

Problem E

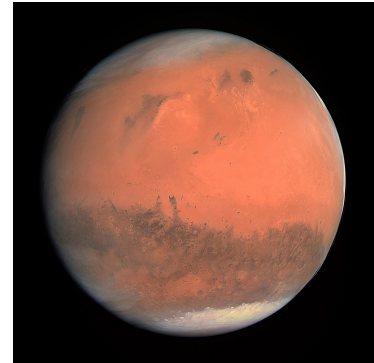
Mars Window

Problem ID: marswindow

You are an eccentric billionaire with an affinity for sending stuff to Mars. In an ideal world you would send stuff to Mars all the time, but your engineers tell you that it is most efficient to do it when Earth and Mars are somewhat close to each other.

Your engineers have calculated that optimal launch windows occur once every 26 months, and that one of them occurs in April 2018. They also tell you that they will not have any Big Finished Rockets by then, so you will have to wait for a later launch window.

Since your rocket scientists apparently can not be bothered to tell you about the optimal launch windows before it is too late, you have to keep track of that yourself. Write a program that determines if there is an optimal launch window in any given year.



Picture by the European Space Agency, cc by-sa

Input

The only line of input contains an integer y ($2018 \leq y \leq 10000$), the year you are interested in.

Output

Output “yes” if there is an optimal launch window in the year y , otherwise output “no”.

Sample Input 1	Sample Output 1
2018	yes
Sample Input 2	Sample Output 2
2019	no
Sample Input 3	Sample Output 3
2020	yes
Sample Input 4	Sample Output 4
2028	no