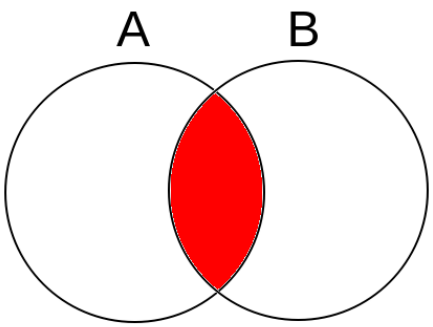
Description Logic

Lab exercises

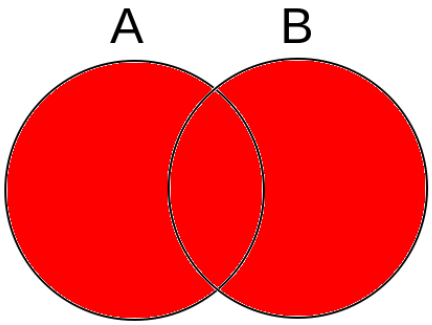
Description Logic <==> FOL

- ∃y.hasChild(x, y) ∧ male(y)
- ∃hasChild.male
- ≥ 1hasChild.male

Concept Definitions



$C \equiv A \sqcap B$



$C \equiv A \sqcup B$

Good Definitions

- Define one concept
- Avoid self-reference
- Avoid cycles
- Avoid tautology