Strong Number

Problem Statement:

A number is called strong number if sum of the factorial of its digit is equal to number itself. For example: 145 since

1! + 4! + 5! = 1 + 24 + 120 = 145

So, 145 isa Strong number. Now givenan positive number **N** and you have to find the number is strong number or not .

Input:

An integer **T** (1<=**T**<=1000) denoting the number of test cases followed by T lines. Each containing a single integer **N** (0 <= **N**<= 10^{18})

Output:

For each case output string "**YES**" if given number is strong number and "**NO**" otherwise.

Sample Input/output:

Sample Input	Sample Output
2	YES
145	NO
12	

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