R:310

Lest 1,2,3,4,5,6

Reverse Order \$5,4,3,2,1,6

OROER

1) (1) (5)

2) (1,2)

3) (1,2)

4) (5)

5) (7)

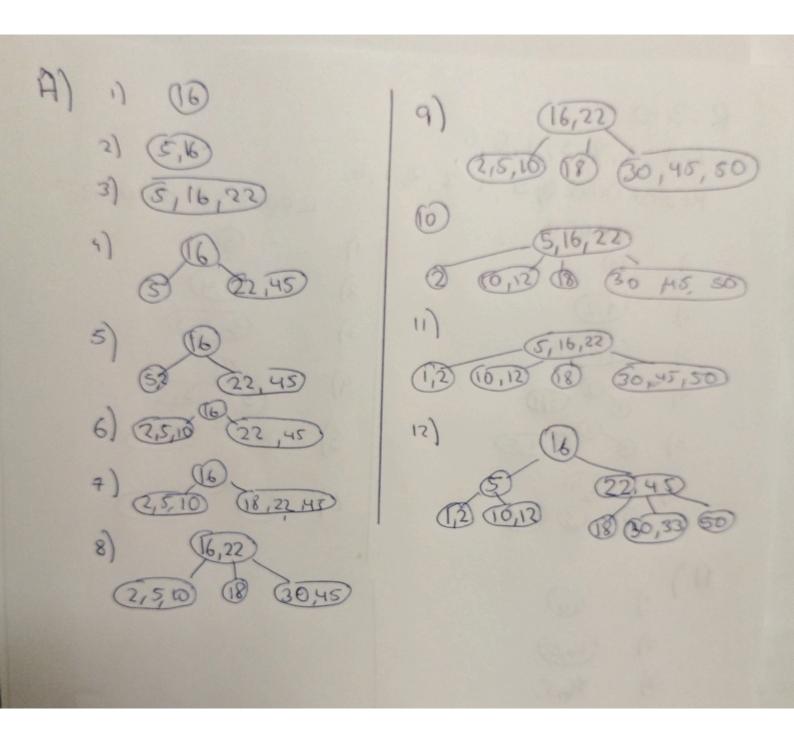
(3) (5,6)

6) (3,4,5)

6) (3,4)

6) (3,4)

6) (3,6)



Floorthm fred (winner

D:= new Dictionary (HT)

P:= s. first()

D. insert I tem (p. element)

White ! s. is Last (p) do

p:= s. apter (p)

id:= p. element()

if find == No_ such_key then

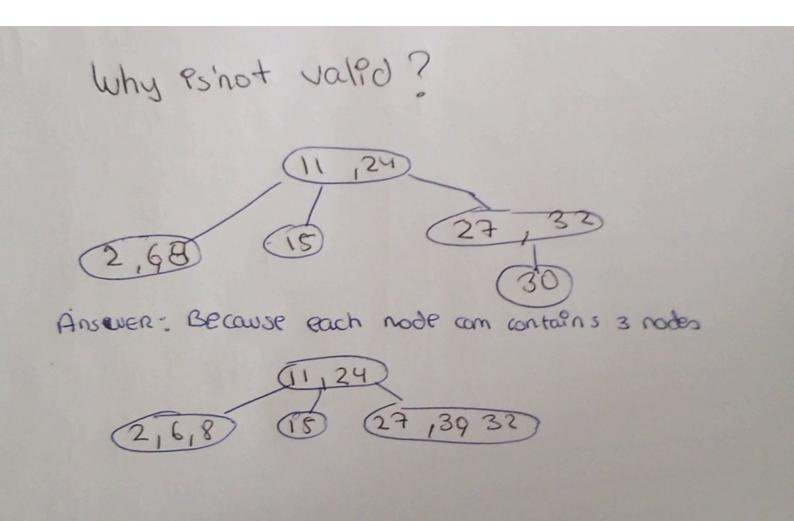
D. insert I tem (id, i)

else D. insert S tem (id, find +1)

corner = D. items(). geto)

return winner. when it walke walke then

return winner



```
Algorithm (2nd Number (A, B, x)
nlogn Merge Sort (A, E)
nlogn Merge Sort (B, C)
      90cA = 0
      incB = 0
      while Prica & A. size and inc B & B. size do
 1
            if (A. Kelem At Plank (IncA) + B. elem At Plank (IncB) = x then
 1
                    return true:
 1
            9€ 1 A. dem AtRank (IncA) & B. elem AtRank (PricB) then
  1
                      ancA == ancA+1
  1
            else
 n
                     incB ? = PncB+1
      return false
     nlogn
```