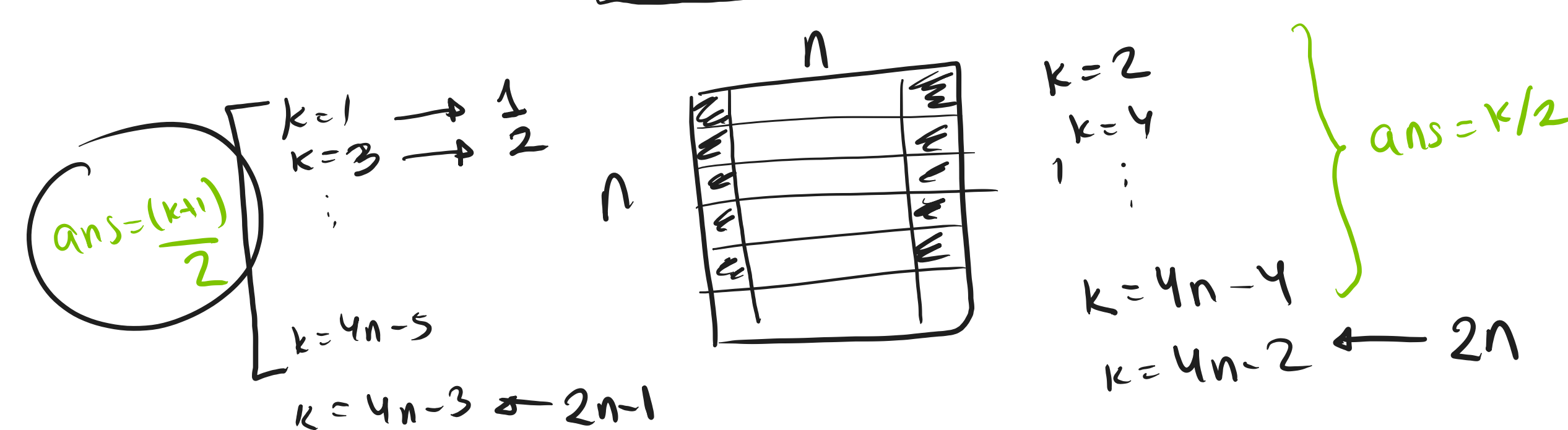
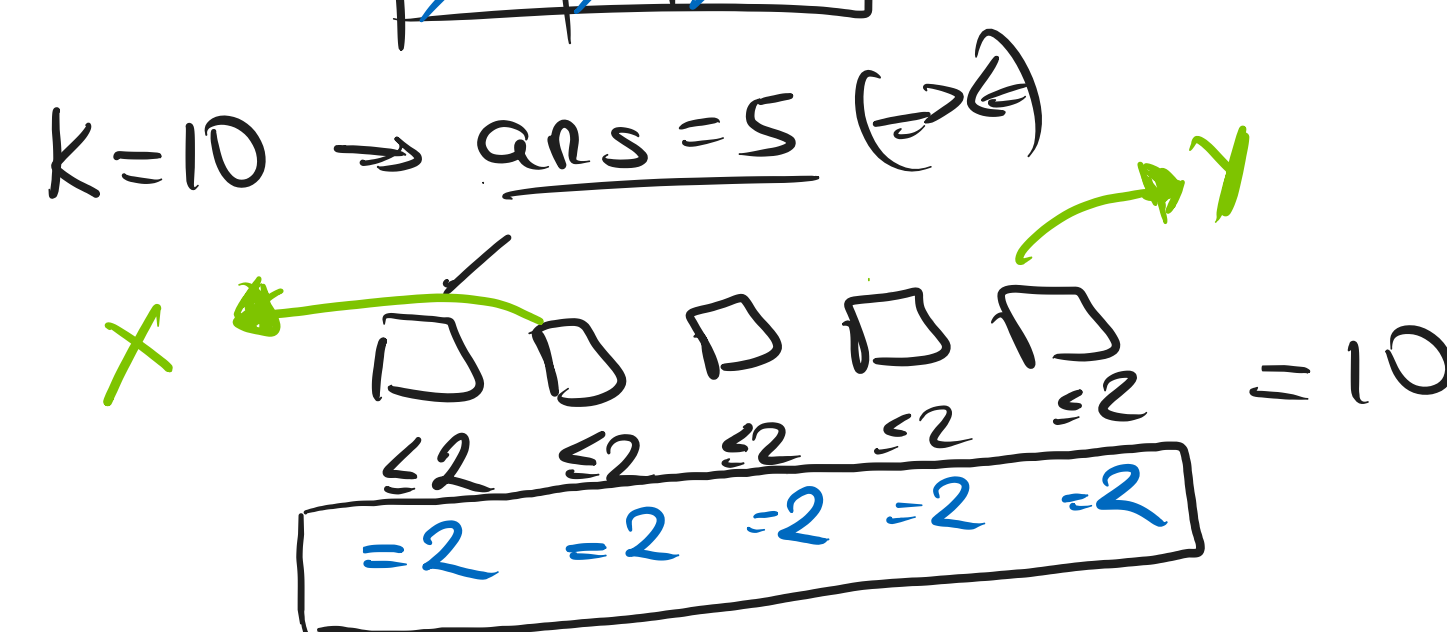
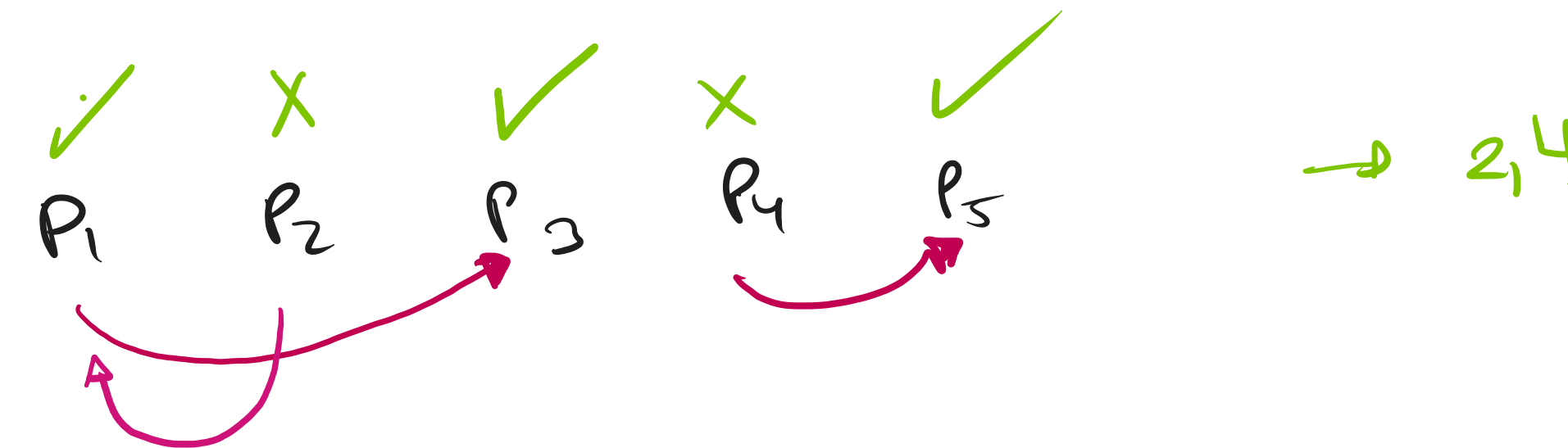


Obs: Por cada casilla coloreada
agrego como mucho 2 casillas



$k=3 \rightarrow \frac{3+1}{2} = 2$
 $k=4 \rightarrow \frac{4+1}{2} = 2.5$



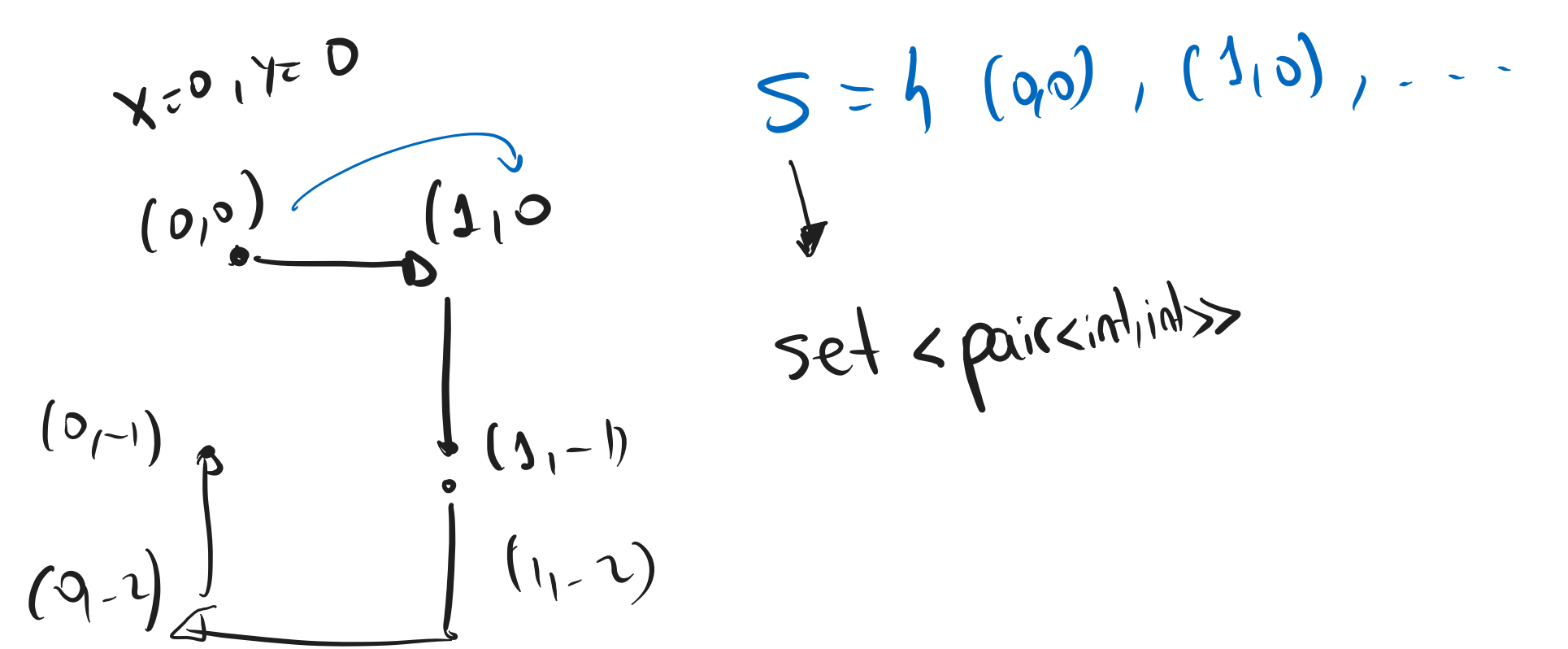
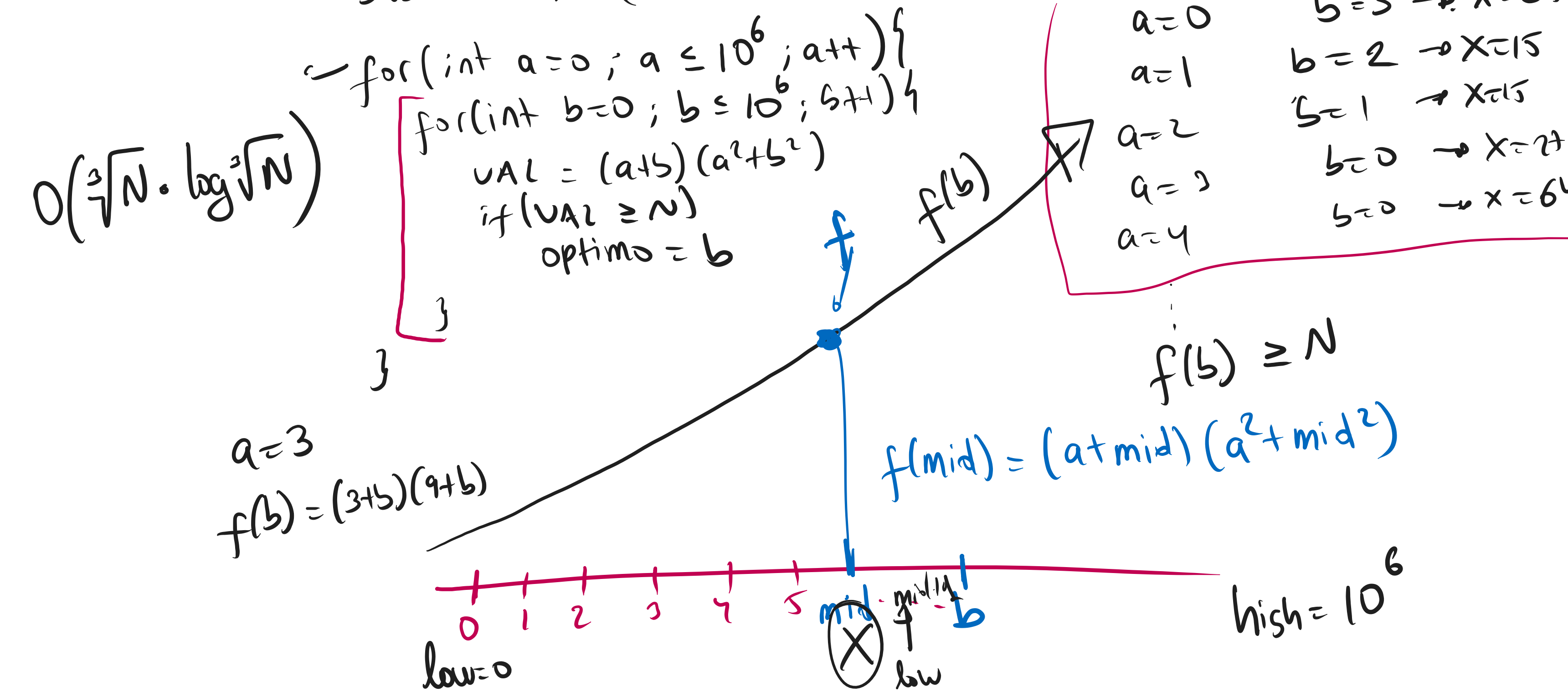
Vector <bool> called (n, false)

Dado N tenemos que hallar X:

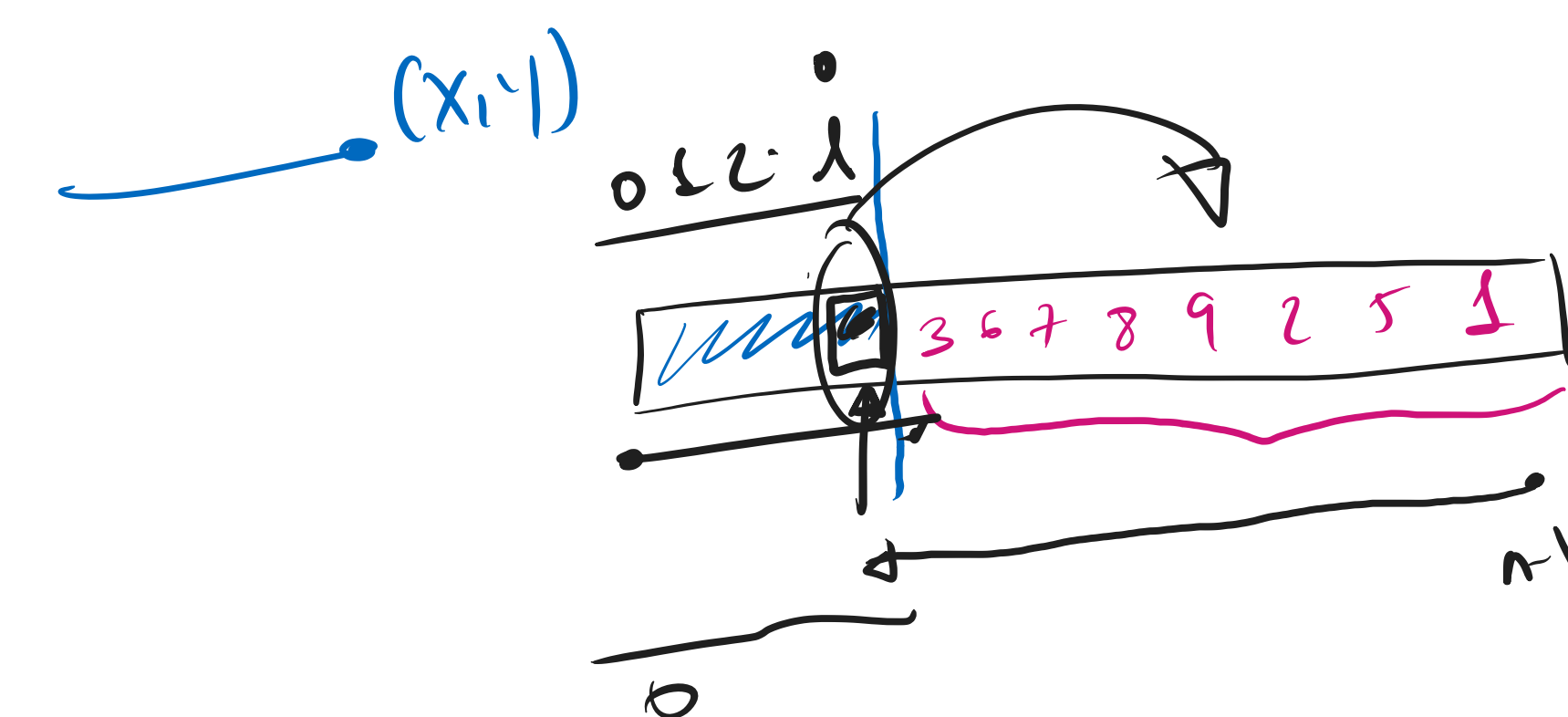
- $X \geq N$
- $a, b \in \mathbb{Z}_0 / X = (a+b)(a^2+b^2)$

Ideas/Observaciones:

Buscar (a,b) / $(a+b)(a^2+b^2) \geq N$



$S = \{(0,0), (1,0), \dots\}$
 \downarrow
 $set \langle pairs \langle int, int \rangle \rangle$



\checkmark Complejidad: $F_n: O(2^N)$ recursividad
 $\hookrightarrow O(N)$ DP

$N \leq 500$ $O(N^3)$ AC: $O(\log N)$ Matrix-Exp
 $N \leq 5000$ $O(N^2)$

DP: $O(N^3)$
 DP: $O(N^2)$
 \checkmark Simplicidad

