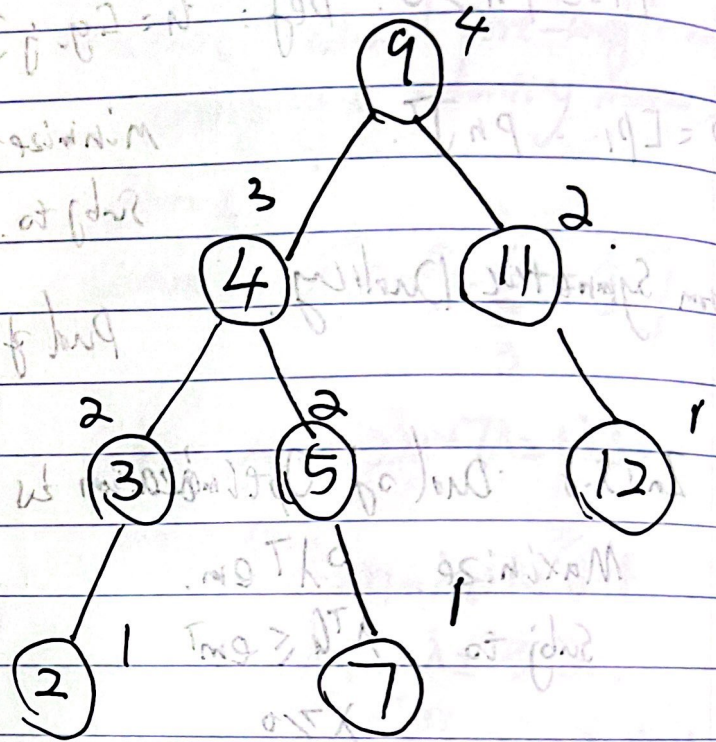
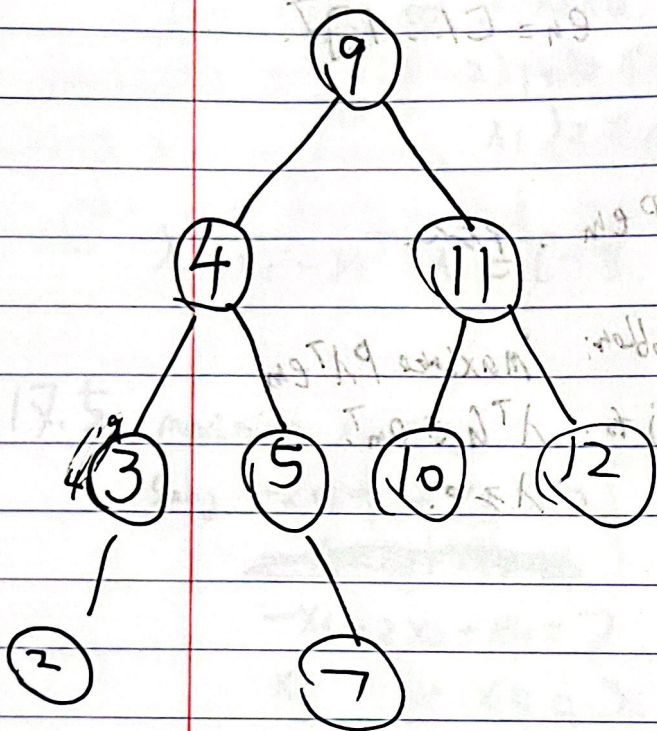


# HW4 Part 1

Initial Condition:

Remove 10.

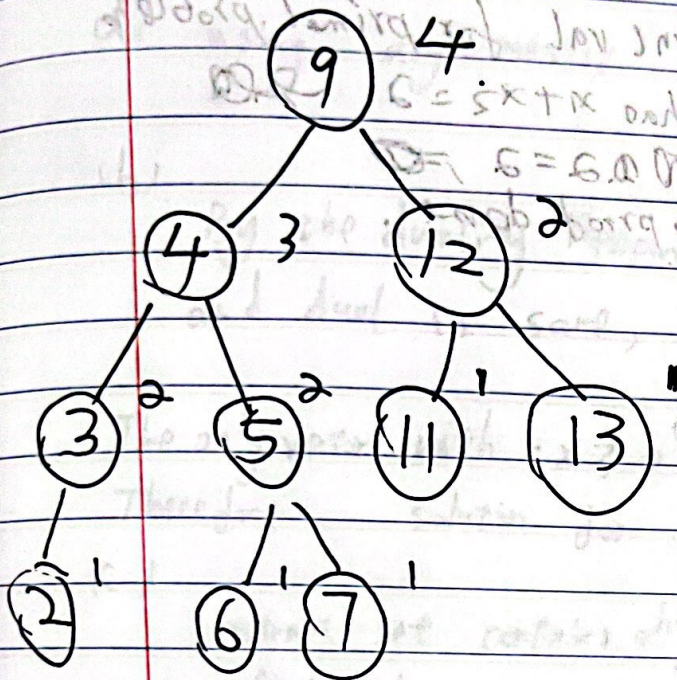


$$\begin{aligned}
 P &= 3X + 5X + 1X \\
 Q &= 4X + 5X + 1X \\
 0 &\leq 4X + 5X + 1X
 \end{aligned}$$

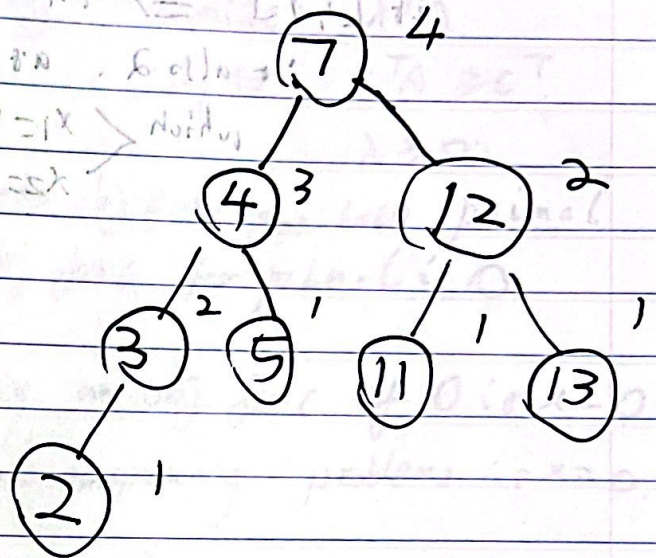
$$\begin{aligned}
 P &\geq 5X + 1X \\
 Q &\geq 5X + 1X \\
 0 &\leq 5X + 1X
 \end{aligned}$$



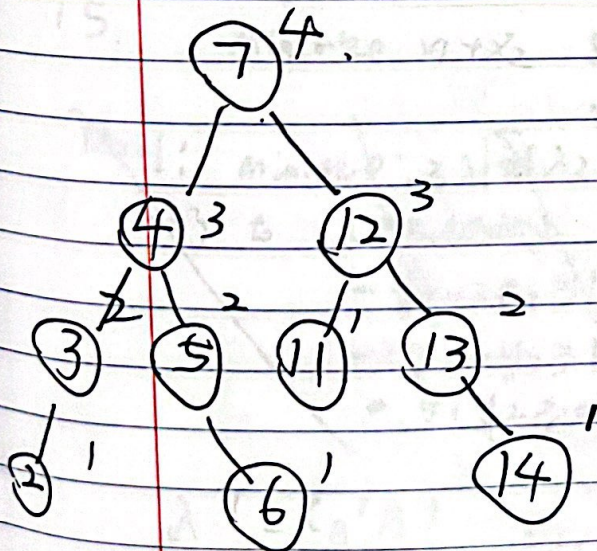
INSERT 6.



REMOVE 9.



INSERT 14



REMOVE 11.

