



Brute Force

1 second 64 MB

JungPS

Input

The first line contains two integers n and q .

The second line contains string s , with a length of n . The next q lines each contains 4 integers, s_a , e_a , s_b , e_b

Output

Print q lines, denote whether the substring $s[s_a : e_a]$ is identical to $s[s_b : e_b]$

Constraints

- $1 \leq n, q \leq 2 \cdot 10^5$
- $1 \leq s_a \leq e_a \leq n$
- $1 \leq s_b \leq e_b \leq n$
- The string contain only lowercase letters a to z

Example

Input:

```
11 2
helloaplle
3 4 9 10
1 5 6 10
```

Output:

```
YES
NO
```

ll is identical

hello is not identical to appll

Subtask

Subtask 1: No additional constraints