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2511. Maximum Enemy Forts That Can Be Captured

Easy 53 66 ☆ ↻

Companies

You are given a **0-indexed** integer array `forts` of length `n` representing the positions of several forts. `forts[i]` can be `-1`, `0`, or `1` where:

- `-1` represents there is **no fort** at the `ith` position.
- `0` indicates there is an **enemy** fort at the `ith` position.
- `1` indicates the fort at the `ith` the position is under your command.

Now you have decided to move your army from one of your forts at position `i` to an empty position `j` such that:

- `0 <= i, j <= n - 1`
- The army travels over enemy forts **only**. Formally, for all `k` where `min(i,j) < k < max(i,j)`, `forts[k] == 0`.

While moving the army, all the enemy forts that come in the way are **captured**.

Return the **maximum** number of enemy forts that can be captured. In case it is **impossible** to move your army, or you do not have any fort under your command, return `0`.

Example 1:

Input: `forts = [1,0,0,-1,0,0,0,0,1]`
Output: `4`
Explanation:

- Moving the army from position `0` to position `3` captures `2` enemy forts, at `1` and `2`.
- Moving the army from position `8` to position `3` captures `4` enemy forts.

Since `4` is the maximum number of enemy forts that can be captured, we return `4`.

Example 2:

Input: `forts = [0,0,1,-1]`
Output: `0`
Explanation: Since no enemy fort can be captured, `0` is returned.

Constraints:

- `1 <= forts.length <= 1000`
- `-1 <= forts[i] <= 1`

Accepted **9.1K** Submissions **27.5K** Acceptance Rate **33.0%**

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

Hint ⌵

```
1 class Solution {
2     public int captureForts(int[] forts) {
3
4     }
5 }
```

Console ⌵

Run

Submit