

Is it a triangle?

Write a program that insert the sides of a hypothetical triangle, tell if such a triangle exists.
(Remember that a triangle is exists if each side is less than the sum of the other two).

Input

The first line contains three numbers divided by space " ".

Output

The first line says if triangle exists (YES or NO)

Sample input

Sample output

33,3 34,3 34,4	YES
41,1 65,1 13,1	NO
55,5 56,7 76,8	YES