

# Tableaux Example

**Exercise:** Given the following definitions

$$\begin{aligned} \text{Def 1} \quad D &\sqsubseteq \neg A \\ \text{Def 2} \quad \neg A &\sqsubseteq \neg B. \end{aligned}$$

prove that the following assertion is unsatisfiable using tableaux

$$a:\forall R.(A \vee B) \wedge \exists R.D$$

**Solution:**

