

2223. Sum of Scores of Built Strings

Description

You are **building** a string `s` of length `n` **one** character at a time, **prepending** each new character to the **front** of the string. The strings are labeled from `1` to `n`, where the string with length `i` is labeled `si`.

- For example, for `s = "abaca"`, `s1 == "a"`, `s2 == "ca"`, `s3 == "aca"`, etc.

The **score** of `si` is the length of the **longest common prefix** between `si` and `sn` (Note that `s == sn`).

Given the final string `s`, return *the sum of the score of every `si`*.

Example 1:

```
Input: s = "babab"
Output: 9
Explanation:
For s1 == "b", the longest common prefix is "b" which has a score of 1.
For s2 == "ab", there is no common prefix so the score is 0.
For s3 == "bab", the longest common prefix is "bab" which has a score of 3.
For s4 == "abab", there is no common prefix so the score is 0.
For s5 == "babab", the longest common prefix is "babab" which has a score of 5.
The sum of the scores is 1 + 0 + 3 + 0 + 5 = 9, so we return 9.
```

Example 2:

```
Input: s = "azbazbzaz"
Output: 14
Explanation:
For s2 == "az", the longest common prefix is "az" which has a score of 2.
For s6 == "azbzaz", the longest common prefix is "azb" which has a score of 3.
For s9 == "azbazbzaz", the longest common prefix is "azbazbzaz" which has a score of 9.
For all other si, the score is 0.
The sum of the scores is 2 + 3 + 9 = 14, so we return 14.
```

Constraints:

- `1 <= s.length <= 105`
- `s` consists of lowercase English letters.

