

Problem C. Fibonacci Again

Time limit 2000 ms
Mem limit 65536 kB
OS Linux

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