Given integers A and B, print the value of GCD(A, B). GCD is greatest common divisor using recursion.

**Input**

Input will consist of two integers, A and B (-109 <= A, B <= 109) in one line. It will never be two zeroes.

**Output**

Output will consist of 1 line: Value of gcd.

|  |  |
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| **Sample Input** | **Sample Output** |
| 12 18 | 6 |
| 6 3 | 3 |