Segment Tree Concepts & Qns...



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"No more fear of Segment Tree"

the only thing I can control is

How Hard I work...,

video - L

Recap :

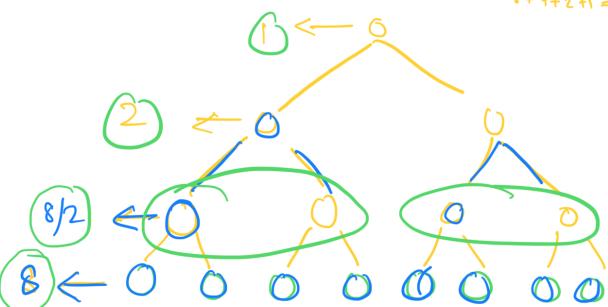
- We understood about segment Tree? What? why? When?
- buildSegmentTree
- Example Range Sum in an averag
- UPdate Query
- Range Quoy

Why we have to take 4xn size away for Segment Tree?

First let's take some examples:-

Size of average $\rightarrow n = 8 \rightarrow (2 \pm n - 1)$

0 + 4 + 2 + 1 = 15



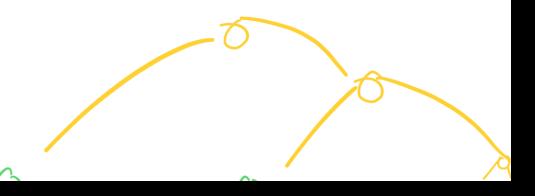
$$n = 16 \longrightarrow \text{nodes} \rightarrow 2\times16 - 1 = 31$$

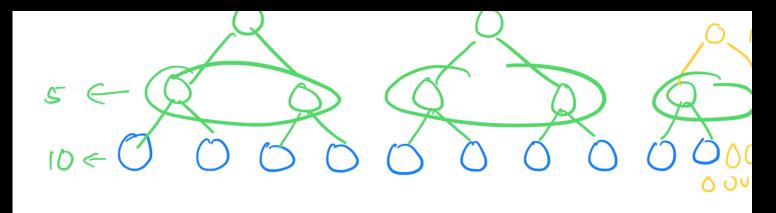
$$2^{2} \quad n = 4 \leftarrow \rightarrow 7 \rightarrow (2^{3} - 1)$$

$$2^{3} \quad n = 8 \leftarrow \rightarrow 15 \rightarrow (2^{3} - 1)$$

$$2^{3} \quad n = 16 \rightarrow 31 \rightarrow (2^{5} - 1)$$

$$\eta = 10$$



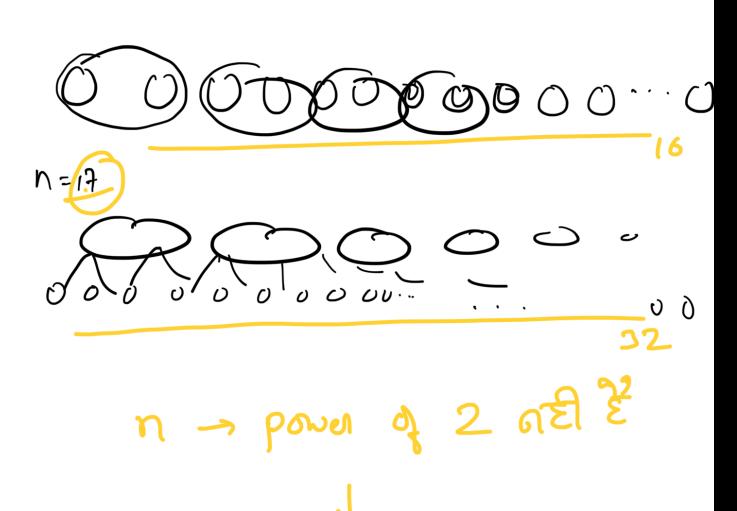


i] n is not power of 2
we have to append some
extra/dummy nodes.

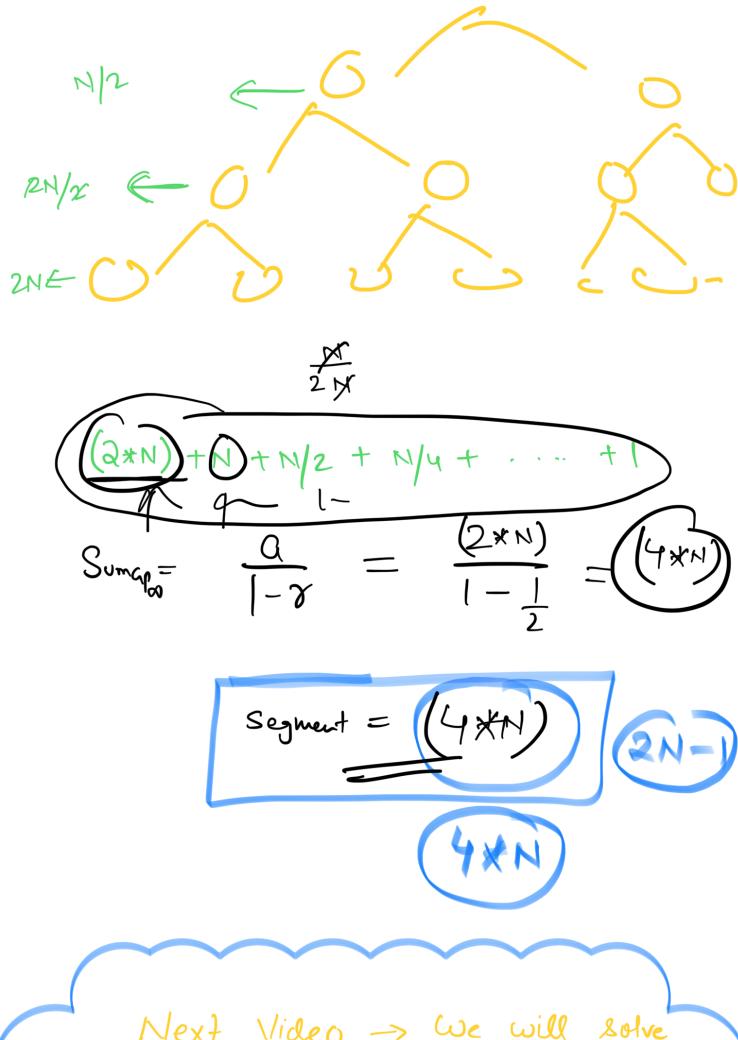
n=9



n=17



~ (2xN) leg nodes



We will solve Next Video

One on Legment
Tree.

Weekdays.