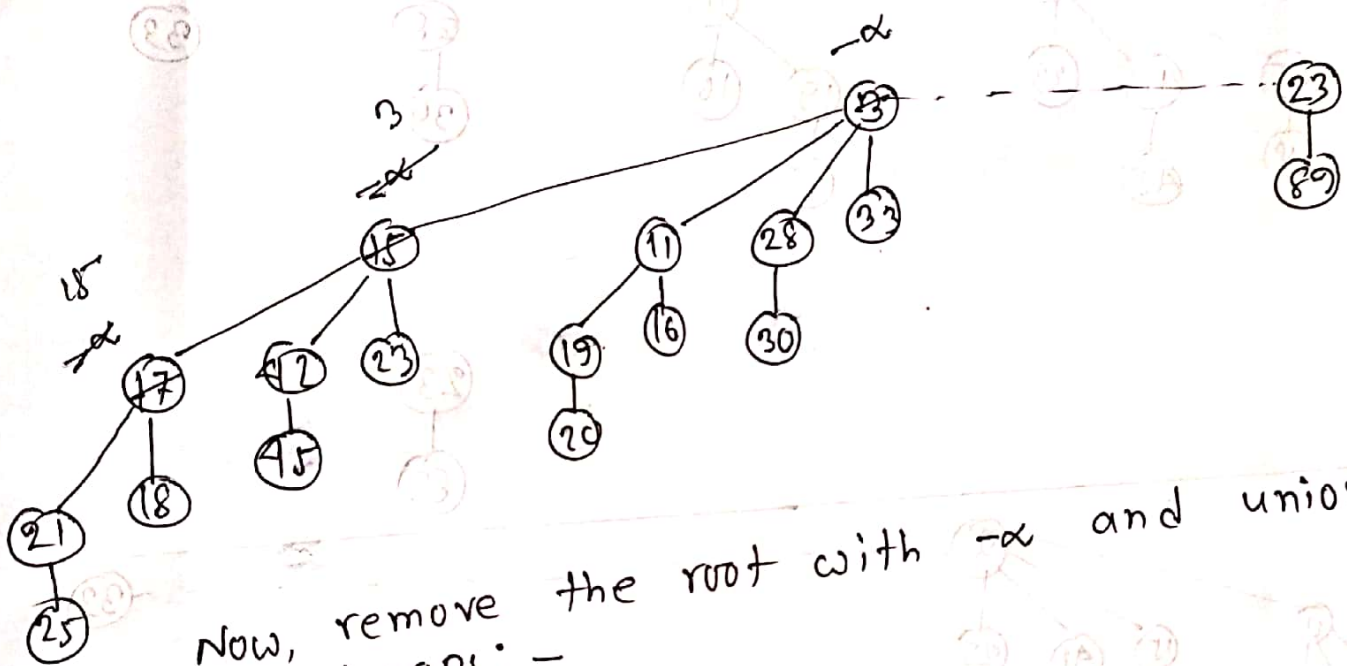


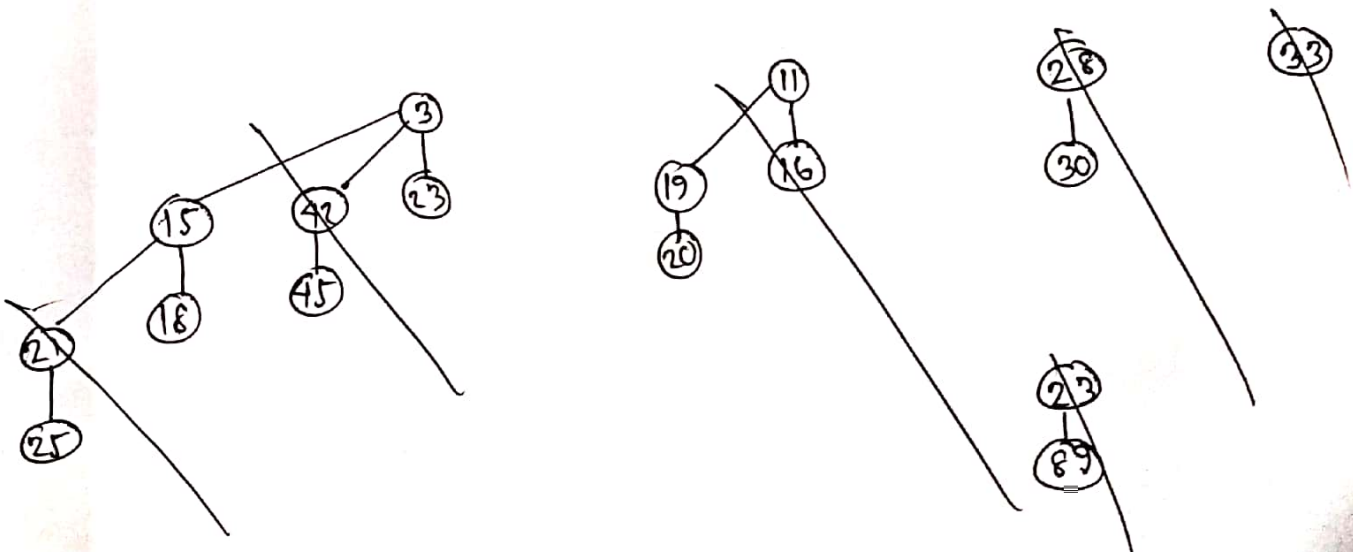
Name: Tanberul Islam  
ID : 1705033

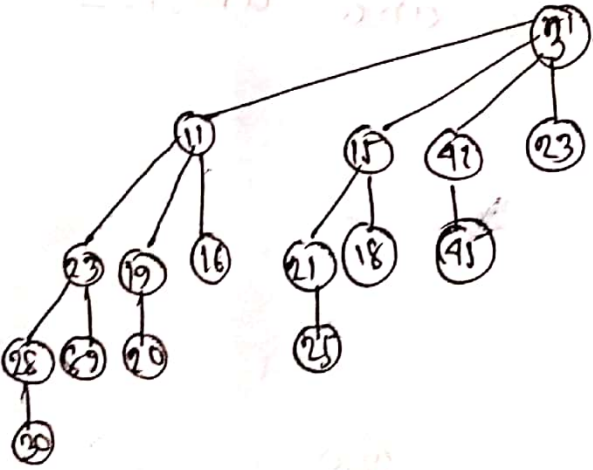
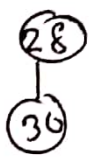
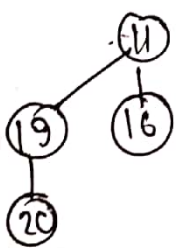
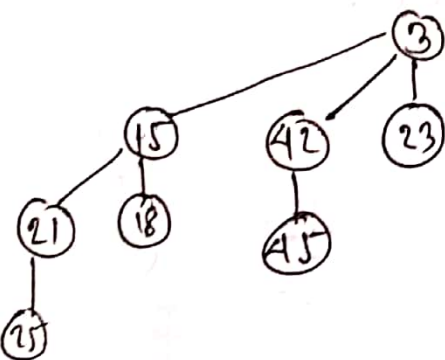
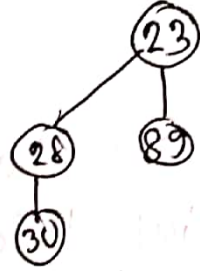
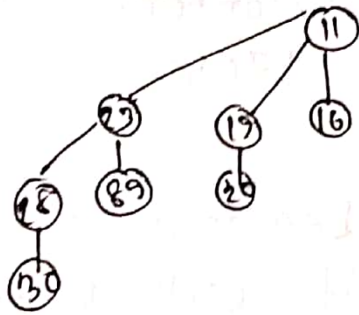
page-1

1. First, decrease 17 so that it becomes smallest in its ~~tree~~ binomial tree. So, it will become the root of its binomial tree.



Now, remove the root with  $\alpha$  and union two heaps: -





② Here,  $f_6 = f_5 + f_4$

