

## gcd\_of\_triple<sup>2,24</sup>

$\forall a, b, c, x, y: \mathbb{Z}.$

$\text{GCD}(a;b;x)$

$\Rightarrow \text{GCD}(x;c;y)$

$\Rightarrow y \mid a \ \& \ y \mid b \ \& \ y \mid c \ \& \ (\forall z: \mathbb{Z}. z \mid a \Rightarrow z \mid b \Rightarrow z \mid c \Rightarrow z \mid y)$