

Problem N

Zeros and Ones

Input: standard input

Output: standard output

Time Limit: 2 seconds

Memory Limit: 32 MB

Given a string of **0**'s and **1**'s up to **1000000** characters long and indices **i** and **j**, you are to answer a question whether all characters between position **min(i,j)** and position **max(i,j)** (inclusive) are the same.

Input

There are multiple cases on input. The first line of each case gives a string of **0**'s and **1**'s. The next line contains a positive integer **n** giving the number of queries for this case. The next **n** lines contain queries, one per line. Each query is given by two non-negative integers, **i** and **j**. For each query, you are to print **yes** if all characters in the string between position **min(i,j)** and position **max(i,j)** are the same, and **no** otherwise.

Output

Each case on output should start with a heading as in the sample below. The input ends with an empty string that is a line containing only the new line character, this string should not be processed. The input may also with end of file. So keep check for both.

Sample Input

[illegible]

Sample Output

```

Case 1:
No
Yes
Yes
Case 2:
Yes

```

Yes

No

Yes

No

Case 3:

Yes

(The Decider Contest, Source: University of Alberta Local Contest)