

P. 0.....10 Substring

time limit per test: 1 second  
memory limit per test: 256 megabytes

Genawy has a simple task in his homework. Given a string  $S$  which contains only digits from 0 to 9, he is asked to find the substring with the minimum size that contains all numbers from 0 to 10 at least once.

There can't be overlapping numbers in the substring. The string "1023456789" doesn't contain all numbers from 0 to 10 but the string "012345678910" does.

Can you help Genawy to do his homework?

Input

The first line contains the number of test cases  $T$  ( $1 \leq T \leq 100$ ).

Then  $T$  lines, each contains string  $S$  ( $1 \leq |S| \leq 10^5$ ).

Output

For each test case, print "Case  $X$ : ", where  $X$  is the number of test case starting from 1.

Then, if there is no solution print "NO". Otherwise, print "YES  $L R$ " where  $L$  is the start position of the substring and  $R$  is the end position of the substring.

If there are more than one solution, print any of them.

Example

input	Copy
4 4150492894710 012345678910 1023456789 301018563798482	
output	Copy
Case 1: NO Case 2: YES 1 12 Case 3: NO Case 4: YES 2 15	

ICPC Assiut University Training - Juniors Phase 1 Sheets-2022

Public

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→ Group Contests

- Juniors Phase 1 Practice #5 (Bitmask, Bitset, Bits)
- Juniors Phase 1 Practice #4 ( Binary search , Two pointers )
- Juniors Phase 1 Practice #3 ( STL 2 )
- Juniors Phase 1 Practice #2 ( STL 1 )
- Juniors Phase 1 Practice #1 ( Prefix sum , Frequency Array )

Juniors Phase 1 Practice #4 ( Binary search , Two pointers )

Finished

Practice

→ About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the [link](#).

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
<a href="#">312627394</a>	Mar/27/2025 01:06	Accepted
<a href="#">312627254</a>	Mar/27/2025 01:02	Accepted
<a href="#">312627112</a>	Mar/27/2025 00:59	Wrong answer on test 3