

Theorem 1:

⟨1⟩1. Text of step 1.

⟨2⟩1. CASE: Case 1

PROOF SKETCH: Brief sketch to get the intuition across.

PROOF: Paragraph proof. ■

⟨2⟩2. CASE: Case 2

⟨3⟩1. Text of step

⟨4⟩1. ASSUME: 1. a
 2. b
 3. c

PROVE: 1. d
 2. e

PROOF: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat. ■

⟨4⟩2. Q.E.D.

PROOF: by contradiction ■

⟨3⟩2. Q.E.D.

PROOF: by example ■

⟨2⟩3. Q.E.D.

PROOF: By ⟨2⟩1 and ⟨2⟩2. ■

LET: $\alpha := 2^\sigma$

⟨1⟩2. SUFFICES: ...

PROOF: By ⟨1⟩1, ... ■

⟨1⟩3. Q.E.D.

PROOF: ... ■

Claim 2:

⟨1⟩1. Step 1 of claim 2

PROOF: ... ■

⟨1⟩2. Q.E.D.

PROOF: ... ■