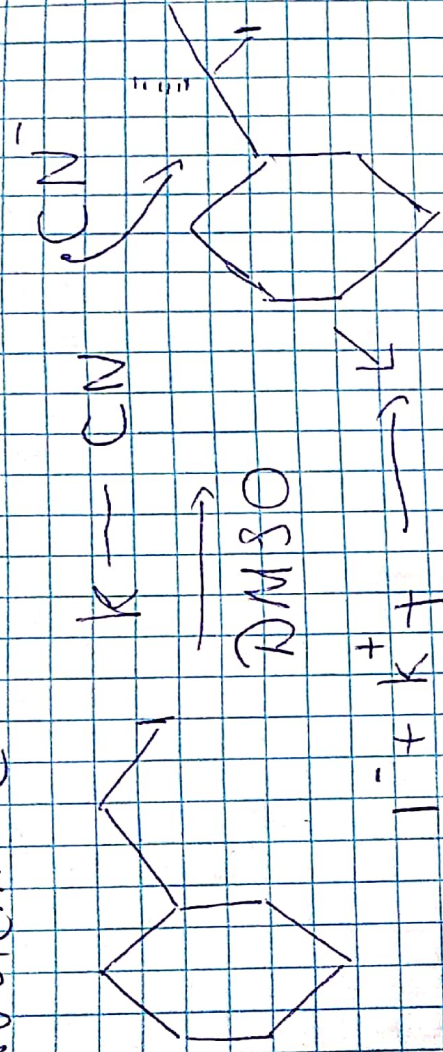


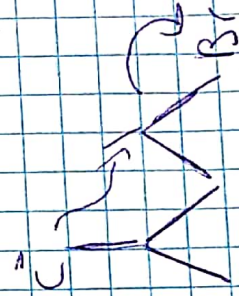
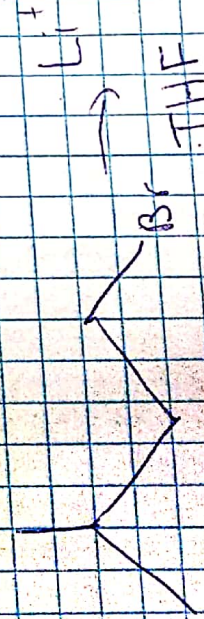
problem c



$S_N2$  substitution is favored for primary and secondary alkyl halides.

So the all follow  $S_N2$  mechanism.

problem b



This reaction is also following the  $S_N2$  mechanism.