Exemple:

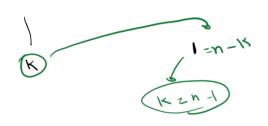
of from UB











$$T(n) = 1 + 6 + 6^{2} + 6^{3} + 6^{1}$$

$$= \frac{5}{120} = \frac{6^{1} - 1}{6 - 1} \approx 6^{1} = \frac{6}{120} = \frac{6}{$$

(b) T(n) = T(\frac{n}{2}) +1 - \(\text{T} \) = T(\frac{n}{2}) +1

Shep

Since

$$0$$
 $\frac{n}{8^{0}}$
 $\frac{n}{8^{1}}$
 $\frac{n}{8}$
 $\frac{n}{8^{1}}$
 $\frac{n}{$

6 n 1 $n-2$ 2 $n-4$ 3 $n-6$ 1 $n-6$ 2 $n-6$ 1 $n-6$ 2 $n-6$ 3 $n-6$ 1 $n-6$ 1 $n-6$ 2 $n-6$ 3 $n-6$ 1 $n-6$ 2 $n-6$ 3 $n-6$ 1 $n-6$ 2 $n-6$ 3 $n-6$ 4 $n-6$ 5 $n-6$ 6 $n-6$ 7 $n-6$ 8 $n-6$ 8 $n-6$ 9 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 2 $n-6$ 1 $n-6$ 2 $n-6$ 2 $n-6$ 2 $n-6$ 3 $n-6$ 4 $n-6$ 7 $n-6$ 8 $n-6$ 9 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 2 $n-6$ 2 $n-6$ 2 $n-6$ 2 $n-6$ 3 $n-6$ 4 $n-6$ 5 $n-6$ 6 $n-6$ 7 $n-6$ 7 $n-6$ 8 $n-6$ 8 $n-6$ 9 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 1 $n-6$ 2 $n-6$ 2 $n-6$ 2 $n-6$ 2 $n-6$ 2 $n-6$ 2 $n-6$ 3 $n-6$ 4 $n-6$ 4 $n-6$ 5 $n-6$ 7 $n-6$ 8 $n-6$ 8 $n-6$ 8 $n-6$ 8 $n-6$ 8 $n-6$ 9 $n-6$ 9 $n-6$ 9 $n-6$ 9 $n-6$ 9 $n-6$ 9 $n-6$ 1 n	Step	Size	true
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6	n	1
	(N -2	1
	2	N-4	
$1 = n - 2K$ $T(n) = 1 + 1 + 1$ $= \sum_{i=0}^{\infty} 1 = K+1$		n_6	1
$ = N - 2K$ $ = N - 2K$ $= \sum_{i=0}^{\infty} 1 - K + i$	3		1
$ = N - 2K$ $ = N - 2K$ $= \sum_{i=0}^{\infty} 1 - K + i$			(
$ N-1 =2 K$ $=\sum_{i=0}^{K} i-i K+1$	K	1 = n - 2K	1
$ N-1 =2 K$ $=\sum_{i=0}^{K} i-i K+1$			T(n) = 1+1+1+)
		n-1 -21<	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
$=\frac{n-1}{2}+1$		(n-1 - K)	
		2	$\geq \frac{N-1}{2} + 1$
$=\Theta(n)$			$=\Theta(n)$

Step

Size

4 nec

Step	Size	<u>tree</u>
0	n	logn
١	w -/	107(v-1)
2	n-2	109/2-3)
K	(- K K Z N - K K Z N - K K Z N - K K Z N - K K Z N - K N - K Z N - K	$\frac{\partial (1)}{(n)} = \frac{\text{Step } 0}{(\log n + \log (n-1))} + \frac{\text{Step } k}{(\log n)} = \frac{\sum_{i \ge 1} \log_i i}{(\log n)} = \frac{\partial (\log n)}{(\log n)}$