Notation

Logical Symbols

$\mathbb{T}$ is read as "True"
$\mathbb{F}$ is read as "False"
$\neg$ is read as "not"
$\wedge$ is read as "logical and"
$==$ is read as "is equal to"
$:$ is read as "satisfying the condition"

Set Theory Symbols

$\in$ is read as "in"
$\exists$ is read as "there exists"
$\nexists$ is read as "there does not exist"
$\forall$ is read as "for all"