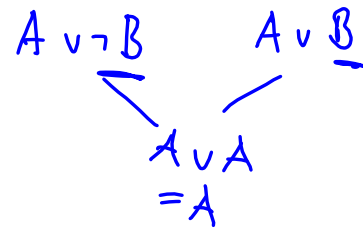
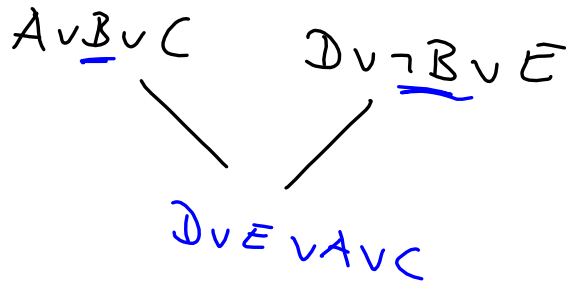


Sl. 73: Resolution



Nov 7-10:38

Sl 76 :

Description logics does not use variables

- capital rdfs:range City
- ~~every~~ country has a capital

FOL: $\forall x,y: \text{capital}(x,y) \rightarrow \text{City}(y)$
 DL: $\text{Thing} \sqsubseteq \forall \text{capital. City}$

FOL: $\forall x: \text{Country}(x) \rightarrow \exists y: \text{capital}(x,y)$

DL: $\text{Country} \sqsubseteq \exists \text{capital. Thing}$

Nov 7-11:35