

# 1 Completeness

If  $\Gamma$  does not prove a contradiction then  $\exists M, M \vdash \Gamma$ .

# 2 Compactness

1. If  $\Gamma \vdash A$  then  $\exists \Gamma_0 \subseteq \Gamma$  Finite such that  $\Gamma_0 \vdash A$ .
2. If every finite  $\Gamma_0 \subseteq \Gamma$  is satisfiable,  $\Gamma$  is satisfiable.

## 2.1 Mood

Mood changes when there is a topic, as well as when there is WH-movement.  
*Irrealis* is the mood when there is a non-subject topic or WH-phrase in Comp.  
*Realis* is the mood when there is a subject topic or WH-phrase.