

Help MS Dhoni

Its the final match between India and Pakistan. Pakistan scores a huge total (say "**N**") in his innings. Since its a big score, all eyes are set on starplayer "Virat Kohli". Virat loves to chase big scores. But Anushka says "he can only chase this score if total is divisible by **495**."

MS Dhoni is weak in maths. Now your task is to inform MS Dhoni whether N is a multiple of **495** or not.

Constraints:

$$0 < T < 11$$

$$0 \leq N < 10^{10^5} \text{ (same as } 10^{100000}\text{)}.$$

Input

First line of input will contain an integer **T** which denotes the number of testcases. Each of next T lines contains an integer number **N**.

Output

For each of the number N, you have to print **yes**, if that number is a multiple of 495, otherwise print **no**.

Example

Input:

2

2

990

Output:

no

yes