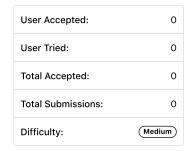# 5634. Maximum Score From Removing Substrings

My Submissions (/contest/biweekly-contest-43/problems/maximum-score-from-removing-substrings/submissions/)

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You are given a string `s` and two integers `x` and `y` . You can perform two types of operations any number of times.

- Remove substring `"ab"` and gain `x` points.
  - For example, when removing `"ab"` from `"cabxbae"` it becomes `"cxbae"` .
- Remove substring `"ba"` and gain `y` points.
  - For example, when removing `"ba"` from `"cabxbae"` it becomes `"cabxe"` .

Return *the maximum points you can gain after applying the above operations on* `s` .

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

Example 1:

```
Input: s = "cdbcbbaaabab", x = 4, y = 5
Output: 19
Explanation:
- Remove the "ba" underlined in "cdbcbbaaabab". Now, s = "cdbcbbaaab" and 5 points are added to the score.
- Remove the "ab" underlined in "cdbcbbaaab". Now, s = "cdbcbbaa" and 4 points are added to the score.
- Remove the "ba" underlined in "cdbcbbaa". Now, s = "cdbcba" and 5 points are added to the score.
- Remove the "ba" underlined in "cdbcba". Now, s = "cdbc" and 5 points are added to the score.
Total score = 5 + 4 + 5 + 5 = 19.
```

Example 2:

```
Input: s = "aabbaaxybbaabb", x = 5, y = 4
Output: 20
```

Constraints:

- $1 <= s.length <= 10^5$
- $1 <= x, y <= 10^4$
- `s` consists of lowercase English letters.

JavaScript ▼

```
1  /**
2   * @param {string} s
3   * @param {number} x
4   * @param {number} y
5   * @return {number}
6   */
7  var maximumGain = function(s, x, y) {
8  
9  };
```

☐ **Custom Testcase**   Use Example Testcases