- Majority element in Array -

Me en un array es un elemento el cuál su freccencia
$\geq N/2$ (N is the # of elements)

$\{1, 2, 2, 2, 2, 3, 5\}$

$N = 5$ Me = 2

Way of solving it

	Time	Space	
Naive	$O(N^2)$	$O(1)$	facil
Sorting	$O(N \log N)$	$O(1)$	facil
Hash table	$O(N)$	$O(N)$	facil
BST	$O(N \log N)$	$O(N)$	facil
Boyer Moore	$O(N)$	$O(1)$	

* Naive technique → Nested loop, once found → return it
* Sorting → Counting sequenses
* Update freq in dict
* BST ↦ - Insert node in BST
  - if exist Increase its count (count belong to the node)
  - perform an In-order transversal

Boyer-Moore mayority vote algorithm

- Search for candidate
- Check Candidate