pinot= Quick Sont 17 γ_2 $log_i(n)$ void quickSont(vectors = pvt रशक (राष्ट्र) समात 🖾 = pvt खाक राष्ट + int []= create Partiti -> quicksont(ann,L,f pvl=1 17 put $+\frac{n}{2}+\frac{n}{4}+\frac{n}{8}+$

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int Sana, int Linta

on (arit, L,R);

·-/)

1, 2)

22

P=9 7 6 ...

$$\frac{1}{1} + \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \dots + \infty$$

$$= n \left(1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \dots + \infty \right)$$

$$= 2n$$

$$\approx 0(n)$$

 $= \frac{Q}{1 - 1}$ $= \frac{1}{1 - 1/2} = \frac{1}{1 - 1/2}$