496. Next Greater Element I

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Total Accepted: **3324** Total Submissions: **5532** Difficulty: **Easy** Contributors: **love_FDU_llp** (/love_fdu_llp/

You are given two arrays **(without duplicates)** `nums1` and `nums2` where `nums1` 's elements are subs

Find all the next greater numbers for `nums1` 's elements in the corresponding places of `nums2` .

The Next Greater Number of a number **x** in `nums1` is the first greater number to its right in `nums2` . If it exist, output -1 for this number.

Example 1:

```
Input: nums1 = [4,1,2], nums2 = [1,3,4,2].
Output: [-1,3,-1]
Explanation:
    For number 4 in the first array, you cannot find the next greater number f
    For number 1 in the first array, the next greater number for it in the sec
    For number 2 in the first array, there is no next greater number for it in
```

Example 2:

```
Input: nums1 = [2,4], nums2 = [1,2,3,4].
Output: [3,-1]
Explanation:
    For number 2 in the first array, the next greater number for it in the sec
    For number 4 in the first array, there is no next greater number for it in
```

Note:

1. All elements in `nums1` and `nums2` are unique.
2. The length of both `nums1` and `nums2` would not exceed 1000.

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