Lemma 1. $1 + 1 = 2$

Proof. See page 3. □

Theorem 2. $1 + 2 = 3$

Proof. See page 4. □

Proofs

Proof of Lemma 1. It's quite clear.

Here's a paragraph break. □

Proof of Theorem 2. Obvious from lemma 1. □