2222. Number of Ways to Select Buildings

Description

You are given a **0-indexed** binary string `s` which represents the types of buildings along a street where:

- `s[i] = '0'` denotes that the `i th` building is an office and
- `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** buildings out of the **selected** buildings can be of the same type.

- For example, given `s = "0 0 1 1 0 1 "`, we cannot select the `1 st`, `3 rd`, and `5 th` buildings as that would form `"0 11 "` which is **not** allowed due to having two consecutive buildings of the same type.

Return *the* ***number of valid ways*** *to select 3 buildings.*

Example 1:

```
Input: s = "001101"
Output: 6
Explanation:
The following sets of indices selected are valid:
- [0,2,4] from " 0 0 1 1 0 1" forms "010"
- [0,3,4] from " 0 01 10 1" forms "010"
- [1,2,4] from "0 01 1 0 1" forms "010"
- [1,3,4] from "0 0 1 10 1" forms "010"
- [2,4,5] from "00 1 1 01 " forms "101"
- [3,4,5] from "001 101 " forms "101"
No other selection is valid. Thus, there are 6 total ways.
```

Example 2:

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

Constraints:

- `3 <= s.length <= 10 5`
- `s[i]` is either `'0'` or `'1'`.