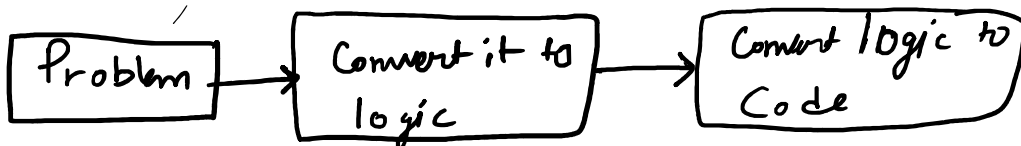


Programming Fundamentals

Logic Building



① Shop. Chocolates buy. 1 chocolate = Re 1.

Scheme - 3 wrapper = 1 chocolate.

Rs 30. Maximum chocolates that you can eat?

Ans = (40) (41) (43) (44)

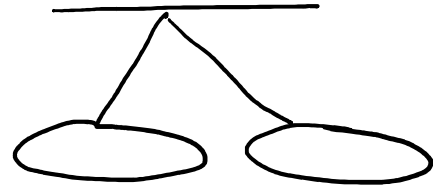
Rs 30 \rightarrow 30 chocolates \rightarrow 30 wrappers.

$\frac{30}{3} = 10$ chocolates \rightarrow 10 wrappers.

$\frac{10}{3} = 3$ chocolates \rightarrow 3 wrappers + 1 wrapper = 4 wrappers.

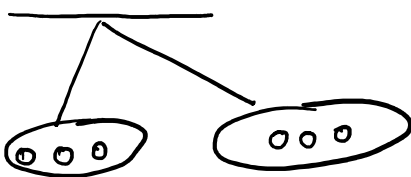
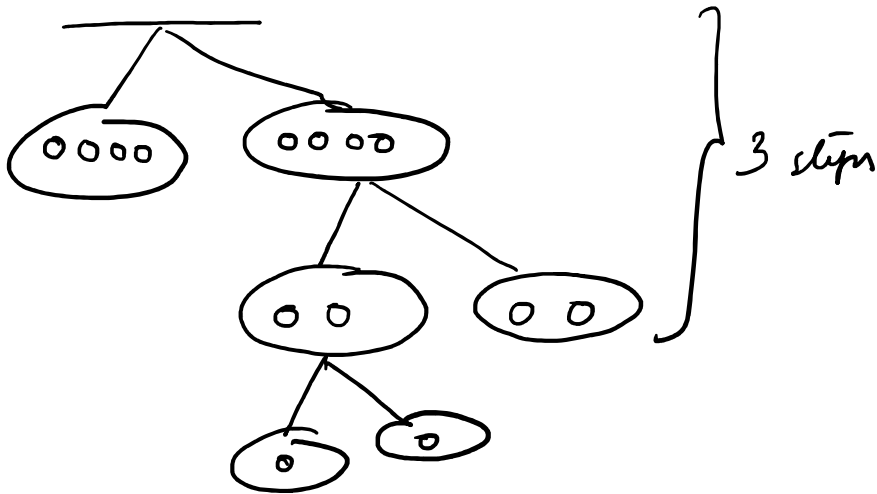
$$\frac{4}{3} = 1 \text{ chocolate} \rightarrow 1 \text{ wrapper} + 1 = 2 \text{ wrappers}$$

②



Minimum no. of steps to find the heaviest coin?

Ans - ④ ③ ② ⑦



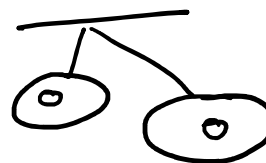
→ 1st step

① == Eliminate 6 coins



→ 2nd step

② not equal Right is heavier
Left 3 coins +
2 coins (Eliminate)



① == Eliminate left & right coin

② Heavier side is heavier coin.