gcd_p[11,40]

$\text{gcd_p}(a;\, b;\, y)$
$\equiv_{\text{def}}\ \text{divides}(y;\, a)$
$\quad\wedge\ \text{divides}(y;\, b)$
$\quad\wedge\ (\forall z{:}\mathbb{Z}.\ (\text{divides}(z;\, a) \wedge \text{divides}(z;\, b)) \Rightarrow \text{divides}(z;\, y))$

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http://www.nuprl.org/FDLcontent/p0_399846_/p83_7503_{gcd_p}.html