Cheat sheet of Isabelle/HOL
(1) Symbols and operators

Class: Theorem proving
Fadoua Ghourabi (ghourabi.fadoua@ocha.ac.jp)

Negation ¬ (∼, \ not)

Logical operators ∧ (&), ∨ (|), ⟶ (−− >), =

Quantifiers ∀ (!, \for), ∃ (?, \exi), Some

Set relations & operators ∈ (\in, :), ∩ (\inter), ∪ (\uni), ⊆ ((=), ⊂ (\sub), -

Type definition ⇒ (=>)

Meta language of Isabelle/HOL: ⋀ (!!), ⟹ (==>)

Greek letters: ϕ (\phi), Φ (\Phi), ψ (\psi), Ψ (\Psi)

Write below the commands for new symbols: