Consecutive Integer Checking Algorithm for computing GCD(m,n)

//English Like Algorithm

Step 1: Assign the value of min{m,n} to t

Step 2: Divide m by t . If the remainder of this division is 0,
go to Step 3; otherwise , go to Step 4.

Step 3: Divide n by t . If the remainder of this division is 0,
return the value of t as the answer and stop; otherwise
proceed to Step 4.

Step 4: Decrease the value of t by 1. Go to Step 2.

//Pseudo Code

GCD(m,n):

$t \leftarrow \text{MIN}\ (m, n)$

$i \leftarrow 0$

$for\ i \leftarrow t\ to\ 1\ do$

$\quad if\ n\ mod\ i = 0\ \ And\ m\ mod\ i = 0$

$\quad$ STOP

$return\ i$

MIN(i , j):

$result\ \leftarrow 0$

$if\ i\ < j$:

$\quad result\ \leftarrow i$

$else\ if\ j < i$:

$\quad result \leftarrow j$

$return\ result$

Computation of GCD in Java:
https://github.com/AvinandanBose/JavaClassicalDataStructure/blob/main/ConsIntCheckAlgo.java