<center>**Numbers Distinction**</center>

Write a program that, entered from the keyboard three whole numbers, prints one of the following on the screen:

ALL if they are all equals
TWO if two of them are equals
NONE if no one is equal.

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

Output
The first line displays the message. (ALL, TWO, NONE)

Sample input   **Sample output**

Sample input	Sample output
34 4 34	TWO
5 5 5	ALL
43 5 23	NONE