



Missing Mustafa

- Time limit: 1 second
- Memory limit: 256 MB

Mustafa, who is a working man, went to all the natural numbers and replaced each number with the sum of that number and the sum of its digits. (For example, instead of the number 12, 15 is written, and instead of 505, 515 is written, and instead of 1, 2). Now he misses some numbers. The question asks in this way: Is the number x among the new numbers? Help Mustafa find the answers to his questions.

Input

In the first line of the input number t . It is said that it shows the number of questions of Mustafa. At the next line is a number in each line x . It is stated that it represents the number questioned by Mustafa.

$$1 \leq t \leq 100000$$

$$1 \leq x \leq 1000000$$



Questions

50

Qoli work project

75

auspicious day

100

Armstrong number

100

Missing Mustafa

100

Presidential Election

125

Special square

150

Honorably the first
!!!number

All submissions

Final submissions

Scoreboard

$$1 \leq x \leq 1000000$$

Output

The line is that in the line i answer the question i has come. In this way, if the desired number is present among the new numbers, it should be *Yes* and if not *No* _Print.

Example

Sample input

```
3
97
119
1311
```

Sample output

```
No
Yes
No
```

The number 119 is made in the form of $109 + \text{the sum of the digits (109)}$. There is no natural number whose sum of digits is equal to 97 or 1311.

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