

$Ax \models C$

* Def'n of LC

$Ax \cup \{\sim C\}$ is UNS

* Def'n of SPT

$SPT^*(Ax \cup \{\sim C\})$ is UNS

* FOF \rightarrow CNF is an SPT

$SPT^*(CNF(Ax \cup \{\sim C\}))$ is UNS

* CNF has a model iff it has a Herbrand model

$HSPT^*(CNF(Ax \cup \{\sim C\}))$ is UNS

* Resolution is a sound inference rule (wrt Herbrand interpretations)

* Resolution is an HSPT

$Resolution^*(CNF(Ax \cup \{\sim C\}))$ is UNS