5923. Minimum Number of Buckets Required to Collect Rainwater from Houses

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You are given a **0-indexed** string `street`. Each character in `street` is either `'H'` representing a house or `'.'` representing an empty space.

You can place buckets on the **empty spaces** to collect rainwater that falls from the adjacent houses. The rainwater from a house at index `i` is collected if a bucket is placed at index `i - 1` **and/or** index `i + 1`. A single bucket, if placed adjacent to two houses, can collect the rainwater from **both** houses.

Return *the **minimum** number of buckets needed so that for **every** house, there is **at least** one bucket collecting rainwater from it, or* `-1` *if it is impossible.*

User Accepted:	1477
User Tried:	2036
Total Accepted:	1497
Total Submissions:	3998
Difficulty:	Medium

Example 1:

```
Input: street = "H..H"
Output: 2
Explanation:
We can put buckets at index 1 and index 2.
"H..H" -> "HBBH" ('B' denotes where a bucket is placed).
The house at index 0 has a bucket to its right, and the house at index 3 has a bucket to its left.
Thus, for every house, there is at least one bucket collecting rainwater from it.
```

Example 2:

```
Input: street = ".H.H."
Output: 1
Explanation:
We can put a bucket at index 2.
".H.H." -> ".HBH." ('B' denotes where a bucket is placed).
The house at index 1 has a bucket to its right, and the house at index 3 has a bucket to its left.
Thus, for every house, there is at least one bucket collecting rainwater from it.
```

Example 3:

```
Input: street = ".HHH."
Output: -1
Explanation:
There is no empty space to place a bucket to collect the rainwater from the house at index 2.
Thus, it is impossible to collect the rainwater from all the houses.
```

Example 4:

```
Input: street = "H"
Output: -1
Explanation:
There is no empty space to place a bucket.
Thus, it is impossible to collect the rainwater from the house.
```

Example 5:

```
Input: street = "."
Output: 0
Explanation:
There is no house to collect water from.
Thus, 0 buckets are needed.
```

Constraints:

- `1 <= street.length <= 10^5`
- `street[i]` is either `'H'` or `'.'`.

JavaScript

```
/**
 * @param {string} street
 * @return {number}
 */
var minimumBuckets = function(street) {

};
```

Custom Testcase Use Example Testcases

Run Submit