


`arr.sort()`: [10, 20, 100]

'10', '20', '100'

[10]
[20]
[100]

10 100 20

Ans. So $(a, b) \Rightarrow \underline{a-b}$

$\begin{bmatrix} \underline{10}, \underline{20}, \underline{100} \\ a \quad b \end{bmatrix}$

$\underline{20}, \underline{100}$

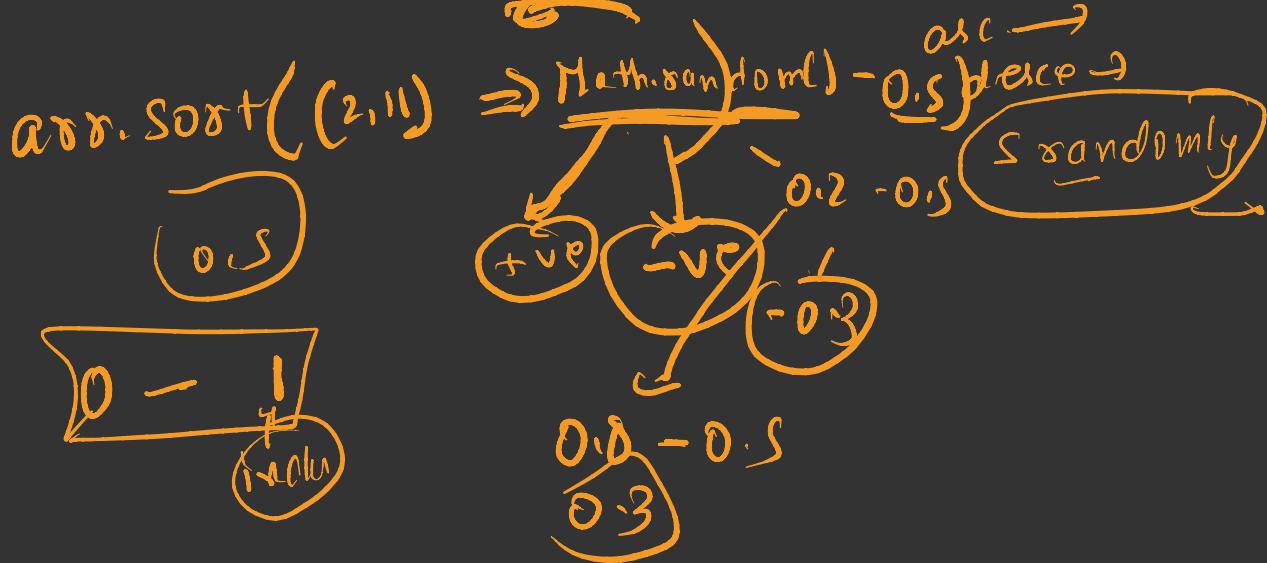
$\underline{10-20}$

$\underline{20-100}$
 $\underline{-80}$

$\begin{bmatrix} 10 & 20 & 100 \end{bmatrix}$

return
vector
+ve
+ve
0
-ve
+ve
 $\frac{b-a}{a-b}$

$([2, 3, 11, 16, 5, 10]) \Rightarrow$ randomly arr
-ve $\xrightarrow{\text{Sort}}$ Sort \Rightarrow randomly.



0-9 $10 - \textcircled{3} \geq \text{random}(\text{fisher}) \{ O(n) \rightarrow \text{exactly.}$

0	1	2	3	4	5	6	7	8	9
2, 4, 19, 5, 14, 3, 18	6	7	8	9	11				

`Math.floor(Math.random * 8)` ^{length}

11 16

(5)

④ $\left[\begin{array}{ccccccccc} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \\ 10, 40, 30, 75, 70, 15, 90, 20, 80, 50 \end{array} \right]$

$$\frac{3-0}{0-9} = 10$$

Most Optimp

$$0-1 = 8$$

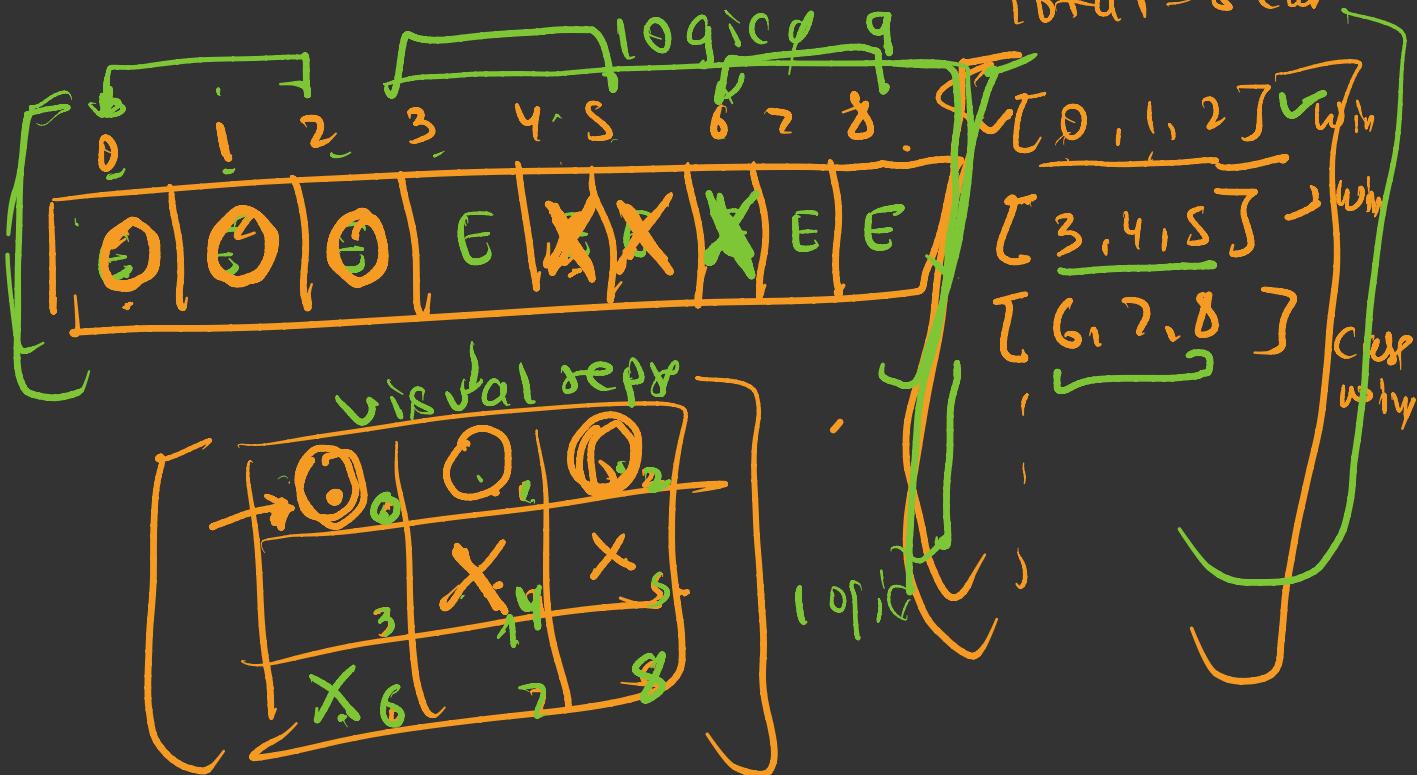
`Math.floor(Math.random() * 10)`

8
OC Number of element to be selected

50 80 20

DSA

O(1)



Player 1

→ Rock



Player 2

→ +
Scissors

