This text is ignored.

──────────────── MODULE GCD ────────────────

EXTENDS *Integers*

test box comments not typesetting

$Divides(p,\ n) \triangleq$ For integers p and n, equals TRUE iff p divides n – which I think
$\quad \exists\, q \in Int :$ is really neat; don't you?
$\qquad n = q * p$

$DivisorsOf(n) \triangleq \{p \in Int : Divides(p,\ n)\}$

$SetMax(S) \triangleq$
$\quad$ CHOOSE $i \in S : \forall\, j \in S : i \geq j$

$GCD(m,\ n) \triangleq$
$\quad SetMax(DivisorsOf(m) \cap DivisorsOf(n))$

\ * Modification History
\ * Last modified *Fri Feb* 14 15:52:41 *PST* 2014 by *bbeckman*
\ * Created *Fri Feb* 14 11:26:38 *PST* 2014 by *bbeckman* This text is also ignored.