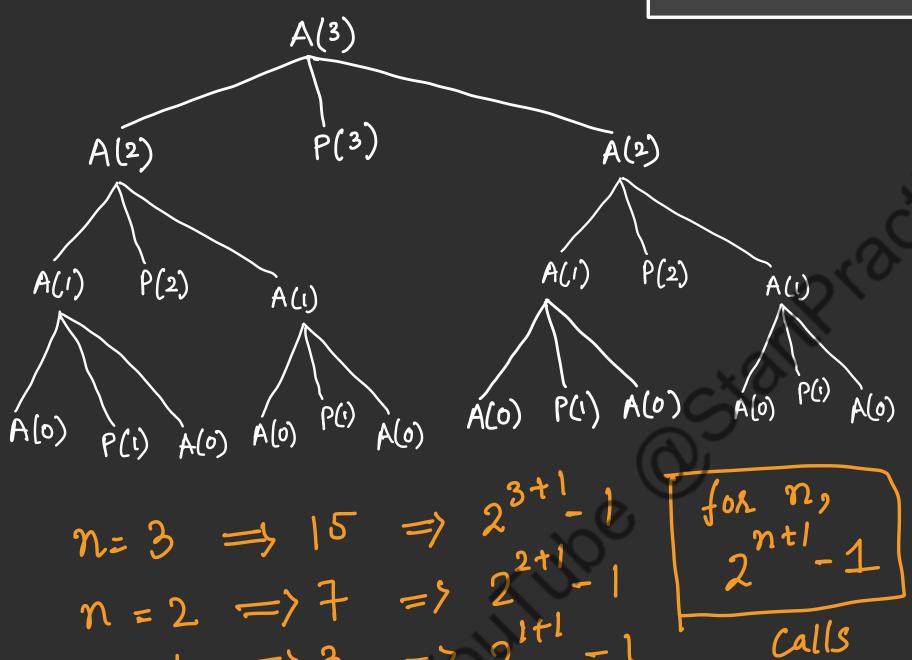
## Topics to discuss

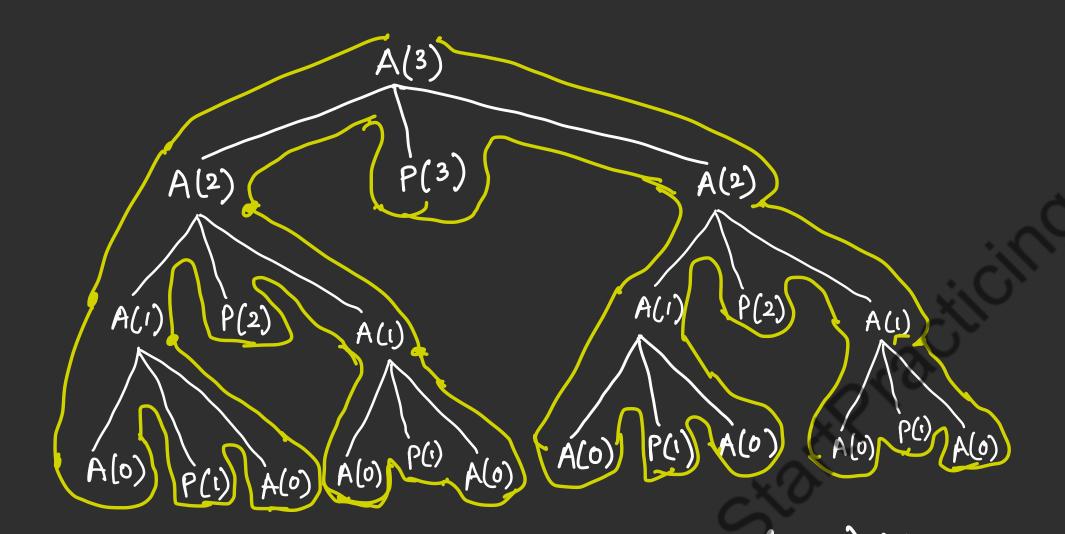
How to find space complexity for recursive algorithm.

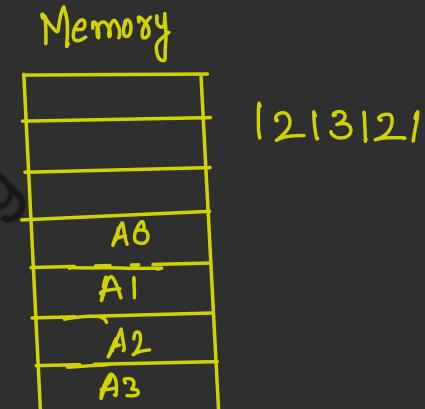
Example -02

Assume, n=3

$$T(n) = \begin{cases} 2T(m-1)+1, & m \ge 1 \\ 1, & m = 0 \end{cases}$$







Traverse -> Top to down left to right

$$S \cdot C = (n+i)K$$

$$= n \cdot k$$

$$S \cdot C = O(n)$$

## **Follow Now**



**Start Practicing** 



i.\_am.\_arfin



**Arfin Parween**