# 5682. Sum of Beauty of All Substrings

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The **beauty** of a string is the difference in frequencies between the most frequent and least frequent characters.

- For example, the beauty of `"abaacc"` is `3 − 1 = 2`.

Given a string `s`, return *the sum of **beauty** of all of its substrings*.

| | |
|---|---|
| User Accepted: | 0 |
| User Tried: | 0 |
| Total Accepted: | 0 |
| Total Submissions: | 0 |
| Difficulty: | Medium |

**Example 1:**

```
Input: s = "aabcb"
Output: 5
Explanation: The substrings with non-zero beauty are ["aab","aabc","aabcb","abcb","bcb"], each w
```

**Example 2:**

```
Input: s = "aabcbaa"
Output: 17
```

**Constraints:**

- `1 <= s.length <= 500`
- `s` consists of only lowercase English letters.

TypeScript ▾

```
1 ▾ function beautySum(s: string): number {
2
3   };
```

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