---- module GCD -

```
EXTENDS Integers
Divides(p, n) \triangleq \exists q \in Int : n = q * p
DivisorsOf(n) \triangleq \{p \in Int : Divides(p, n)\}
SetMax(S) \triangleq CHOOSE \ i \in S : \forall j \in S : i \geq j
GCD(m, n) \triangleq SetMax(DivisorsOf(m) \cap DivisorsOf(n))
```

- \ ∗ Modification History
- \ * Last modified Fri Sep 24 16:22:11 CST 2021 by wrz \ * Created Fri Sep 24 16:16:22 CST 2021 by wrz