

FALSE PROOF I



Emilio Letón
Artificial Intelligence Dept., UNED

False Proof I

$$x = y$$

Sum by difference

$$x^2 - y^2 = xy - y^2$$

Common factor

$$(x + y)(x - y) = xy - y^2$$

$$2 = 1$$

$$x + y = y$$

Where is the mistake?

$$2 = 1$$

Sum.: false proof I

