## 1578. Minimum Time to Make Rope Colorful



Example 1:

Medium











Companies

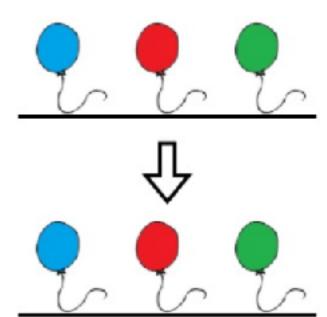
colors where colors [i] is the color of the i<sup>th</sup> balloon.

Alice wants the rope to be **colorful**. She does not want **two consecutive** balloons to be of the same color, so she asks Bob for help. Bob can remove some balloons from the rope to make it **colorful**. You are given a **0-indexed** integer array needed lime where needed lime [i] is the time (in seconds) that Bob needs to remove the [i<sup>th</sup>] balloon from the rope.

Alice has n balloons arranged on a rope. You are given a **0-indexed** string

Return the **minimum time** Bob needs to make the rope **colorful**.

Example 2:



Input: colors = "abc", neededTime = [1,2,3]

Output: 0

Explanation: The rope is already colorful. Bob does not need to remove any balloons from the rope.

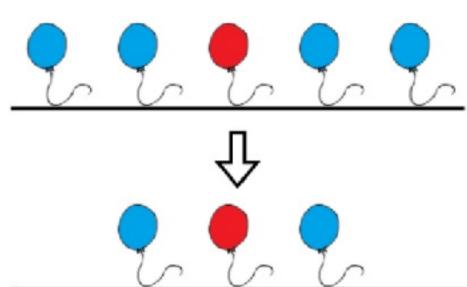
Input: colors = "abaac", neededTime = [1,2,3,4,5] Output: 3

Explanation: In the above image, 'a' is blue, 'b' is red, and 'c' is green.

Bob can remove the blue balloon at index 2. This takes

There are no longer two consecutive balloons of the same color. Total time = 3.

Example 3:



Input: colors = "aabaa", neededTime = [1,2,3,4,1]

Output: 2

**Explanation:** Bob will remove the ballons at indices  $\theta$  and 4.

Each ballon takes 1 second to remove.

There are no longer two consecutive balloons of the same

color. Total time -1+1-2.

contains only lowercase

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STO

length

eededTime

length

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Take the Bollon which has maximum time

Because we need minimun time to make array colorfull

remove if bollon are same

4 x x b x b b b b 5 5 5 4 8 1

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