(/problems

Medium

ref=nb_npl)

Difficulty:

6035. Number of Ways to Select Buildings

My Submissions (/contest/biweekly-contest-75/problems/number-of-ways-to-select-buildings/submissions/) Back to Contest (/contest/biweekly-contest-75/) You are given a **0-indexed** binary string s which represents the types of buildings along a street where: User Accepted: 0 • s[i] = '0' denotes that the ith building is an office and User Tried: 0 • s[i] = '1' denotes that the i^{th} building is a restaurant. As a city official, you would like to select 3 buildings for random inspection. However, to ensure variety, no two consecutive Total Accepted: 0 buildings out of the **selected** buildings can be of the same type. **Total Submissions:** 0 • For example, given $s = "0\underline{0}1\underline{1}0\underline{1}"$, we cannot select the 1^{st} , 3^{rd} , and 5^{th} buildings as that would form " $0\underline{1}\underline{1}"$ "

Return the number of valid ways to select 3 buildings.

which is not allowed due to having two consecutive buildings of the same type.

Example 1:

Example 2:

```
Input: s = "11100"
Output: 0
Explanation: It can be shown that there are no valid selections.
```

Constraints:

- 3 <= s.length <= 10⁵
 s[i] is either '0' or '1'.
- JavaScript d c const numberOfWays = $(s) \Rightarrow op(s, '101') + op(s, '010')$ 2 3 • const op = $(s, t) \Rightarrow \{$ 4 let one = 0, two = 0, three = 0; 5 for (const c of s) { if (c == t[2]) three += two;6 7 if (c == t[1]) two += one; 8 if (c == t[0]) one++; 9 10 return three; };

United States (/region)

Custom Testcase Use Example Testcases

Submission Result: Accepted (/submissions/detail/672781339/)

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