



Daily LeetCode Challenge

14

Easy

414. Third Maximum Number

Tags: #array, #sort

414. Third Maximum Number

Input:

A =

2	2	3	1
---	---	---	---

Output:

Return 1;

414. Third Maximum Number

Solution

$A =$

2	2	3	1
---	---	---	---

1. Xây dựng một mảng **maxArr** tăng dần luôn lưu 3 phần tử lớn nhất.
→ Sử dụng kỹ thuật sắp xếp chèn (insertion sort).
2. Trả về kết quả chỉ cần xét mảng **maxArr**.

maxArr

3	2	1
---	---	---

414. Third Maximum Number

Solution

A =

2	2	3	1
---	---	---	---

MIN	MIN	MIN
-----	-----	-----

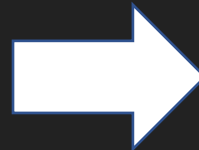
414. Third Maximum Number

Solution

$A =$

^{i} 2	2	3	1
--------------------------------	---	---	---

MIN	MIN	MIN
-----	-----	-----



2	MIN	MIN
---	-----	-----

414. Third Maximum Number

Solution

$A =$

2	^{i} 2	3	1
---	-----------------------------	---	---

2	MIN	MIN
---	-----	-----

414. Third Maximum Number

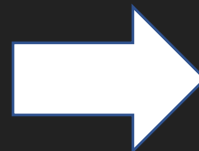
Solution

$A =$

2	2	3	1
---	---	---	---

The third element (3) is highlighted with a green border and labeled with a green i above it.

2	MIN	MIN
---	-----	-----



3	2	MIN
---	---	-----

414. Third Maximum Number

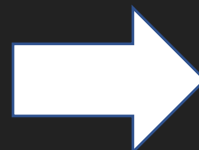
Solution

$A =$

2	2	3	1
---	---	---	---

The array A is shown with indices. The element 1 at index 3 is highlighted with a green border and labeled with a green i .

2	3	MIN
---	---	-----



3	2	1
---	---	---

414. Third Maximum Number

Solution

A =

2	2	3	1
---	---	---	---

maxArr:

3	2	1
---	---	---

```
if(maxArr[2] != MIN_VALUE)
    return maxArr[2];
return maxArr[0];
```

414. Third Maximum Number

Code:

Test:

Submit:



Daily LeetCode Challenge



Source code và các link liên quan
được để dưới phần miêu tả