5800. Build Array from Permutation

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Given a **zero-based permutation** `nums` (**0-indexed**), build an array `ans` of the **same length** where `ans[i] = nums[nums[i]]` for each `0 <= i < nums.length` and return it.

A **zero-based permutation** `nums` is an array of **distinct** integers from `0` to `nums.length − 1` (**inclusive**).

User Accepted:	64
User Tried:	73
Total Accepted:	64
Total Submissions:	72
Difficulty:	Easy

Example 1:

```
Input: nums = [0,2,1,5,3,4]
Output: [0,1,2,4,5,3]
Explanation: The array ans is built as follows:
ans = [nums[nums[0]], nums[nums[1]], nums[nums[2]], nums[nums[3]], nums[nums[4]]
    = [nums[0], nums[2], nums[1], nums[5], nums[3], nums[4]]
    = [0,1,2,4,5,3]
```

Example 2:

```
Input: nums = [5,0,1,2,3,4]
Output: [4,5,0,1,2,3]
Explanation: The array ans is built as follows:
ans = [nums[nums[0]], nums[nums[1]], nums[nums[2]], nums[nums[3]], nums[nums[4]], nums[nums[5]]]
    = [nums[5], nums[0], nums[1], nums[2], nums[3], nums[4]]
    = [4,5,0,1,2,3]
```

Constraints:

- `1 <= nums.length <= 1000`
- `0 <= nums[i] < nums.length`
- The elements in `nums` are **distinct**.

JavaScript ▼

```
1  const buildArray = (a) => {
2      let n = a.length;
3      let res = Array(n).fill(-1);
4      for (let i = 0; i < n; i++) res[i] = a[a[i]];
5      return res;
6  };
```

☐ **Custom Testcase**   (Use Example Testcases)

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Submission Result: Accepted (/submissions/detail/517012959/) ❓   (More Details ❯ (/submissions/detail/517012959/))

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