

# MyFirstDocument

stinkybug3

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## 1 Introduction

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amat. lorem ipsum dolor sit amat. lorem ipsum dolor sit amat.

Lorem ipsum dolor sit amet:  $a + b = C$

$$a^2 + b^2 = c^2 \tag{1}$$

### 1.1 Logical notation

$P$	$Q$	$P \wedge Q$	$P \vee Q$	$\neg P$	$P \rightarrow Q$	$P \leftrightarrow Q$
$\top$	$\perp$					

Universal:  $\forall xPx$

Exists:  $\exists xPx$

Conjunction:  $P \wedge Q$

Disjunction:  $P \vee Q$

#### 1.1.1 A deduction

(1)	$P \wedge Q$	prem
(2)	$P$	$\wedge$ Elim 1
(3)	$R$	Supp/CP
(4)	$S$	Magic!
(5)	$R \rightarrow S$	CP 3-4

(6)		something	magic again
(7)	P		Bingo