

Problem A: Johnson & Johnson

Description

Johnson & Johnson COVID-19 vaccine is one of the COVID-19 vaccines currently available for administration in Tanzania. The vaccine requires only a single dose and does not need to be stored frozen. The vaccine can even be stored outside a refrigerator between 9 to 25 °C (48 to 77 °F) inclusively for up to twelve hours.

Input

The only line of the input contains a duration in hours that a bottle of Johnson & Johnson vaccine has been kept outside a refrigerator, the room temperature (in Celsius or Fahrenheit), as well as "F" or "C" to indicate if the temperature is measured in Fahrenheit or Celsius respectively. Determine if the doze is GOOD or BAD for use. Refer to test cases below for input format.

Output

Display GOOD or BAD on its own line to indicate whether the vaccine bottle is good or bad for use respectively.

NB: *Kindly note that your solution will be run at least five times. Each time, it will be tested against a different set of input. The first few test cases are given below to help you check your solution. The remaining tests can be seen from the contest page for this problem or the results page after you submit your solution.*

Test 1

Input	Output
6 15 C	GOOD

In Test 1, vaccine left for 6hrs in 15 °C is still good for use.

Test 2

Input	Output
18 52 F	BAD

In Test 2, vaccine left for 18hrs outside a refrigerator is bad for use.