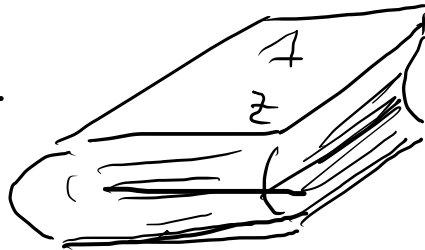


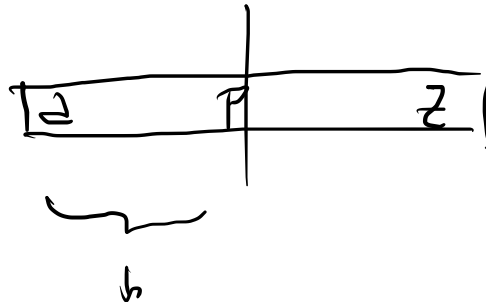
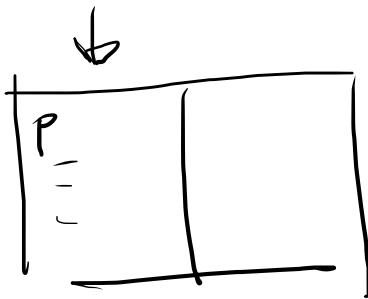
Ricerca binaria

hotel



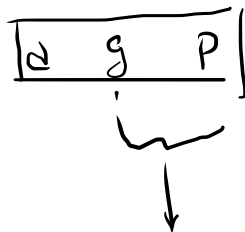
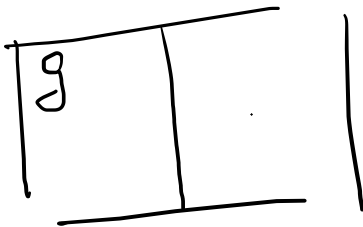
← a - - - z

[1, 10, 20, 25, 99]



1000000

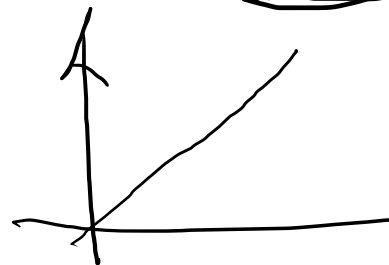
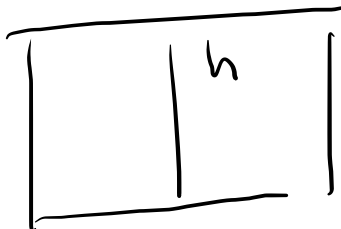
999999

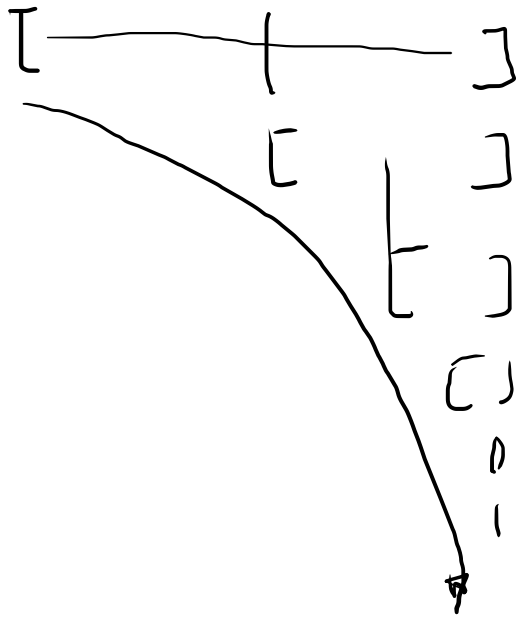


[0, 1 ...]

1000000]

$O(h)$





$$\lceil \log_2 \rceil$$

1s.

$$\left[\dots \frac{1000 \cdot 1000 \dots}{5} \dots \right]$$

$$O(\log_2 n) \rightsquigarrow \sim 26 \text{ (19)} \quad ||$$

$$\underline{19} \rightsquigarrow \underline{195}$$

l $\begin{matrix} 0 & 1 & 2 \\ [1, 5, 10 \end{matrix}$ $\begin{matrix} 3 & 4 & 5 \\ [21, 30, 50] \end{matrix}$
 \uparrow
 $inf = 0$
 \uparrow
 $sup = 5$

src = 30

$$mid = (inf + sup) / 2 = \frac{0 + 5}{2} = 2,5 = \underline{2}$$

$l[2]$ = 10 < src

$[1, 5, 10, 21, 30, 50]$ $mid = \frac{5+3}{2} = 4$
 \uparrow $inf. = 3$ | \uparrow $sup = 5$

$l[4]$ = 30 \uparrow

