

# 942. DI String Match

Easy Topics Companies

A permutation `perm` of `n + 1` integers of all the integers in the range `[0, n]` can be represented as a string `s` of length `n` where:

- `s[i] == 'I'` if `perm[i] < perm[i + 1]`, and
- `s[i] == 'D'` if `perm[i] > perm[i + 1]`.

Given a string `s`, reconstruct the permutation `perm` and return it. If there are multiple valid permutations `perm`, return **any of them**.

## Example 1:

Input: `s = "IDID"`  
Output: `[0,4,1,3,2]`

## Example 2:

Input: `s = "III"`  
Output: `[0,1,2,3]`

## Example 3:

Input: `s = "DDI"`  
Output: `[3,2,0,1]`

## Constraints:

- `1 <= s.length <= 105`
- `s[i]` is either `'I'` or `'D'`.

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

Yes No

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