rundine 1.

$$T(n) 1+2+4+8+--+2M$$

$$= 2^{M+1}-1$$

$$= 2^{n}$$

Tuntine:

T(A) = 1+(+1+)+...

 $T(n) = 1+(+++)+\cdots+1$ $= \Theta(\log n)$

$$\begin{cases}
fan 3 cn / l^{n} \\
 \sqrt{fan 3 cn / l^{n}}
\end{cases}$$

$$\begin{cases}
fan 3 cn / l^{n} \\
 \sqrt{fan 3 cn / l^{n}}
\end{cases}$$

$$\begin{cases}
fan 3 (n-1) \frac{cn}{2} \\
 \sqrt{fan 3 (n-2)} \frac{cn}{4}
\end{cases}$$

Yuntime!

$$T = n + \frac{n}{2} + \frac{4}{4} + \cdots + 1$$

$$= 2n = 1$$

$$= 0 \in \mathbb{N}$$