

## 2570 - Elegant Numbers II

### Description

We say a number is elegant if when written backwards, the new number is greater than the original, for instance 415 is elegant, since 514 is greater than 415, but 321 and 121 are not.

### Input specification

Several lines with a number  $n$  ( $1 \leq n \leq 10^6$ ). There will be at most  $2 \cdot 10^5$  lines.

### Output specification

For each number, print a single line with a single word: YES if the given number is elegant, or NO otherwise.

### Sample input

```
1
2
12
```

### Sample output

```
NO
NO
YES
```

### Hint(s)

Source	Yonny Mondelo Hernández
Added by	<b>ymondelo20</b>
Addition date	2013-10-22
Time limit (ms)	75000
Test limit (ms)	1500
Memory limit (kb)	256000
Output limit (mb)	64