

if $(A[i] + A[j] > \text{target})$ if $(A[i] + A[j] < \text{target})$

$(0, n-1) > \text{target}$

~~$(1, n-1), (2, n-2), (3, n-3), \dots$~~

$n-1$ $> \text{target}$

Container water.

height [n]

height [i]

$\begin{pmatrix} a & u \\ i & j \end{pmatrix}$

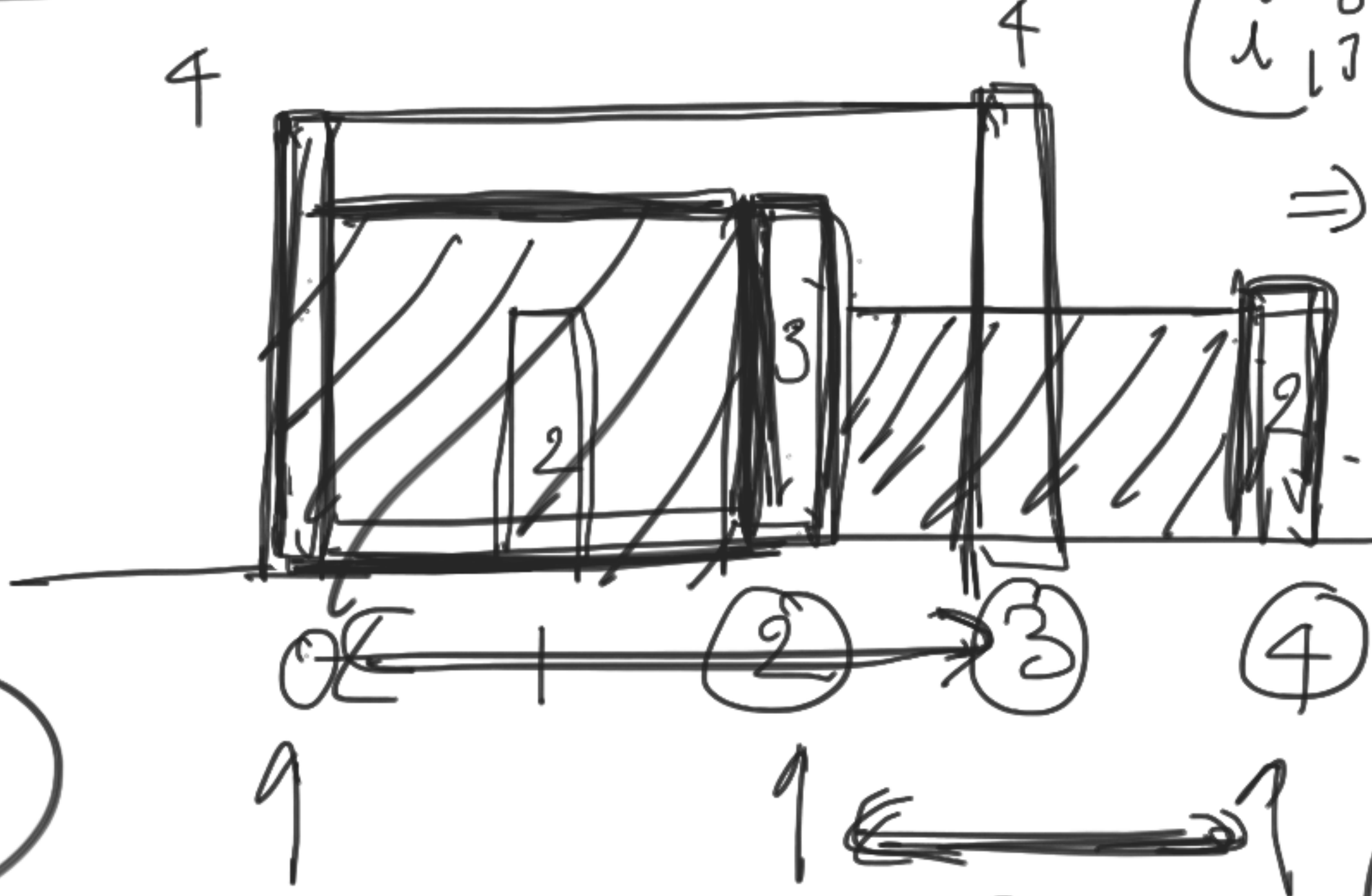
$\Rightarrow n \cdot L_2$

$\frac{n(n-1)}{2}$

$(2) \times 3$
 $= 6$

max water

max area



2×2

one way

height[]



$n/2$

$$\frac{n(n-1)}{2}$$

currArea

$$\text{area}(i, j) =$$

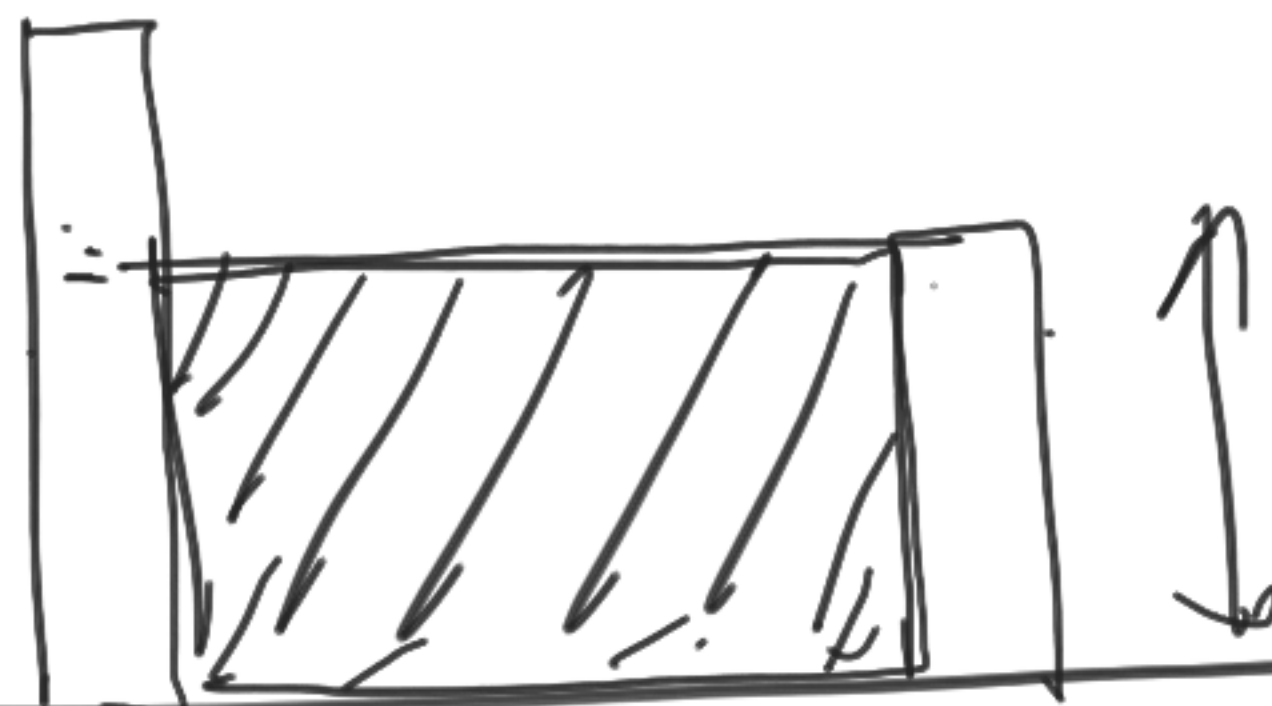
$$(j - i) \times \min(\text{height}[i], \text{height}[j])$$

height[i],

height[j]

max

maxArea



$O(n^2)$

if (maxArea < currArea)

$O(1)$

$O(n)$ time



$(0, n-1)$

$0, n-2$
 $0, n-3$
 1

$a = 0$

$area(i, j)$

$\Rightarrow \underline{\max Area.}$

\Rightarrow a
 $j-1$

$\cdot \min(h[i], h[j])$

$h[i]$

maxArea = 0

$i = 0, j = n - 1$

while ($i < j$)

{
 currArea = $(j - i) \times \min(h[i], h[j])$

update maxArea

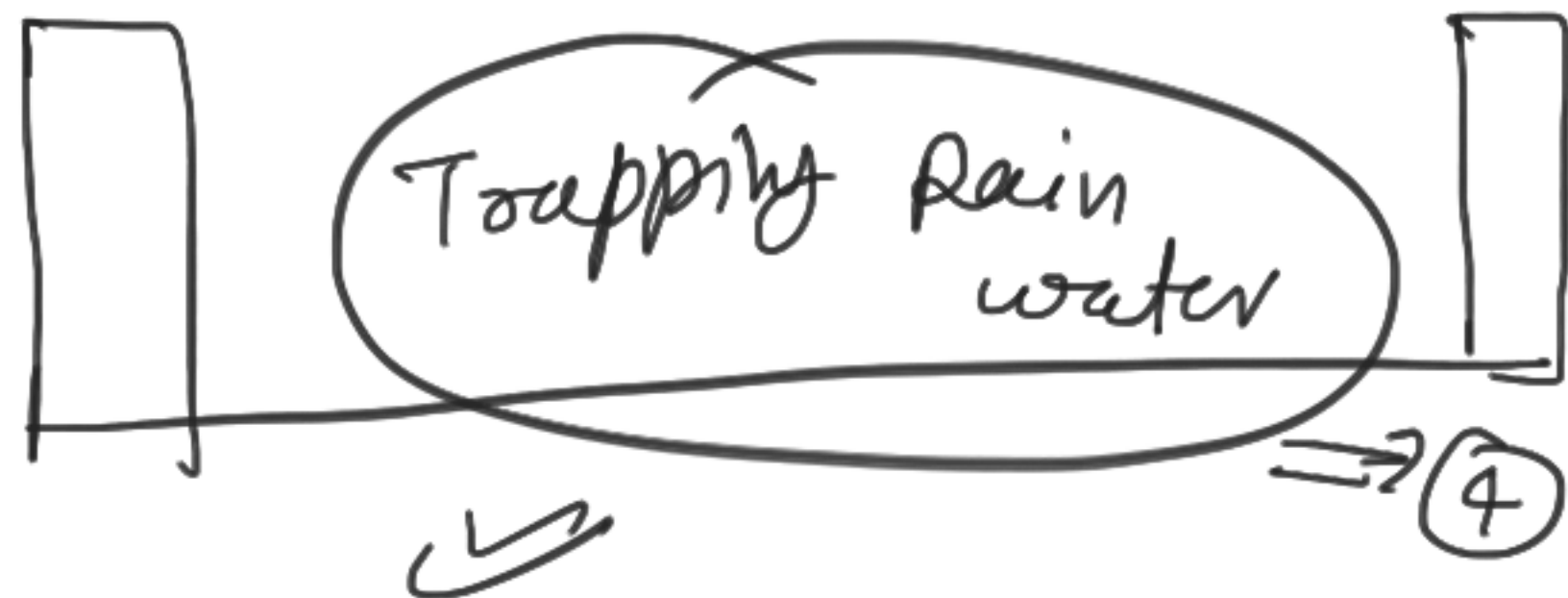
 if ($h[i] \leq h[j]$)

$i = i + 1$

}

 else $j = j - 1$

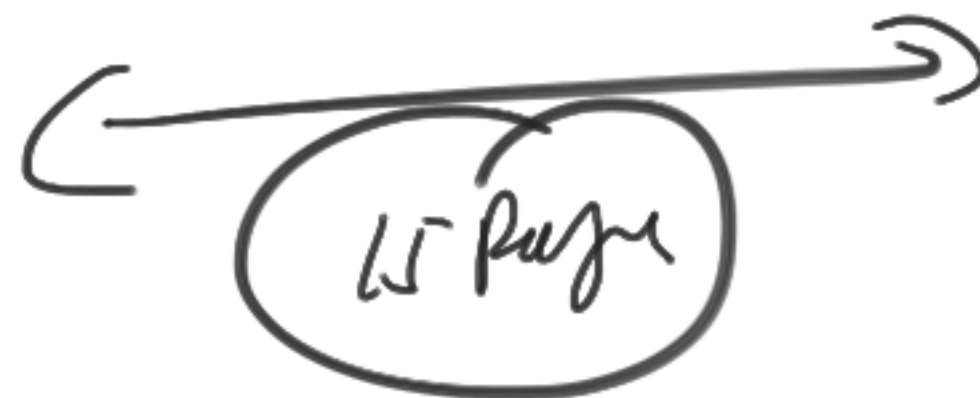
 → return maxArea !

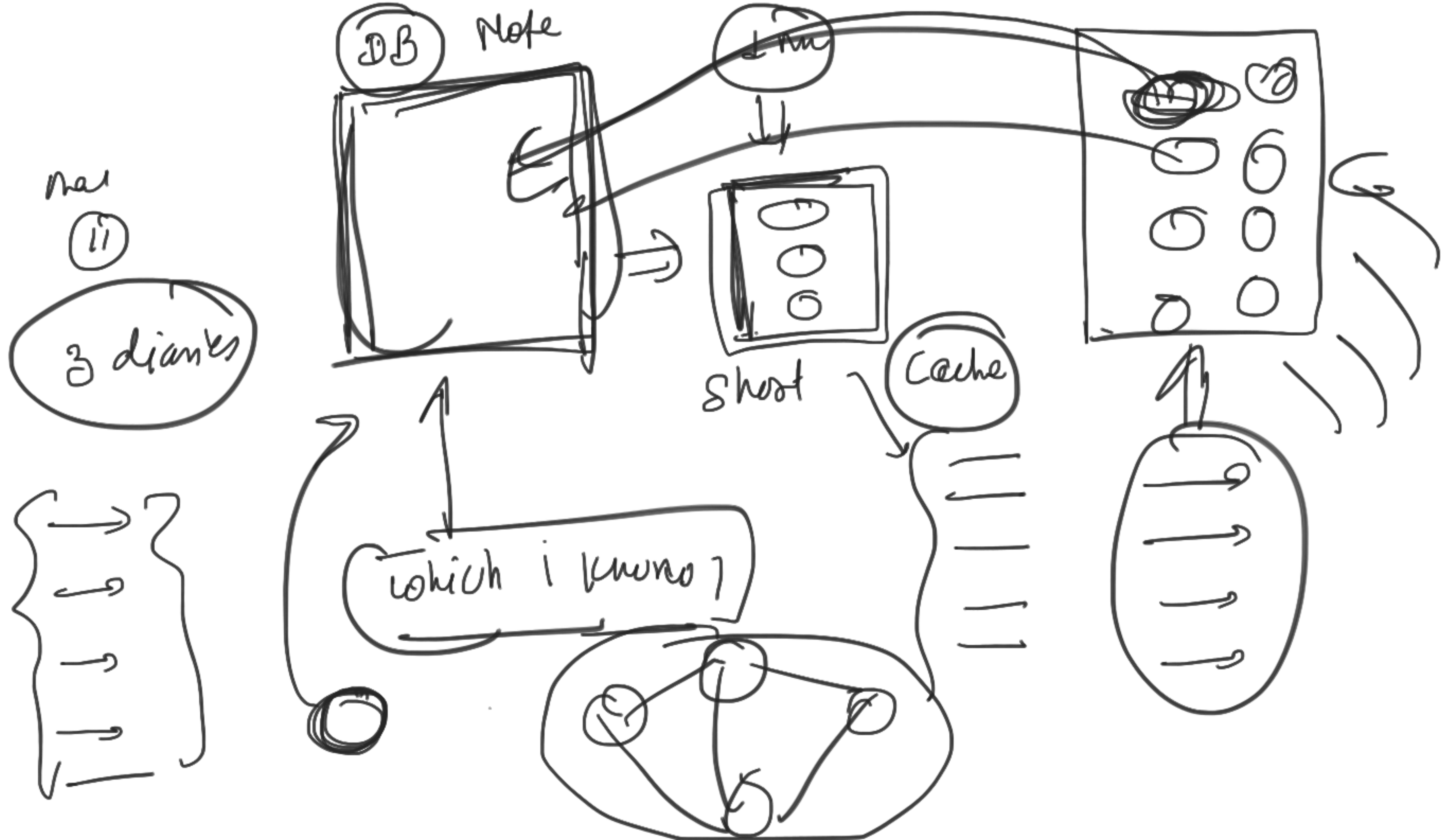


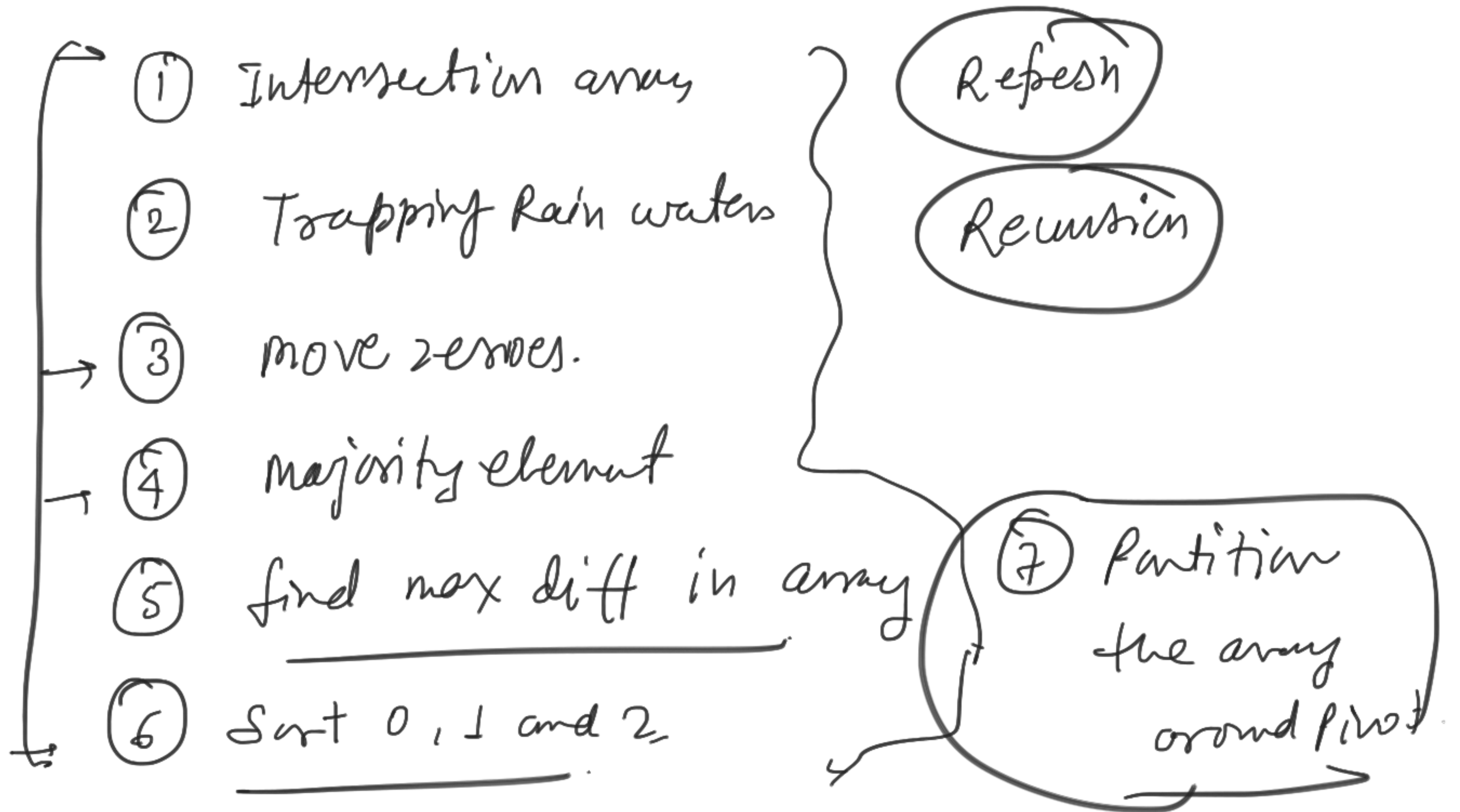
$O(n)$

99%

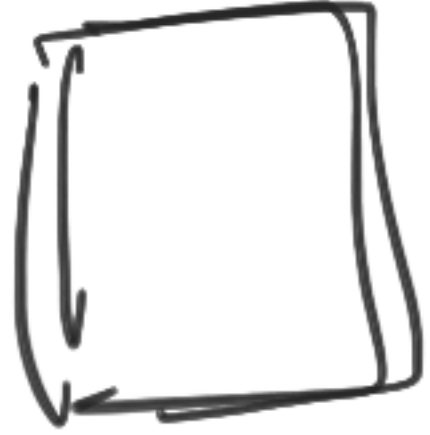
Recursion







How to read



class



OOPS

design

data



Align



Coding style

code

Clean code

