Lab4 Questions

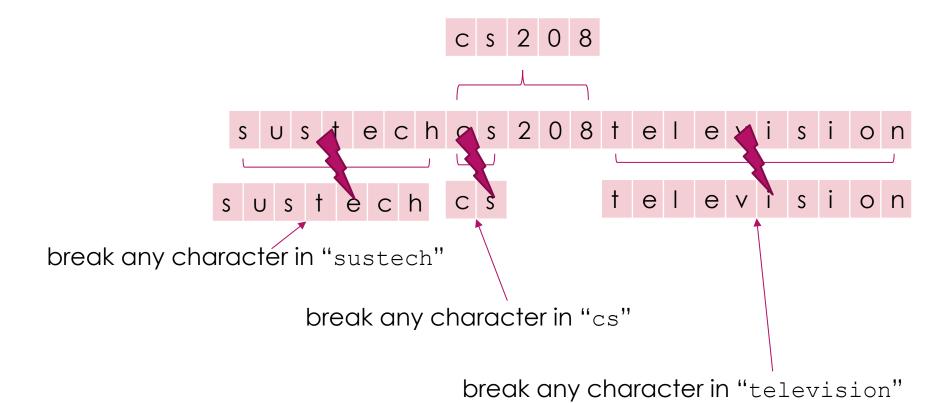
YAO ZHAO

Lab4.A TV Breaker

- Recently, Bob bought a TV. The TV can be considered as a string S. A TV is called wonderful if its string contains at least one amazing feature. There are n amazing features in total, and each one of the features is a string f_i . Alice is very jealous of Bob's TV. So one day Alice goes to Bob's home and starts breaking the TV.
- Alice can only do one hitting for one time, each hitting she can choose one character of the TV string and make it become space. Now what she wants is to make Bob's TV become no wonderful. That is, after all her hittings, the TV will not contain any one of the amazing features.
- Alice doesn't want to be very tired, so please help her find the minimum times of hittings to achieve her goal.
- ► The alphabet of the strings consists of characters and the value of ASCII in decimal is from 33 to 126.

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Input:
```

```
sustechcs208television
4
cs
television
cs208
sustech
```



Output:

3

Input:

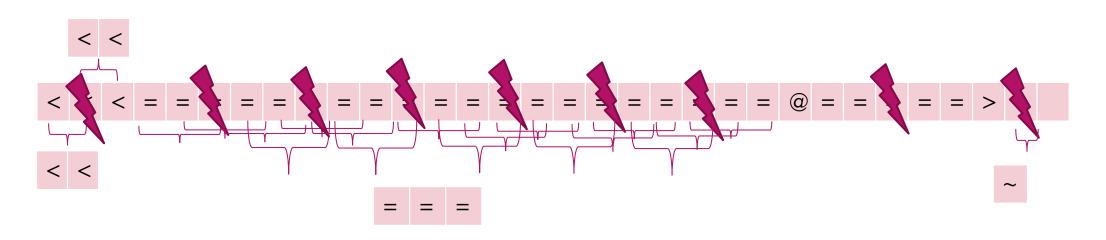
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3

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Output:

9

Lab4.B Fruit

Little Liu has a plantation where he grows n types of fruits. Each type of fruit can be sold for a certain price v_i , but only within a specific time frame from l_i to r_i . Little Liu can only sell one type of fruit at a time. Your task is to calculate the maximum amount of money he can earn from his plantation.

Note: $n \le 5000$, $1 \le l_i \le r_i \le 10^9$, $1 \le v_i \le 10^9$

2 3 3 time frame: 3 5 fruit1: fruit 1 can be sold in any time frame of 1~3, income = 4 fruit2: 5 fruit 2 can be sold in any time frame of $2\sim4$, income = 5 fruit3: fruit 3 can be sold in time frame 1, income = 2 fruit4: fruit 3 can be sold in time frame 3, income = 1

fruit 2 can be sold in any time frame of $2\sim3$, income = 3

Input:

fruit5:

