

Find element occurring once when all other are present thrice

Given an array of integers **arr[]** of length **N**, every element **appears thrice** except for one which **occurs once**.

Find that element which **occurs once**.

Example 1:

Input:

`N = 4`

`arr[] = {1, 10, 1, 1}`

Output:

`10`

Explanation:

10 occurs once in the array while the other element 1 occurs thrice.

Example 2:

Input:

`N = 10`

`arr[] = {3, 2, 1, 34, 34, 1, 2, 34, 2, 1}`

Output:

`3`

Explanation:

All elements except 3 occurs thrice in the array.

Your Task:

You do not need to take any input or print anything. Your task is to complete the function **singleElement()** which takes an array of integers **arr** and an integer **N** which finds and returns the element **occurring once** in the array.

Constraints:

$1 \leq N \leq 10^5$

$-10^9 \leq A[i] \leq 10^9$

Expected Time Complexity: $O(N)$.

Expected Auxiliary Space: $O(1)$.