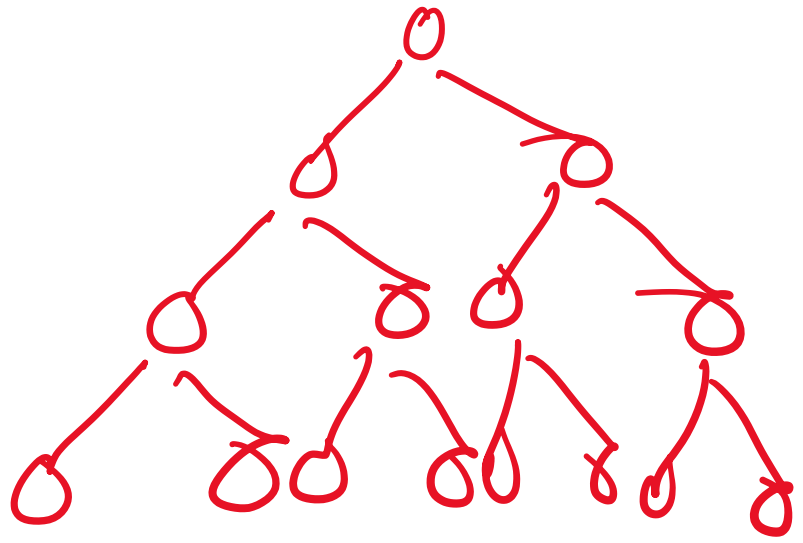
No of Nodes in CBT

Monday, 12 October 2020 4:17 PM



$$\underbrace{2^0 + 2^1 + 2^2 \cdots 2^{h-2}}_{} + 2^{h-1} = n$$

$$1 \times \frac{(2^{h-1} - 1)}{2-1} + 2^{h-1} = n$$

$$2^{h-1} + 2^{h-1} = n + 1$$

$$2 \times 2^{h-1} = n + 1$$

$$2^{h-1} = \frac{n+1}{2}$$