

## Fibonacci Again

Time Limit: 2000/1000 MS (Java/Others)    Memory Limit: 65536/32768 K (Java/Others)

Total Submission(s): 51553    Accepted Submission(s): 24390

### Problem Description

There are another kind of Fibonacci numbers:  $F(0) = 7$ ,  $F(1) = 11$ ,  $F(n) = F(n-1) + F(n-2)$  ( $n \geq 2$ ).

### Input

Input consists of a sequence of lines, each containing an integer  $n$ . ( $n < 1,000,000$ ).

### Output

Print the word "yes" if 3 divide evenly into  $F(n)$ .

Print the word "no" if not.

### Sample Input

0  
1  
2  
3  
4  
5

### Sample Output

no  
no  
yes  
no  
no  
no

### Author

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