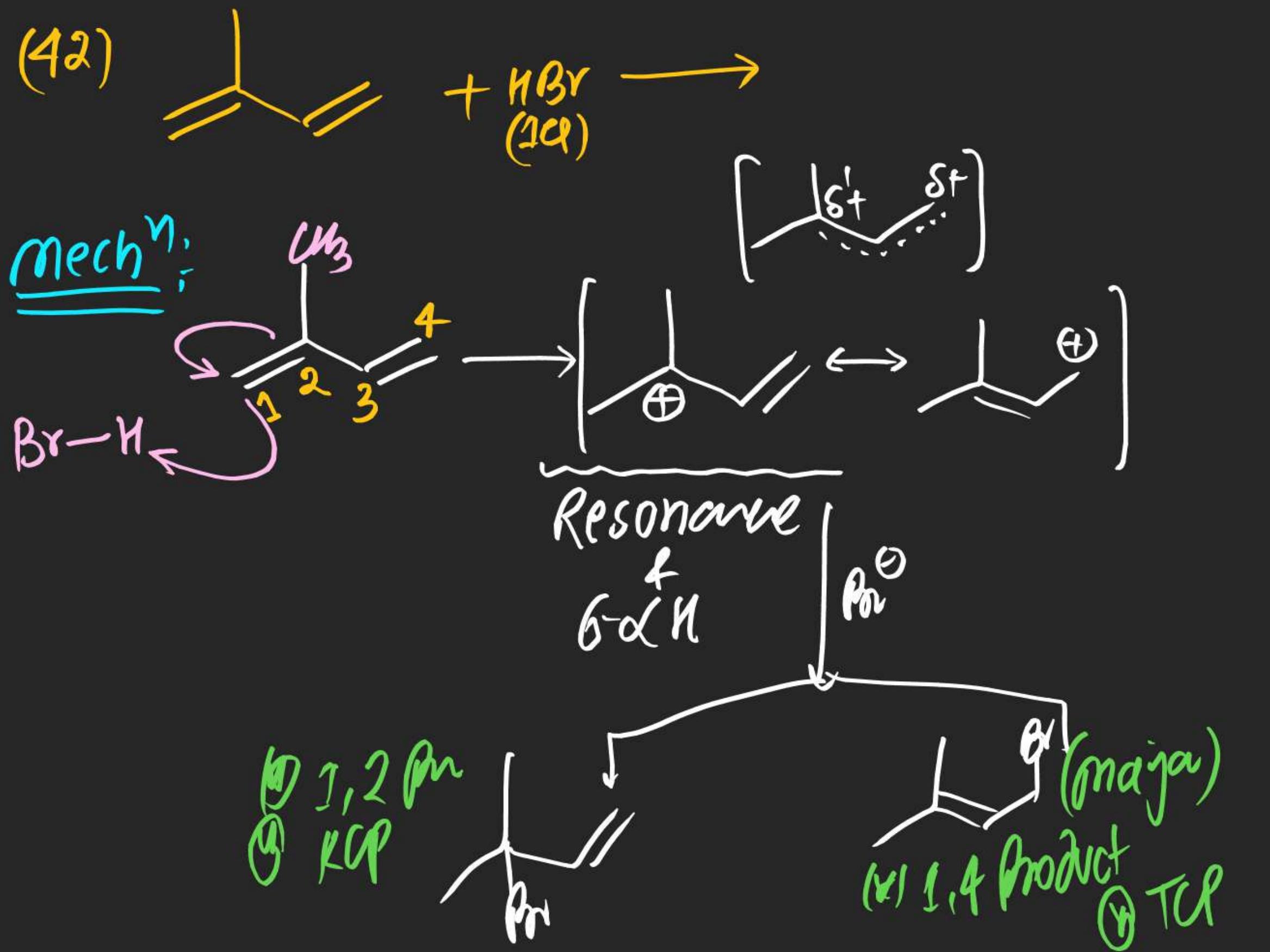
(*) KCP

(*) TCP

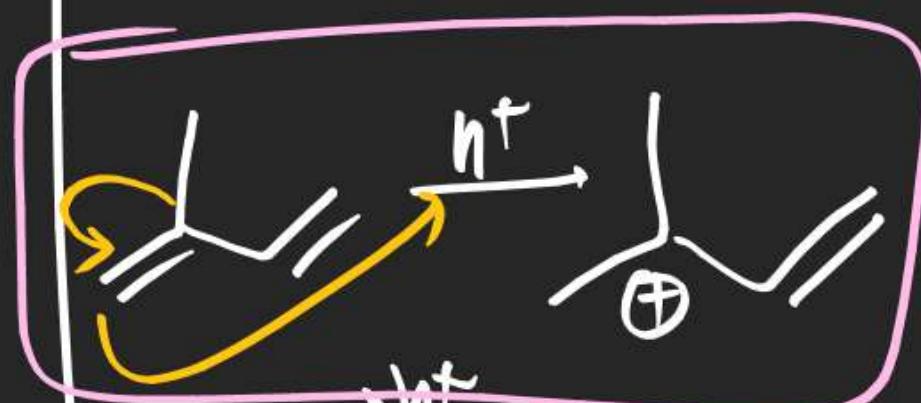
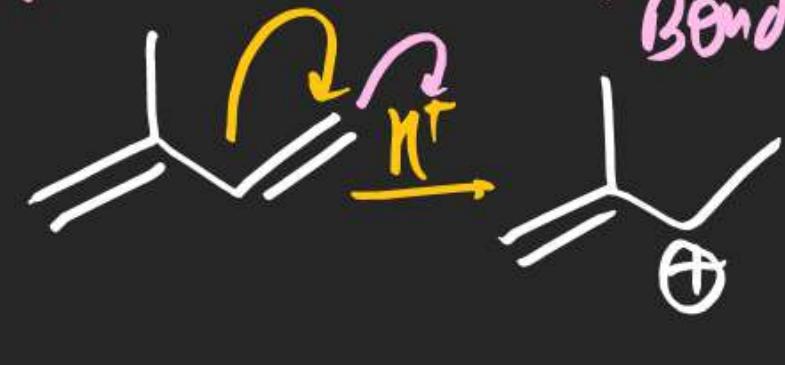
(more stable)

(Major)





Rough work To
find out highly polarized
Bond.



110 Theory copy
isomerism
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