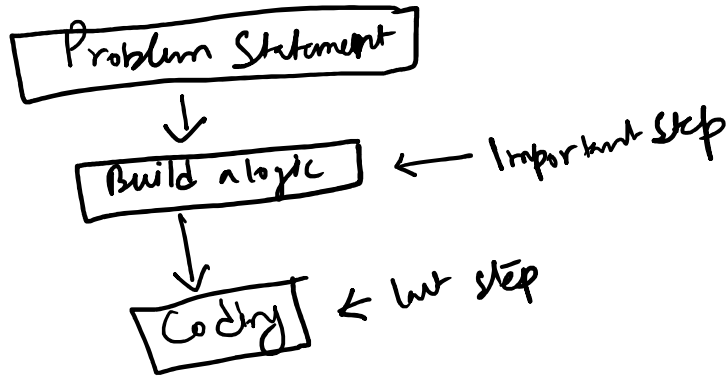


# Programming Fundamentals

Logic Building →



① Shop. Toffee sell. 1 Toffee = Rs 1. Scheme = 3 wrapper = 1 toffee.  
 Rs 30. Maximum-toffees that you can eat?

Ans - (43) (44) (42)

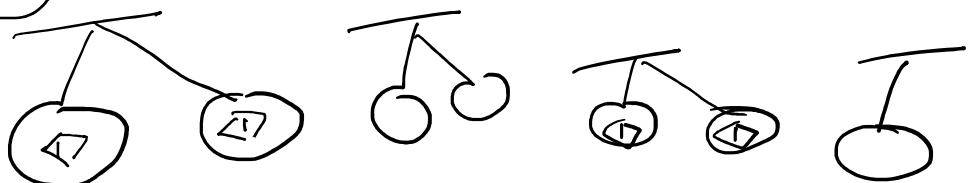
Rs 30 → 30 chocolate/toffee → 30 wrappers  
 $\frac{30}{3} = 10$  toffee → 10 wrapper  
 $\frac{10}{3} = 3$  toffee → 3 wrapper + 1 wrapper  
 $\frac{4}{3} = 1$  toffee → 1 + 1 = 2 wrapper.

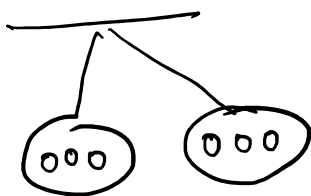
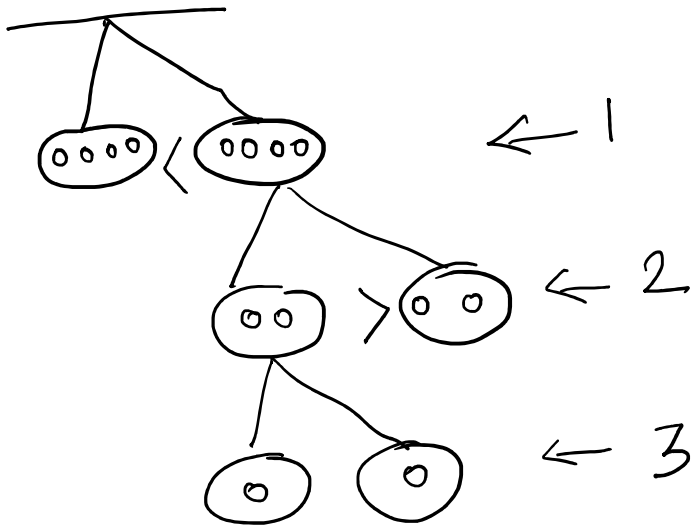
② //

① ① ① ① ① ① ① ①①

Minimum-steps to find the heaviest coin?

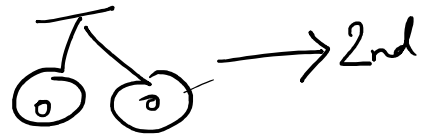
Ans - ~~5~~ (3) (4) (2)





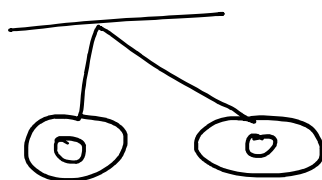
← 1st

① == 6 coins eliminated →



② Left side heavier → 3 eliminate (RHS) + 2 coins remaining

○ ○ ○



== eliminate both coins → 2nd step  
 One side is heavy