

# Mathematical programming with quantors

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## For all: prime testing

$$\text{isprime}(n) \equiv \forall_{2 \leq f < n} : \neg \text{divides}(f, n)$$

$$\text{isprime}(n) \equiv \neg \text{divides}(2, n) \cap \dots \cap \neg \text{divides}(n-1, n)$$