

Divisibility Test

Time Limit: 1 sec

You are given a large number A of n digits. There are q queries. Each query consists of an index i and an index j. For each query, you have to tell if the number formed from index i to index j (both included) in the number A is divisible by 9 or not. Assume 1 based indexing.

Input:

First line takes an input T. T is the number of test cases.

For each test case:

The first line takes a number A.

The next line takes an input q which is the number of queries. Each of the next q lines takes two integers i and j respectively.

Output:

For each query, print YES if the required number is divisible by 9. Else, print NO.

Constraints:

$$1 \leq T \leq 100$$

$$1 \leq n \leq 10^5$$

$$1 \leq q \leq 10^5$$

$$1 \leq i, j \leq 10^5$$

Sample:

Input:

```
1
13245
2
1 2
2 4
```

Output:

```
NO
YES
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