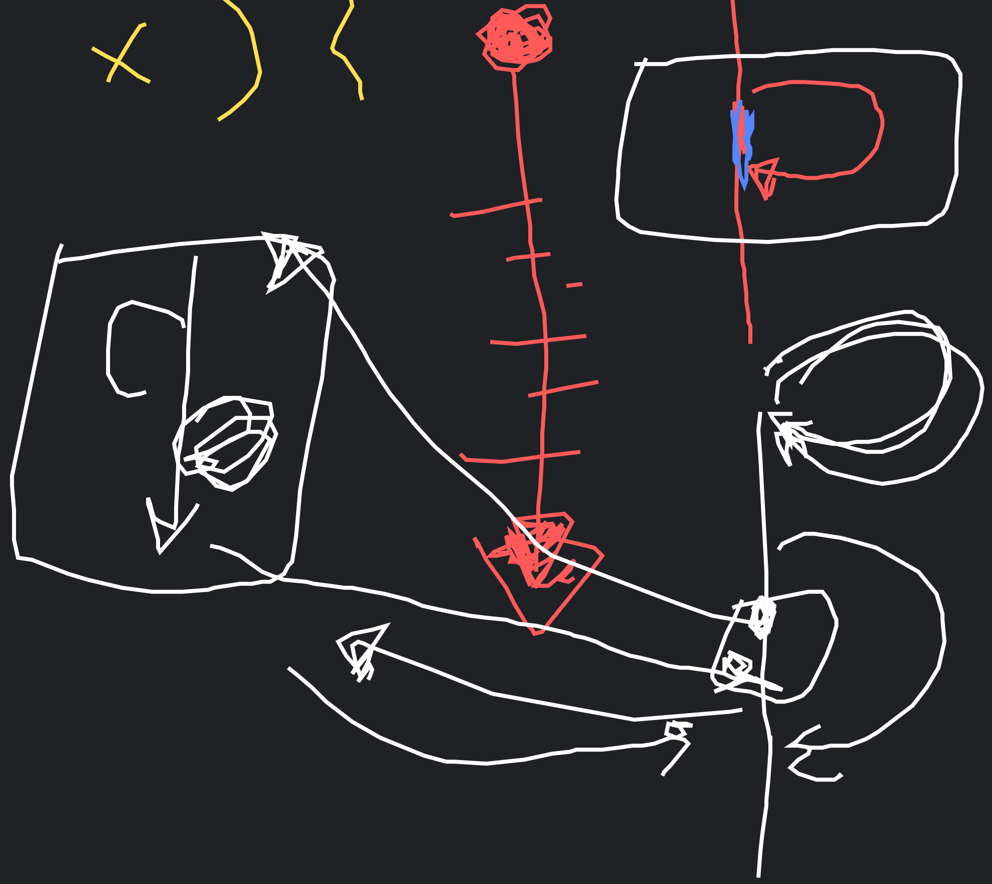
Recursion

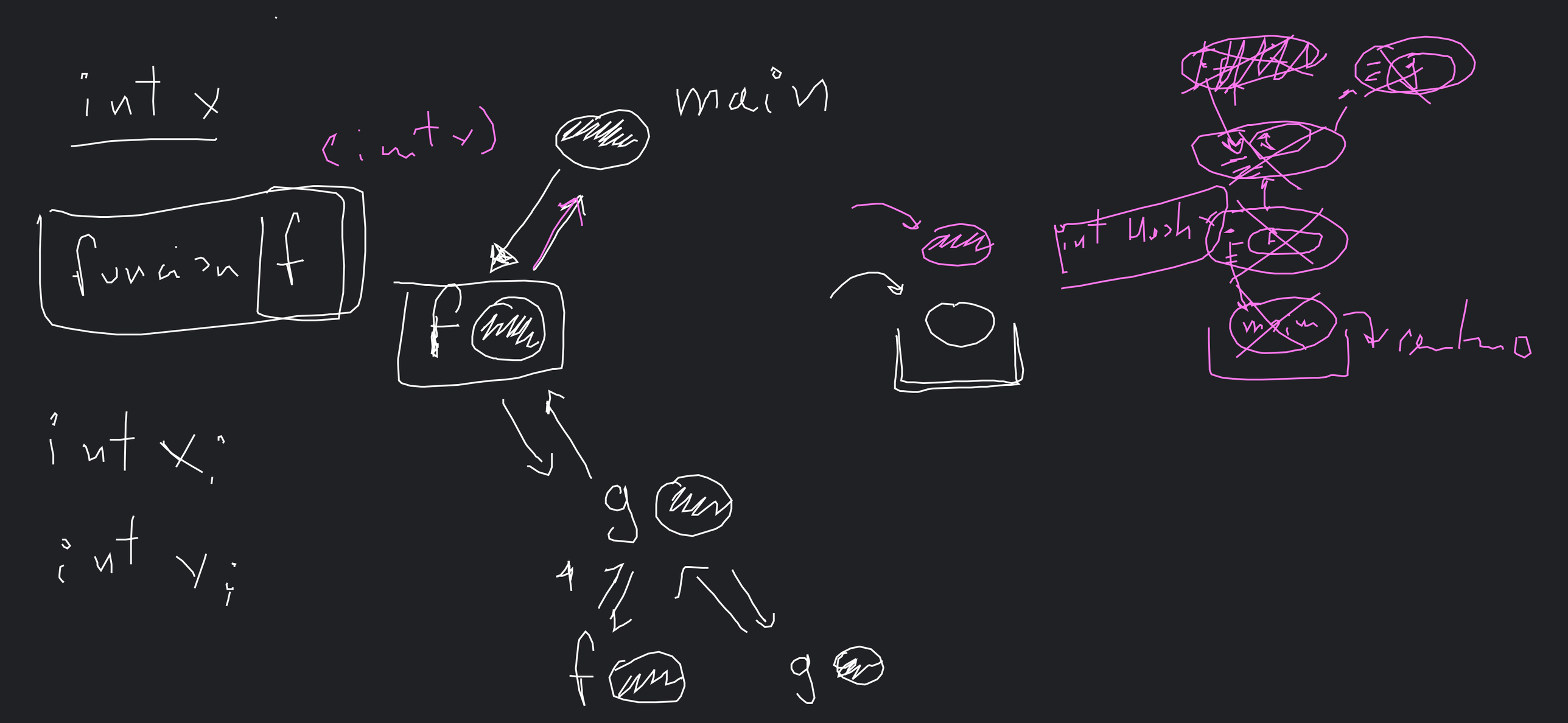
```
{ [ ]    for(i= ; i> )
           i=0
}

int f(int x){
    ////

}

int main( __, __ ){
    return;
}
```




int x
(int x)
main
function f
f
int x;
int y;
g
f
g
int Hash
main

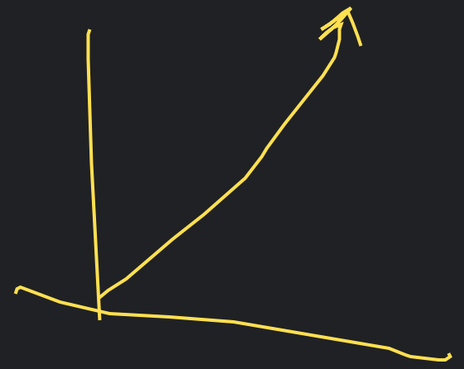
Recursion (Explosion memory)

$$f(n) = f(n-1) + f(n-2)$$

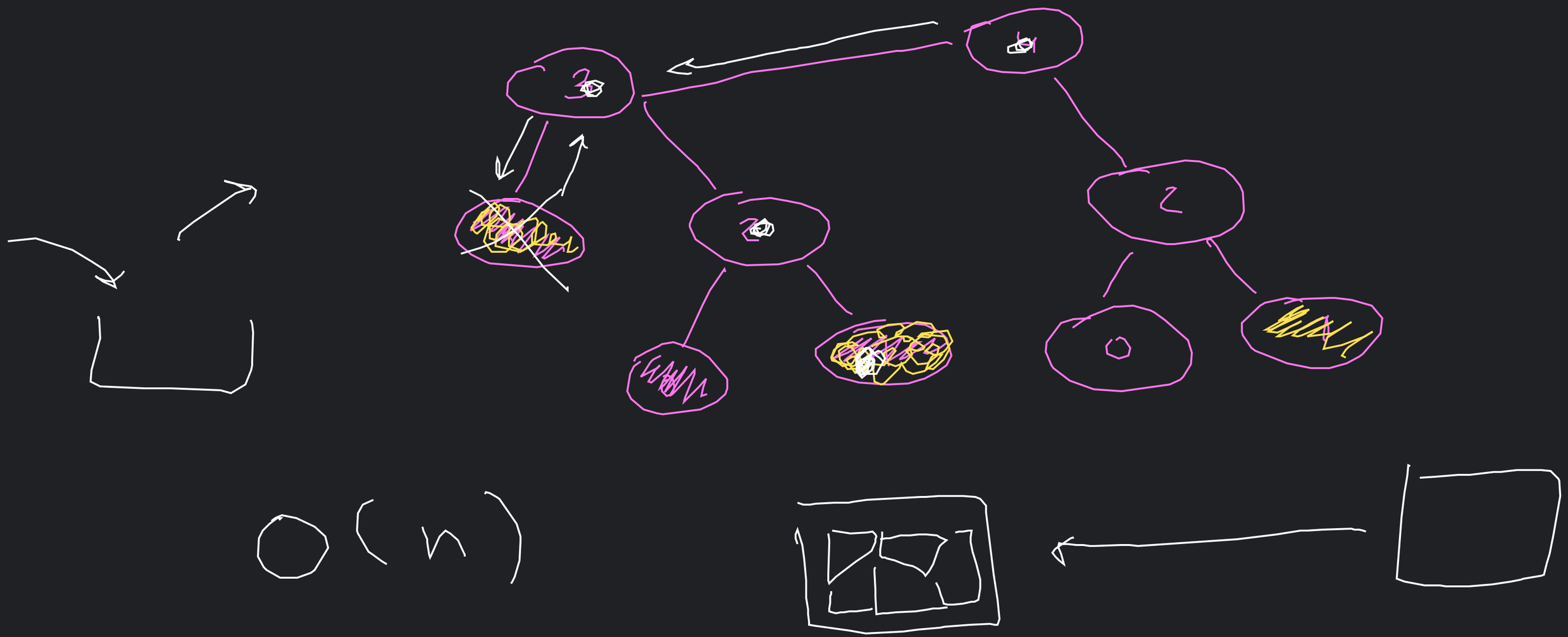
$$f(1) = 1$$

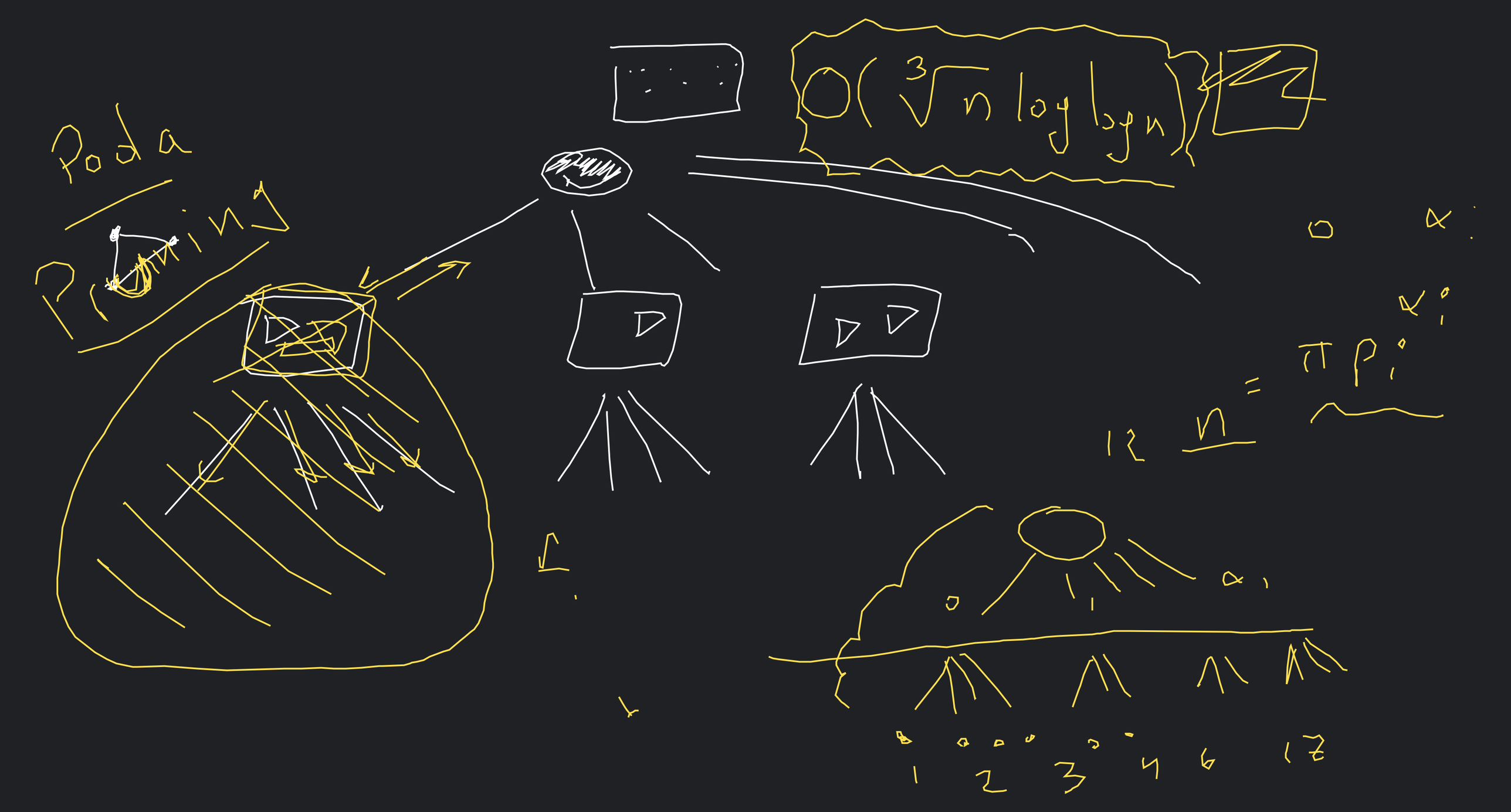
$$f(2) = 1$$

$x = \Phi x$



int f(int x


O(n)


Poda
Pruning
$O(\sqrt[3]{n \log \log n})$
$n = \pi p_i$
1 2 3 4 6 17

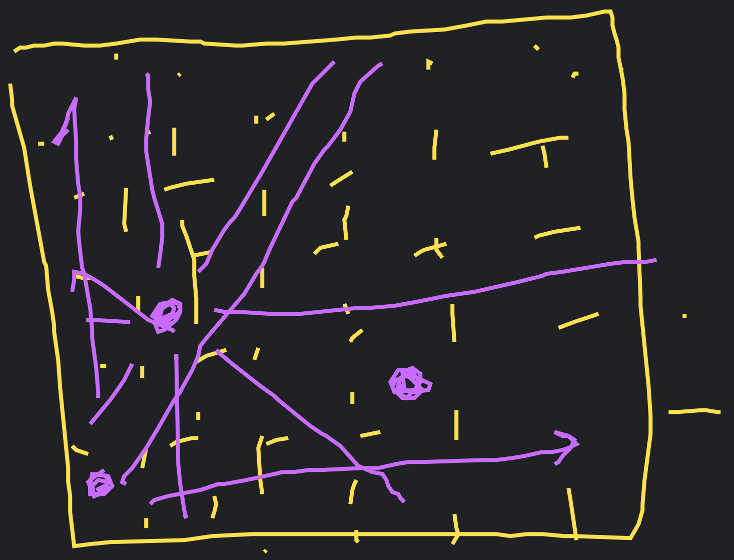
Problema de las 8 reinas.

8^8

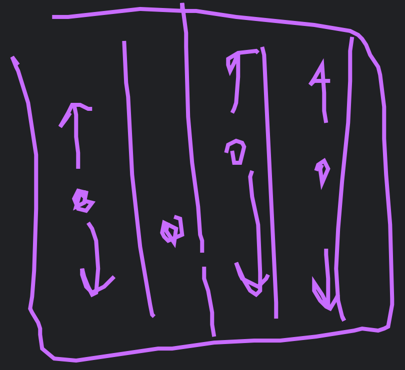
8×10^6

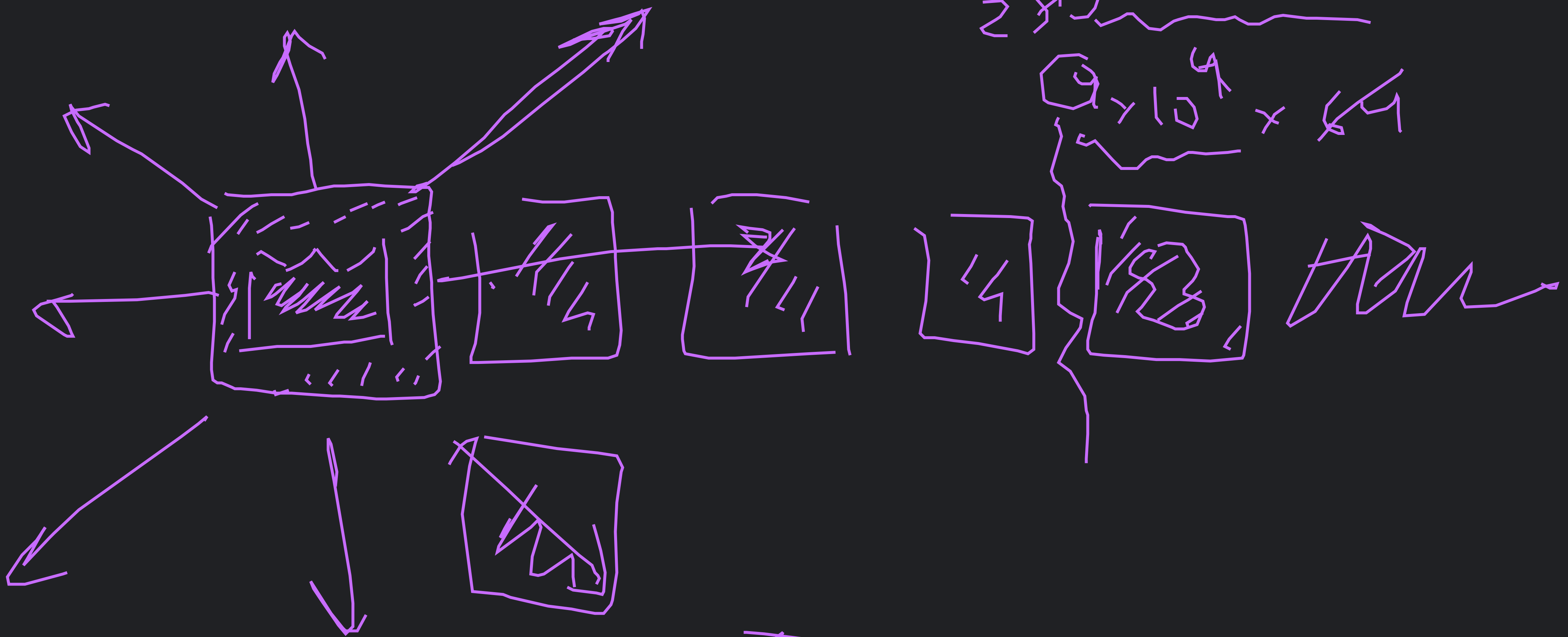
$8!\ 8^2$

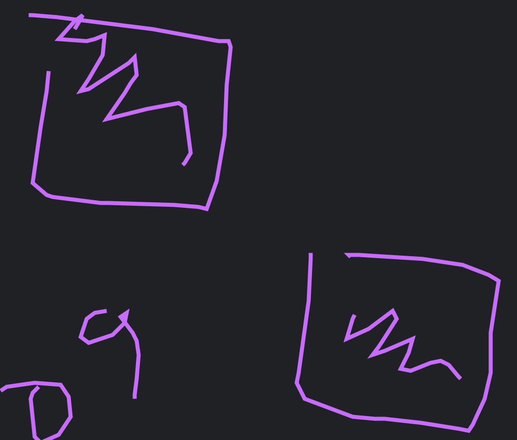
$8 \times 10^4 \times 64$



8 × 8

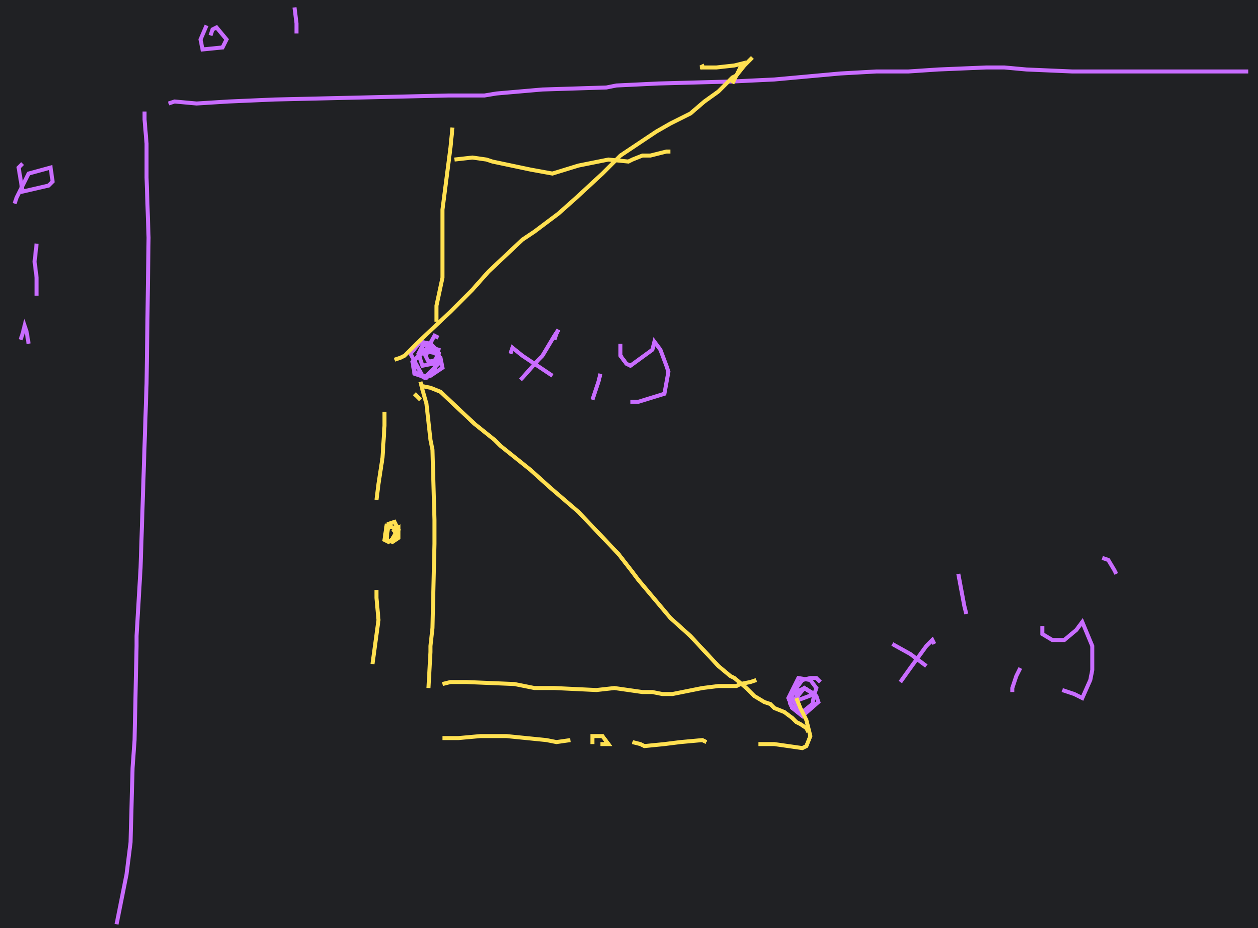






$\binom{64}{8} \rightarrow 8^8\ (8 \times 8)$

$O(8^{10}) \rightarrow 2^{30} \approx 10^9$



abs(

$$|x - x'| == |y - y'|$$