DL ⊔ ⊓ ¬ ⊑ ∃ ≡ . ∃ ∀

FOL ∨ ∧ ¬ ← → ↔ ∀: ∃: xyz....

=> Formulas

Jan 27-10:04

Human ⊓

Adult ≡ ∃ age. ≥18 (known age ≥18)

≡ Human ⊓ ∀ age. ≥18

things that cannot have an age, or whose ages (all!) are ≥18

NonAdult ≡ ¬Adult ⊓ Human

Human ≡ Adult ⊔ NonAdult

Humans whose age is not known are neither in Adult nor in ¬Adult

open world!

Thing ⊑ ∃≤1 age.⊤

Human ⊑ ∃1 age.⊤ age is functional

Thing ⊑ ∀ age. xsd:NonNegativeInteger

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