

# HW3

Enter three positive integers (from shortest to longest) as the sides of a triangle, and determine if the triangle is valid, equilateral, or right-angled.

You should output three numbers, each indicating whether the triangle satisfies the above conditions in order. For example, the first number indicates whether the triangle is valid: output 1 if it is valid, otherwise output 0.

## Example 1

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Input:  
2 2 2  
Output:  
110  
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## Example 2

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Input:  
3 4 5  
Output:  
101  
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