Canonical Representation of a Positive Integer

Start

Start

Canonical Representation

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Canonical Representation of a Positive Integer

Every positive integer n

▸ Start

Canonical Representation of a Positive Integer

Every positive integer $n > 1$

▸ Start

Canonical Representation of a Positive Integer

Every positive integer $n > 1$ can be represented

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Canonical Representation of a Positive Integer

Every positive integer $n > 1$ can be represented in exactly one way

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Canonical Representation of a Positive Integer

Every positive integer $n > 1$ can be represented in exactly one way as a product of prime powers.

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$n =$

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Canonical Representation of a Positive Integer

Every positive integer $n > 1$ can be represented in exactly one way as a product of prime powers.

$n = p_1^{\alpha_1}$

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Canonical Representation of a Positive Integer

Every positive integer $n > 1$ can be represented in exactly one way as a product of prime powers.

$$n = p_1^{\alpha_1} p_2^{\alpha_2}$$

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Canonical Representation of a Positive Integer

Every positive integer $n > 1$ can be represented in exactly one way as a product of prime powers.

$$n = p_1^{\alpha_1} p_2^{\alpha_2} \cdots$$

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$(p_1$

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$(p_1 < p_2$

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