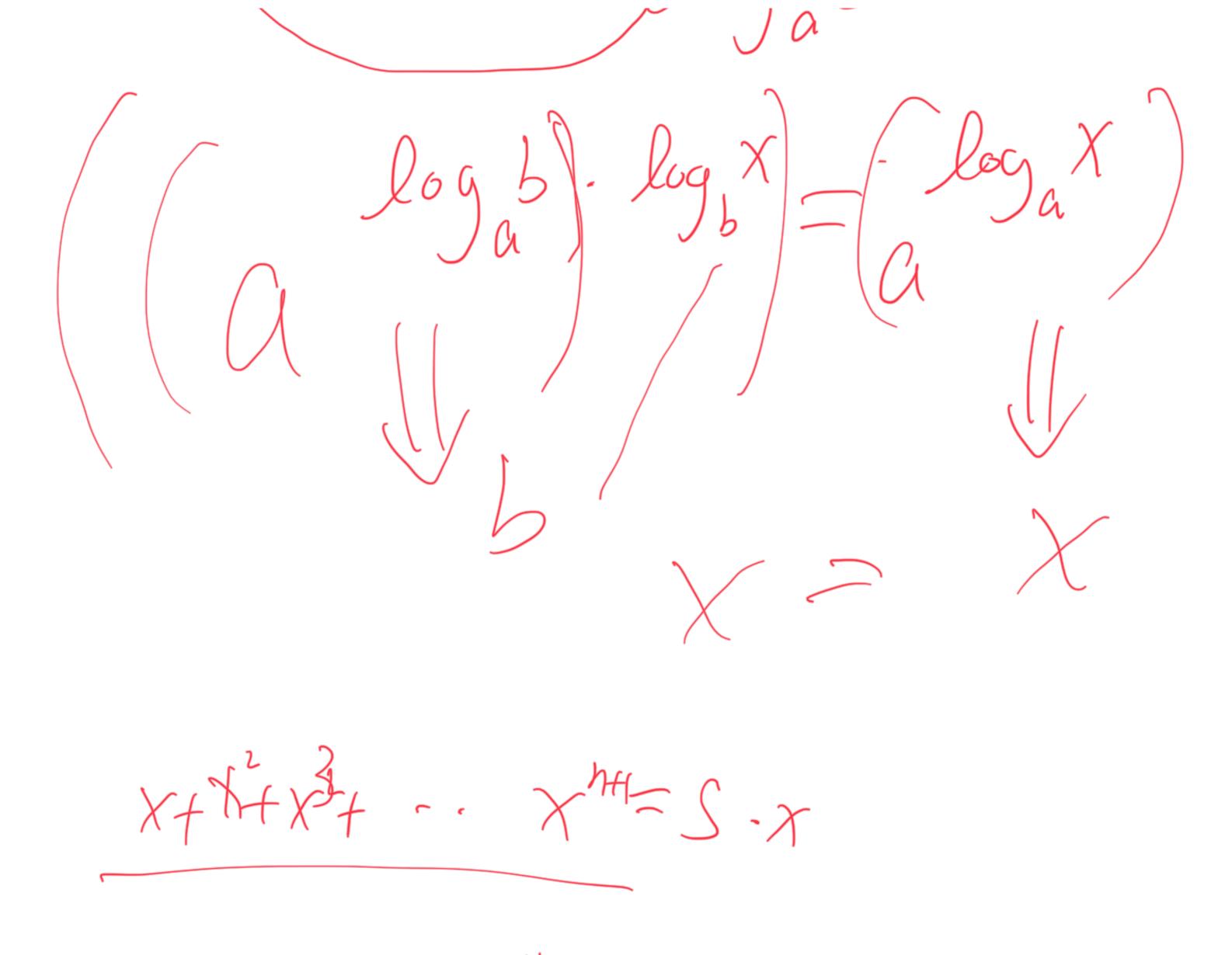
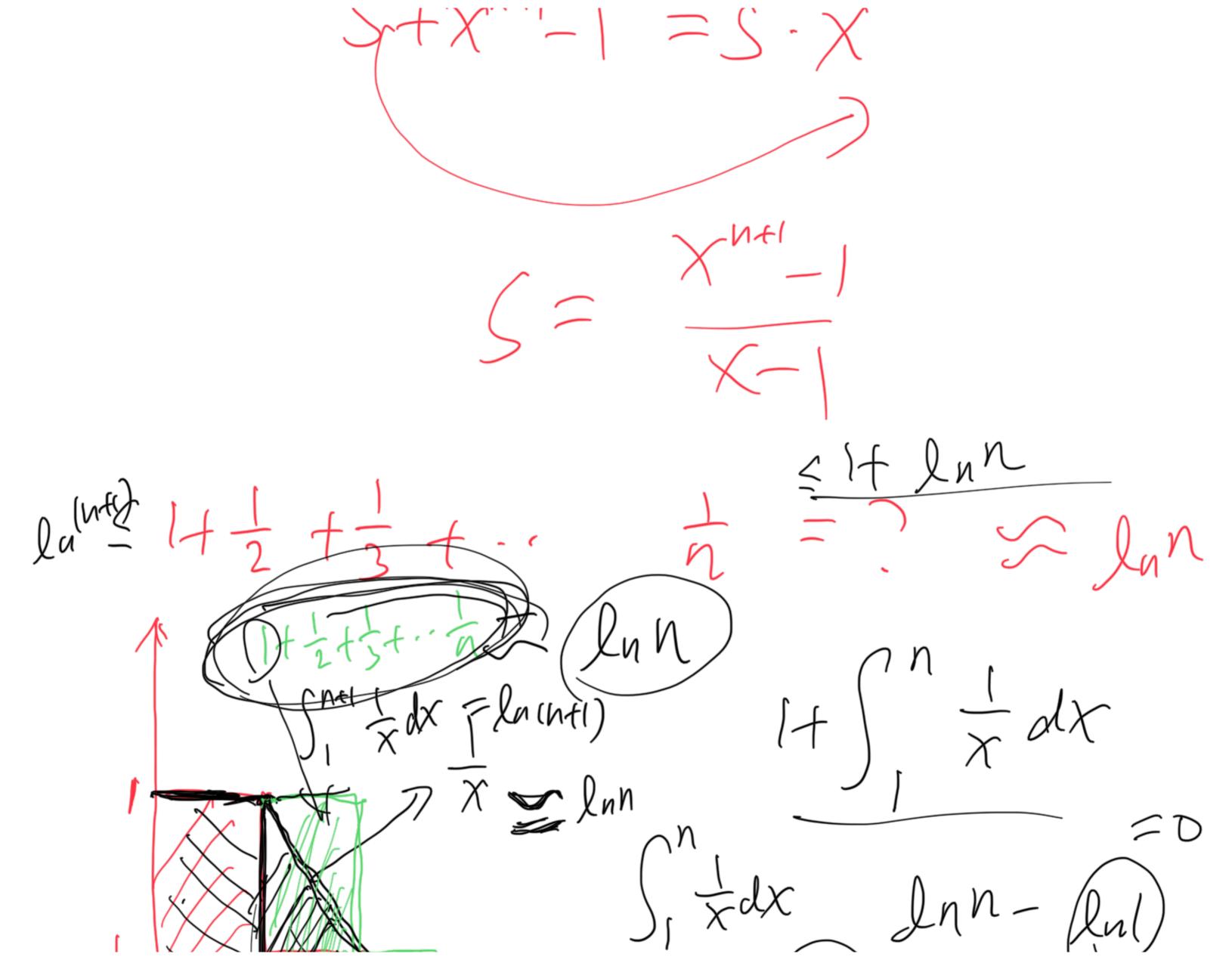
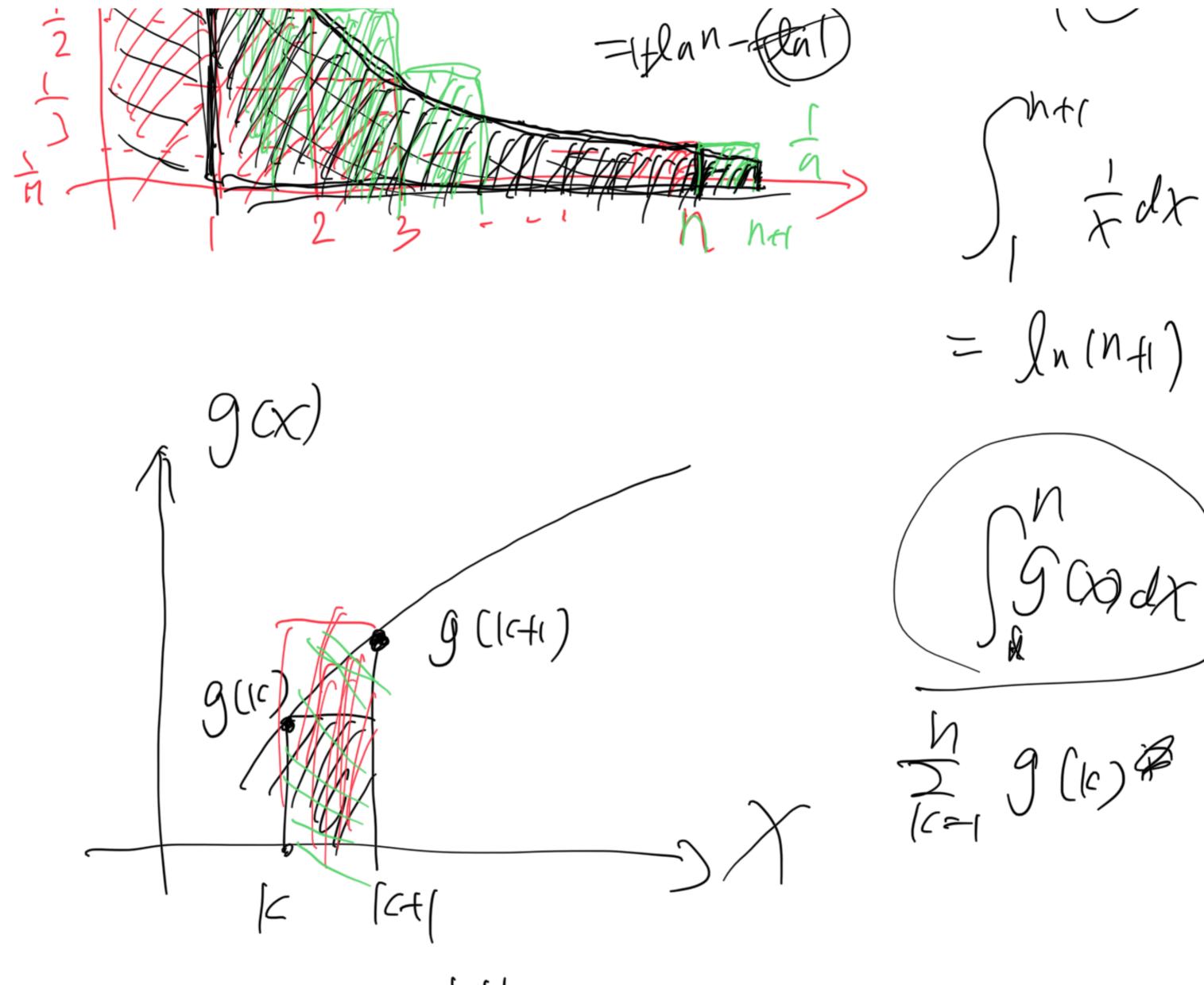


(log by) log (X log b log X log a = log a log x log a Mogs X



1 - n+1





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$$J(k) \leq \int_{k}^{\infty} J(x) dx \leq J(k+1)$$

$$T(n) = 2T(\frac{n}{2}) + \beta(n) \rightarrow Cn$$

$$T(\frac{n}{2}) = 2T(\frac{n}{4}) + \beta(\frac{n}{2})$$

$$C(n) \qquad C(n)$$

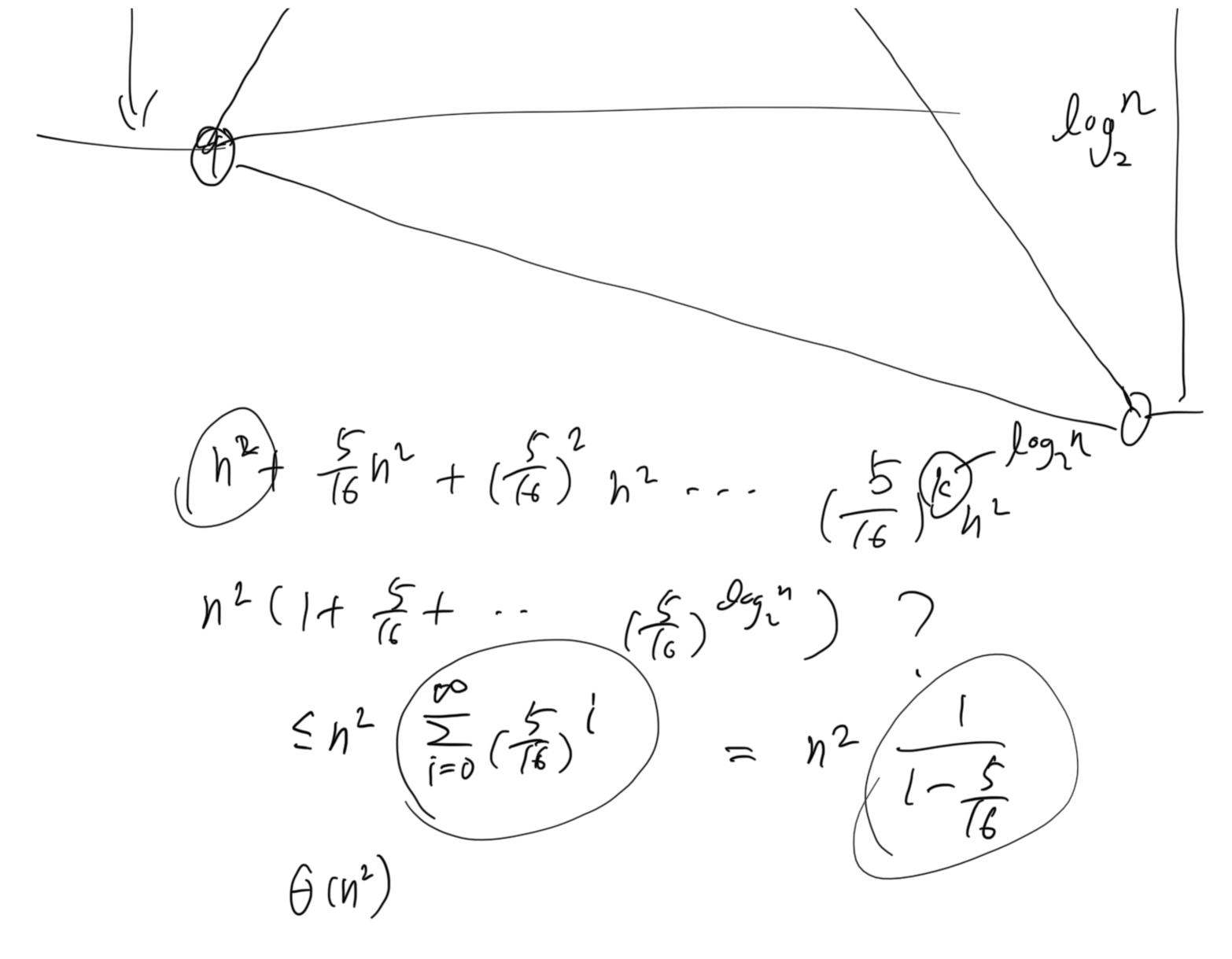
U (1 xog 12)

$$T(n) = 4T(\frac{h}{2}) + n$$

$$(n) = n$$

1c= logh

4 IA O ''



$$T(n) = aT(\frac{h}{b}) + f(n)$$

$$f(n) = af(\frac{h}{b}) + f(n)$$

$$f(n) = af(\frac{h}{b}) + af(\frac{h}$$

n Yoga  $\lim_{h\to\infty}\frac{n^b}{\alpha^n}\to 0$ 46>0 7 No, S.t. N>No,  $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$   $\lim_{\log n \to \infty} \frac{(\log n)^b}{(\log n)^b} \to 0$