

IsItHalloween.com

HiQ recently got an assignment from a client to create a clone of the immensely popular website <https://IsItHalloween.com>. The website is a very simple one. People will visit the site occasionally to see if it is Halloween. Whenever it is, the website should print out `yup`, otherwise it should print out `nope` on the screen.

Since HiQ is such a popular firm, they don't have time to complete this assignment right now. Their frontend engineers have already programmed the frontend of the website that prints out `yup` or `nope`, but not the backend microservice that determines whether it is indeed Halloween or not. Do you have time to help them?

The behaviour of the server should be as follows: it gets as input the current date in the format `FEB 9`, where `FEB` is the month given in three letters (`JAN`, `FEB`, `MAR`, `APR`, `MAY`, `JUN`, `JUL`, `AUG`, `SEP`, `OCT`, `NOV`, `DEC`) and `9` is the day of the month starting at `1`. It should then determine if this date represents October 31 or December 25 (since $31_8 = 25_{10}$).



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cc by-sa

Problem ID: isithalloween


CPU Time limit: 1 second

Memory limit: 1024 MB

Difficulty: 1.3

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Source: HiQ Challenge 2019

License: 

Input

The input consists of a single line containing a date of the format `FEB 9`, with the month and date separated by a single space.

Output

If the date is October 31 or December 25, output `yup`. Otherwise, output `nope`.

Sample Input 1

OCT 31

Sample Output 1

yup

Sample Input 2

JUN 24

Sample Output 2

nope