

Proof This is a short proof. □

Proof This is another short proof, ending with the formula

$$1 + 1 = 2.$$

□

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Proof This is a rather advanced proof, ending with formulas

$$1 + 1 = 2,$$

$$2 + 2 = 4.$$

□

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$$2 + 2 = 4. \quad \square$$