
Jo Number

Jojo likes Jo numbers. A Jo numbers are positive integers whose decimal representation contains only 7 and 8. For example, 8 and 778 are Jo while 18 and 286 are not.

Jojo calls a number semi-Jo if it could be evenly divided by some Jo number. Given integer N, help him find out if it's an semi-Jo number.

Format Input

The input begins with an integer T indicating the number of test cases. In each test case, there is an integer N, the number that needs to be checked.

Format Output

For each test case, output YES if number N is semi-Jo. Otherwise, output NO.

Constraints

$1 \leq T \leq 10$

$1 \leq N \leq 1000000000$

Sample Input	Sample Output
3 8 28 5605	Case #1: YES Case #2: YES Case #3: NO