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Assignment 1

BIT 142

For all of the following questions, assume that you're working with the equation

A % B = C.

When A is less than B, what will C be?

A: When A is less than B, C will always be the value of A. Ex: 2 % 5 = 2, 2 % 6 = 2, 2 % 200 = 2, 13 % 20 = 13, 13 % 14 = 13 This is true for all real examples.

Why? Because the second number is larger, it 'goes into' the first number zero times and the remainder is the entirety of this first number.

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When A is == B, what will C be?

A: Modulo will always result in 0 if the two numbers being compared are the same. This is because when two numbers that are same are compared with modulo, B goes into A with 0 remainder.