



STUDENT REPORT

DETAILS

Name

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Roll Number

23D21A05H4

EXPERIMENT

Title

REDUCE TILL ZERO

Description

Dev loves the number zero. Dev gives Andrew two integers X and Y and asks him to perform the steps below on X and Y. until the value of Y has been reduced to zero. The below steps should be followed sequentially:

- 1. If X<Y, then swap values of X and Y.
- 2. If Y=0. then return X
- 3. Otherwise, let T =X-Y.
- 4. Set X=Y and then set Y=T
- 5. Repeat from step 1.

Your task is to help Andrew find and return an integer value, representing the value of X, when the value of Y has been reduced to zero.

Note: At least one of the X or Y will be a non-zero integer

Input Specification:

input1: An integer value X. representing the first number.

Input2: An integer value Y, representing the second number

Sample input:

48

18

Sample Output:

6

Source Code:

```
X=int(input())
Y=int(input())
while Y!=0:
    if X
```

RESULT

5 / 5 Test Cases Passed | 100 %

