5993. Keep Multiplying Found Values by Two

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You are given an array of integers `nums` . You are also given an integer `original` which is the first number that needs to be searched for in `nums` .

You then do the following steps:

1. If `original` is found in `nums` , **multiply** it by two (i.e., set `original = 2 * original`).
2. Otherwise, **stop** the process.
3. **Repeat** this process with the new number as long as you keep finding the number.

Return *the **final** value of* `original` .

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

```
Input: nums = [5,3,6,1,12], original = 3
Output: 24
Explanation:
- 3 is found in nums. 3 is multiplied by 2 to obtain 6.
- 6 is found in nums. 6 is multiplied by 2 to obtain 12.
- 12 is found in nums. 12 is multiplied by 2 to obtain 24.
- 24 is not found in nums. Thus, 24 is returned.
```
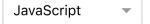
Example 2:

```
Input: nums = [2,7,9], original = 4
Output: 4
Explanation:
- 4 is not found in nums. Thus, 4 is returned.
```

Constraints:

- `1 <= nums.length <= 1000`
- `1 <= nums[i], original <= 1000`

JavaScript ▼

```
1 ▾ const findFinalValue = (a, x) => {
2       let se = new Set(a);
3 ▾     while (se.has(x)) {
4           x *= 2;
5       }
6       return x;
7   };
```

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

                                             ▶ Run   ☁ Submit

Submission Result: Accepted (/submissions/detail/630578284/) ❓

(More Details ❯ (/submissions/detail/630578284/))

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