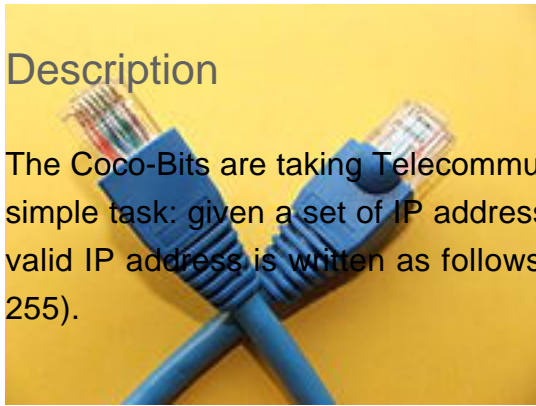


2733 - Coco-Bits vs TL

Description



The Coco-Bits are taking Telecommunication lessons. During the last lesson they were assigned a simple task: given a set of IP addresses, they must say which ones are valid and which are not. A valid IP address is written as follows: N.N.N.N if It's IPV4 or N.N.N.N.N.N if It's IPV6 ($0 \leq N \leq 255$).

The Coco-Bits have asked you to help them with a solution.

Input specification

A line with the number of test cases ($1 \leq T \leq 100$). The following lines contain possible IP addresses.

Output specification

A set of lines with the word "SI" if the Nth address is correct or "NO" if is not.

Sample input

```
3
10.8.50.1
10.3.257.4
10.4.8.8.7.5
```

Sample output

```
SI
NO
SI
```

Hint(s)

Source

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Added by

jbpineiro

Caribbean Online Judge

Addition date	2014-03-04
Time limit (ms)	1000
Test limit (ms)	1000
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	15000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text