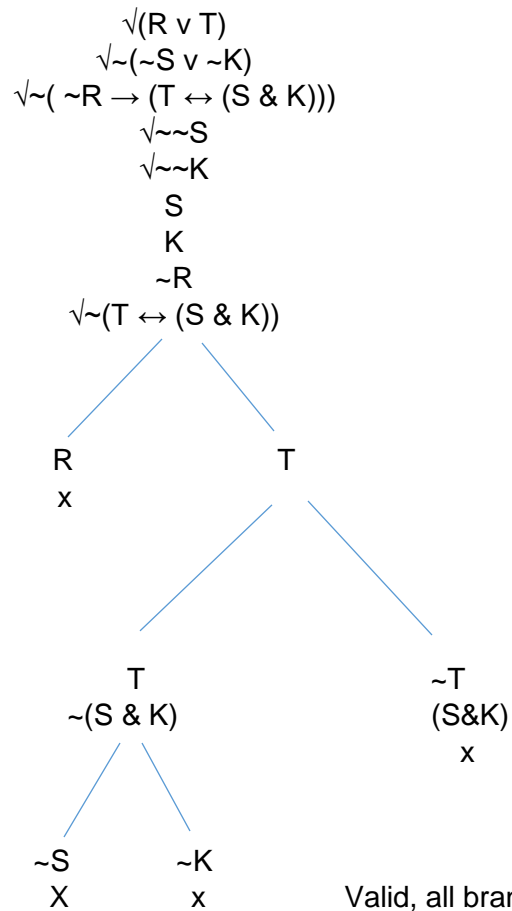


Philosophy 160 Homework 2 Solution

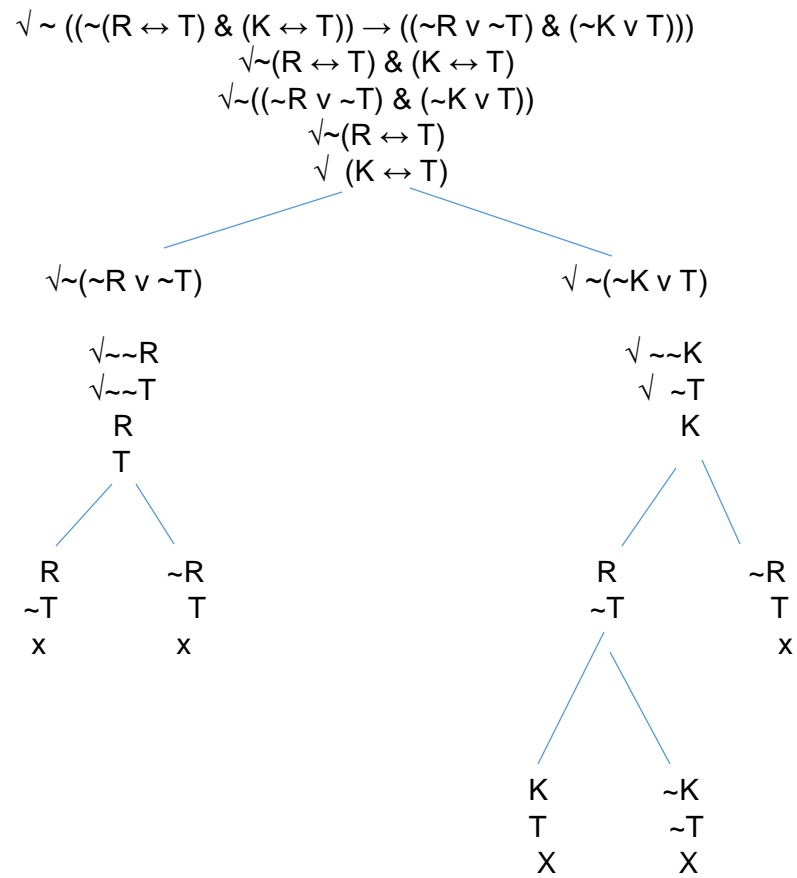
Use refutation trees to determine whether the arguments below are valid or invalid.

6.  $(R \vee T), \sim(\sim S \vee \sim K) \vdash \sim R \rightarrow (T \leftrightarrow (S \& K))$



Valid, all branches close

6.  $(\sim(R \leftrightarrow T) \& (K \leftrightarrow T)) \rightarrow ((\sim R \vee \sim T) \& (\sim K \vee T))$



Tautology, all branches close