

946. Validate Stack Sequences

Medium

 Topics

 Companies

Given two integer arrays `pushed` and `popped` each with distinct values, return `true` *if this could have been the result of a sequence of push*

Example 1:

Input: `pushed = [1,2,3,4,5]`, `popped = [4,5,3,2,1]`
Output: `true`
Explanation: We might do the following sequence:
`push(1)`, `push(2)`, `push(3)`, `push(4)`,
`pop()` -> 4,
`push(5)`,
`pop()` -> 5, `pop()` -> 3, `pop()` -> 2, `pop()` -> 1

Example 2:

Input: `pushed = [1,2,3,4,5]`, `popped = [4,3,5,1,2]`
Output: `false`
Explanation: 1 cannot be popped before 2.

Constraints:

- `1 <= pushed.length <= 1000`
- `0 <= pushed[i] <= 1000`
- All the elements of `pushed` are **unique**.
- `popped.length == pushed.length`
- `popped` is a permutation of `pushed`.

Seen this question in a real interview before? 1/4

Yes

No

Accepted 295.4K

Submissions 425.5K

Acceptance Rate 69.4%

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 Discussion (34)