

---

## Pica d'Estats

P90620\_en

---

Write a program that, given a sequence of integer numbers strictly positive ended with 0, prints if contains any peak greater than 3143 (the height of Pica d'Estats). A peak is an integer of the sequence that has a predecessor and a successor and it is strictly greater than them.

### Input

Input is a sequence of integer numbers strictly positive ended with 0. At least, always there are three integer numbers (not counting the 0).

### Output

The output must be "YES" if there is any peak greater than 3143, and "NO" otherwise.

#### Sample input 1

21 41 51 32 26 37 37 27 12 31 42 30 0

#### Sample output 1

NO

#### Sample input 2

1234 912 1021 921 1012 3150 4653 5678 0

#### Sample output 2

NO

#### Sample input 3

1234 912 1021 9012 1012 3150 256 68 29 29

#### Sample output 3

YES

### Problem information

Author : Jordi Petit

Translator : Carlos Molina

Generation : 2024-05-03 08:37:53

© Jutge.org, 2006–2024.

<https://jutge.org>