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Let a and b and c be

Let a and b and c be given integers.

Let a and b and c be given integers. If

Let a and b and c be given integers. If bc

Let a and b and c be given integers. If bc is divisible

Let a and b and c be given integers. If bc is divisible by a

Let a and b and c be given integers. If bc is divisible by a and

Let a and b and c be given integers. If bc is divisible by a and the greatest common divisor

Let a and b and c be given integers. If bc is divisible by a and the greatest common divisor of a and b

Let a and b and c be given integers. If bc is divisible by a and the greatest common divisor of a and b is

Let a and b and c be given integers. If bc is divisible by a and the greatest common divisor of a and b is 1

Let a and b and c be given integers. If bc is divisible by a and the greatest common divisor of a and b is 1, then

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a|bc

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$$a|bc$$
 and $gcd(a, b) = 1$

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$$a|bc$$
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 and $gcd(a,b) = 1 \Rightarrow a|c$

▶ proof

Let a and b and c be given integers. If bc is divisible by a and the greatest common divisor of a and b is 1, then c is divisible by a.

$$a|bc$$
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▶ proof

▶ Start



 $\exists x,$



 $\exists x, y$



 $\exists x,\ y\in$

▶ Start

 $\exists x,\ y\in\mathbb{Z}$

▶ Start

 $\exists x, \ y \in \mathbb{Z} \text{ such that }$

▶ Start

 $\exists x, \ y \in \mathbb{Z} \text{ such that } 1$

▶ Start

 $\exists x, \ y \in \mathbb{Z} \text{ such that } 1 =$

▶ Start

 $\exists x, \ y \in \mathbb{Z} \text{ such that } 1 = ax$

▶ Start

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 $\exists x, \ y \in \mathbb{Z} \text{ such that } 1 = ax + by \ (\because$

▶ Start

 $\exists x, \ y \in \mathbb{Z} \text{ such that } 1 = ax + by \ (\because gcd(a, b) = 1)$

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→ Start

$$\exists x, y \in \mathbb{Z} \text{ such that } 1 = ax + by \ (\because gcd(a, b) = 1)$$

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$$\therefore a|c$$

Github:

https://min7014.github.io/math20201211001.html

Click or paste URL into the URL search bar, and you can see a picture moving.