

EXTENDS *Integers*

$p \mid q \triangleq \exists d \in 1 \dots q : q = p * d$

$Divisors(q) \triangleq \{d \in 1 \dots q : d \mid q\}$

$Maximum(S) \triangleq \text{CHOOSE } x \in S : \forall y \in S : x \geq y$

$GCD(p, q) \triangleq Maximum(Divisors(p) \cap Divisors(q))$

$Number \triangleq Nat \setminus \{0\}$

\ \* Modification History

\ \* Last modified *Mon Mar 12 18:57:36 EDT 2018* by *SabraouM*

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