

This problem is not simple as it seems can come up with the solution by this example.

here there is a dip now there are 2 options either we could replace 4 with could replace a OK we 2 2 3 ] Still not a non decreasing arrays

```
what if array is

(3 4 2 5)

Replace 2 with 4

(3 4 4 5)

(1 4 2 3)

Replace 4 with 2
```

So it any one of the above two is possible at a index? then its fine to modify one element at that index so we can check on next indices. If both are not possible at a index then if means even after modifying one element, still it cannot become a non decreasing array.

[(n): 0 (n) S(n):0 (1)