

to 0

process of 01

$\lceil 3/2 \rceil = 2$

as req \leftarrow

$\lceil 2 \rceil = 1$

$\lceil 2 \rceil = 1$

10 - 9 - 0 1 - 3 6 - 8 8/3

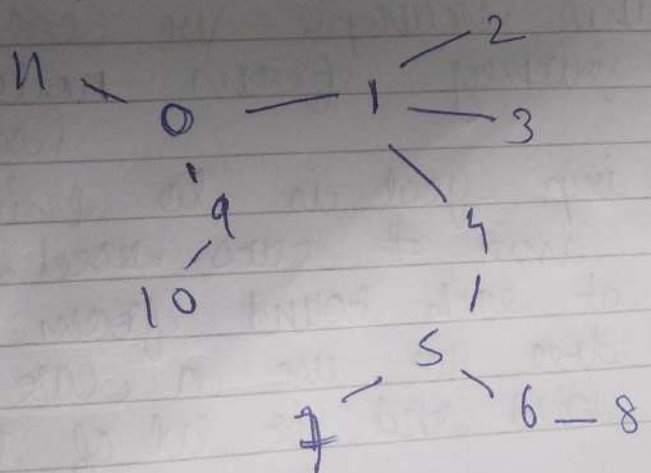
4

$\lceil n/3 \rceil$

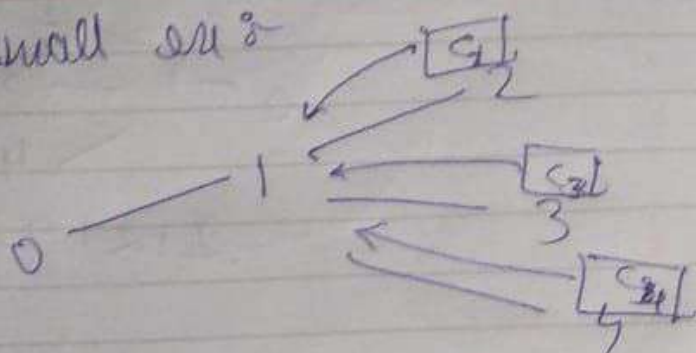
$\text{adj}[\text{node}] = \# \text{ nodes needed}$

* 1466 - Logic Explan

Example case (seats = 3)



Starting with small $n=2$
seats = 2



→ Cars C_2, C_3, C_4 will each be req to reach 1

→ ∴ To reach 1 cost = 3×1 — (1)
cars ← 4 cost per destⁿ

→ From 1 to 0:

∴ seats = 2

8 # people from 1 to 0 departed = 4
(size of sub tree)

$$\Rightarrow \# \text{ cars req for 1 to 0} \\ = \frac{\# \text{ people}}{\text{seats limit}} = \frac{4}{2} = 2$$

∴ cost = 2×1

∴ Total = 5

— [for ① & ②]

* In this example we calc the cost of journey from node → root
(see code for better understanding)

* → Most imp goal is to min cost & min # cars used.

→ So at each round from root nodes of this tree we use a car.

→ At root and (or) lvs of tree) depending

if on $\#$ people are present at node we choose min of cars and at cur node

↓
call cars from child node
+ 1 of cur node

$$\rightarrow \text{min } \# \text{ cars req} = \left\lceil \frac{\# \text{ people}}{\text{seats lim}} \right\rceil$$

* Now based on this try to find ans for example case (ans = 15)