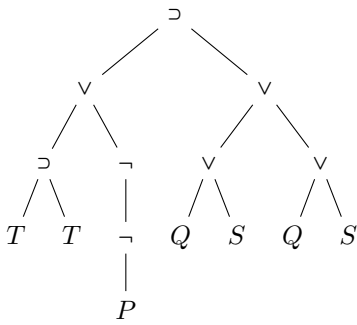


For each sentence, produce its syntax tree (the simple version with only the connectives for nodes other than the leaf nodes).

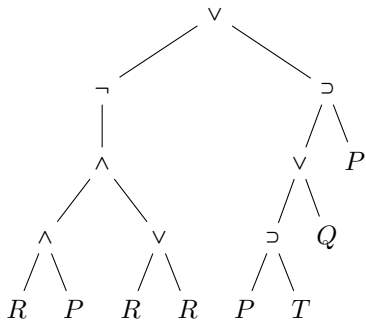
1.  $\neg(R \wedge P)$



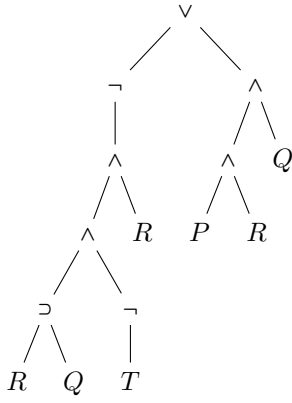
2.  $[(T \supset T) \vee \neg\neg P] \supset [(Q \vee S) \vee (Q \vee S)]$



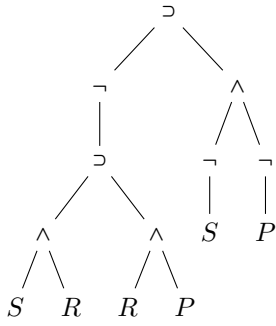
3.  $\neg[(R \wedge P) \wedge (R \vee R)] \vee \{[(P \supset T) \vee Q] \supset P\}$



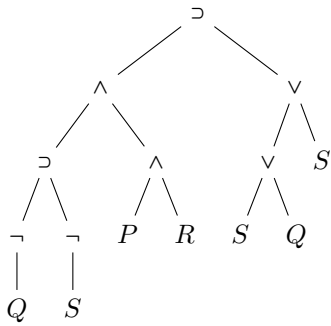
4.  $\neg\{[(R \supset Q) \wedge \neg T] \wedge R\} \vee [(P \wedge R) \wedge Q]$



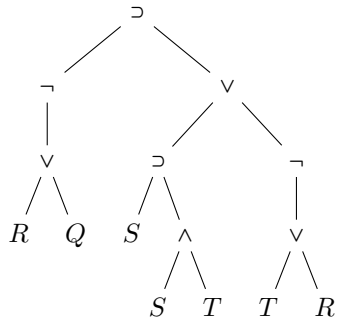
5.  $\neg[(S \wedge R) \supset (R \wedge P)] \supset (\neg S \wedge \neg P)$



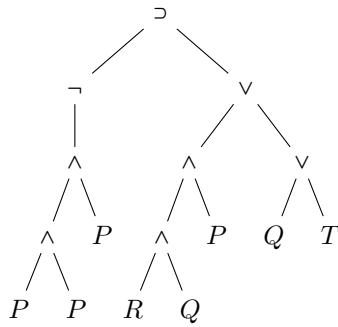
6.  $[(\neg Q \supset \neg S) \wedge (P \wedge R)] \supset [(S \vee Q) \vee S]$



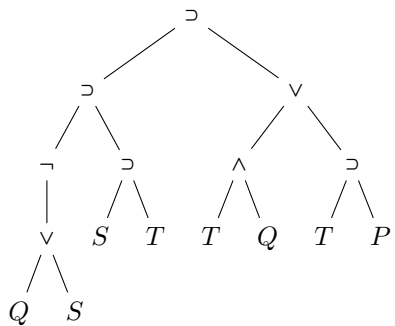
7.  $\neg(R \vee Q) \supset \{[S \supset (S \wedge T)] \vee \neg(T \vee R)\}$



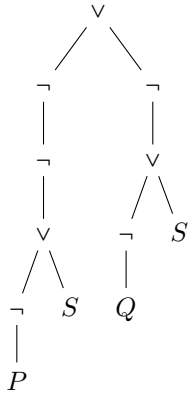
8.  $\neg[(P \wedge P) \wedge P] \supset \{[(R \wedge Q) \wedge P] \vee (Q \vee T)\}$



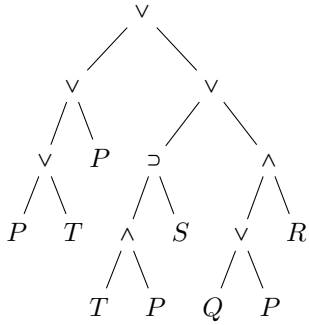
9.  $[\neg(Q \vee S) \supset (S \supset T)] \supset [(T \wedge Q) \vee (T \supset P)]$



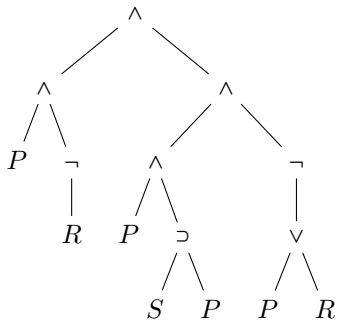
10.  $\neg\neg(\neg P \vee S) \vee \neg(\neg Q \vee S)$



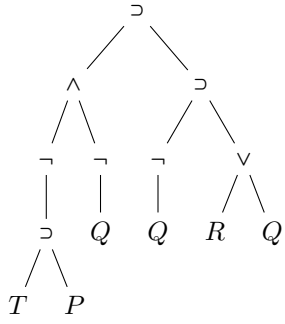
11.  $[(P \vee T) \vee P] \vee \{[(T \wedge P) \supset S] \vee [(Q \vee P) \wedge R]\}$



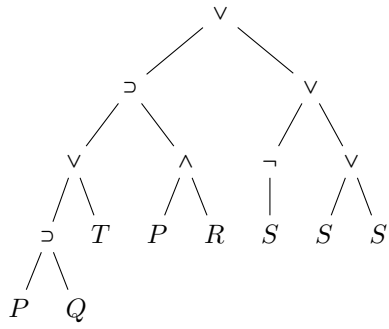
12.  $(P \wedge \neg R) \wedge \{[P \wedge (S \supset P)] \wedge \neg(P \vee R)\}$



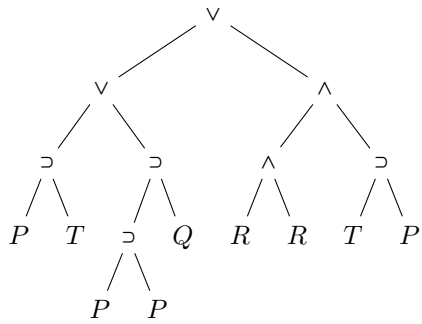
13.  $[\neg(T \supset P) \wedge \neg Q] \supset [\neg Q \supset (R \vee Q)]$



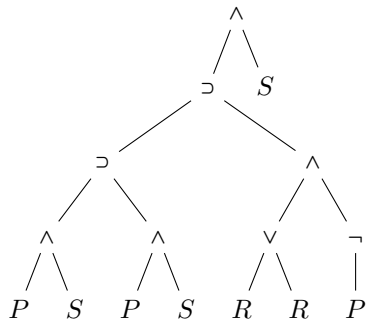
14.  $\{[(P \supset Q) \vee T] \supset (P \wedge R)\} \vee [\neg S \vee (S \vee S)]$



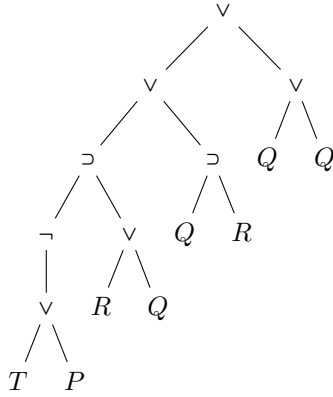
15.  $\{(P \supset T) \vee [(P \supset P) \supset Q]\} \vee [(R \wedge R) \wedge (T \supset P)]$



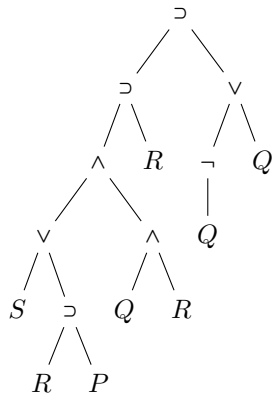
16.  $\{[(P \wedge S) \supset (P \wedge S)] \supset [(R \vee R) \wedge \neg P]\} \wedge S$



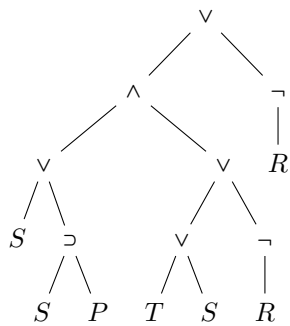
17.  $\{[\neg(T \vee P) \supset (R \vee Q)] \vee (Q \supset R)\} \vee (Q \vee Q)$



18.  $\left(\{[S \vee (R \supset P)] \wedge (Q \wedge R)\} \supset R\right) \supset (\neg Q \vee Q)$

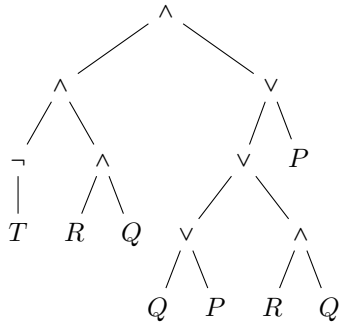


19.  $\{[S \vee (S \supset P)] \wedge [(T \vee S) \vee \neg R]\} \vee \neg R$

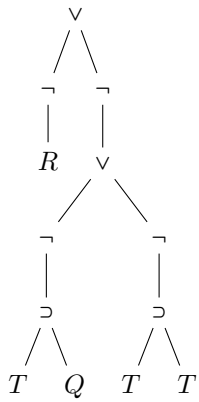


20.  $\neg\{[(S \wedge Q) \wedge \neg P] \supset \neg Q\} \supset (R \wedge S)$

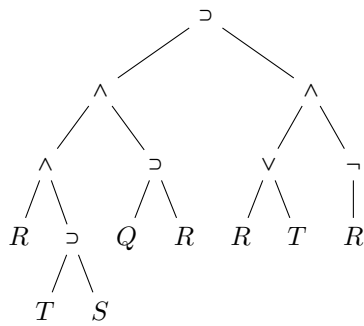




24.  $\neg R \vee \neg[\neg(T \supset Q) \vee \neg(T \supset T)]$

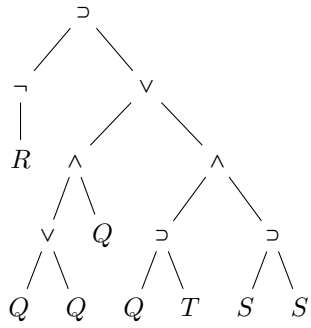


25.  $\{[R \wedge (T \supset S)] \wedge (Q \supset R)\} \supset [(R \vee T) \wedge \neg R]$

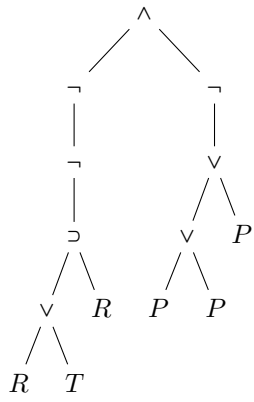


26.  $\neg R \supset \{[(Q \vee Q) \wedge Q] \vee [(Q \supset T) \wedge (S \supset S)]\}$

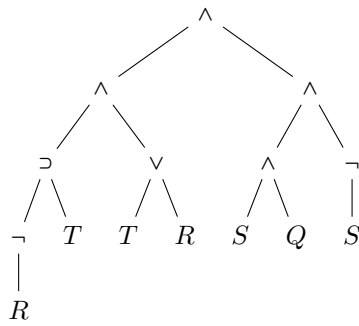




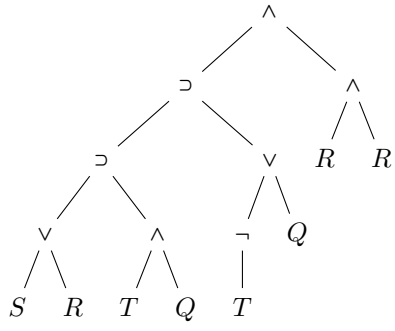
27.  $\neg\neg[(R \vee T) \supset R] \wedge \neg[(P \vee P) \vee P]$



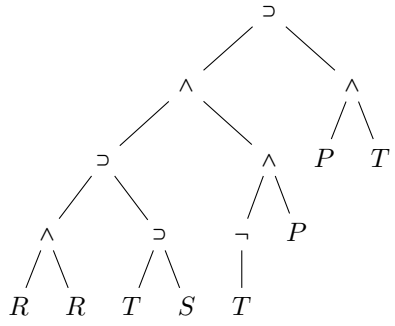
28.  $[(-R \supset T) \wedge (T \vee R)] \wedge [(S \wedge Q) \wedge \neg S]$



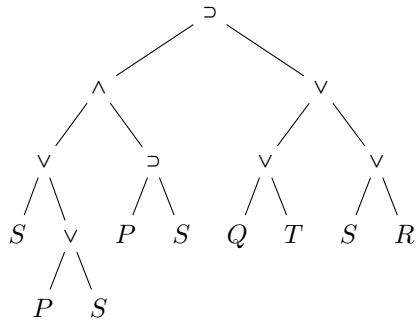
29.  $\{[(S \vee R) \supset (T \wedge Q)] \supset (\neg T \vee Q)\} \wedge (R \wedge R)$



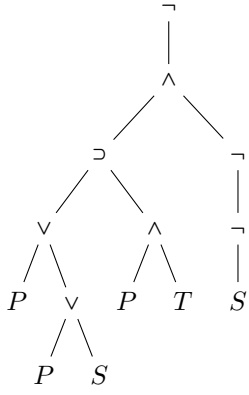
30.  $\{[(R \wedge R) \supset (T \supset S)] \wedge (\neg T \wedge P)\} \supset (P \wedge T)$



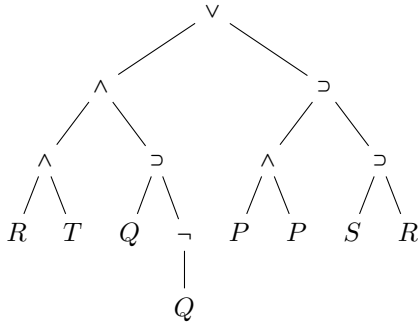
31.  $\{[S \vee (P \vee S)] \wedge (P \supset S)\} \supset [(Q \vee T) \vee (S \vee R)]$



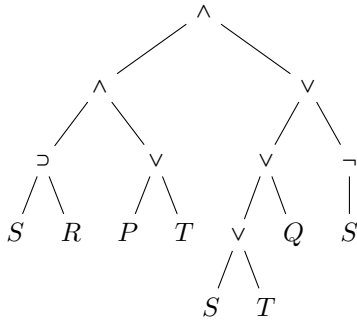
32.  $\neg(\{[P \vee (P \vee S)] \supset (P \wedge T)\} \wedge \neg\neg S)$



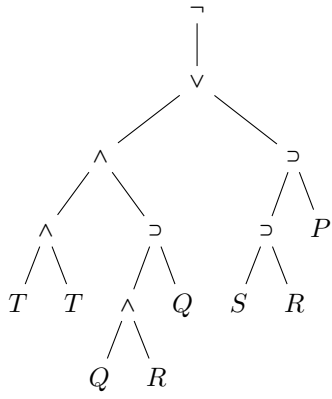
33.  $[(R \wedge T) \wedge (Q \supset \neg Q)] \vee [(P \wedge P) \supset (S \supset R)]$



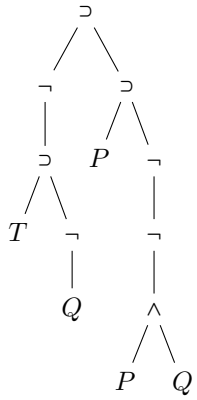
34.  $[(S \supset R) \wedge (P \vee T)] \wedge \{[(S \vee T) \vee Q] \vee \neg S\}$



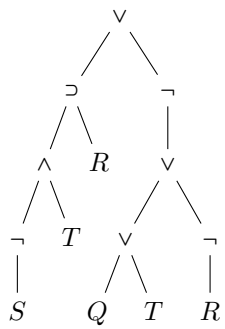
35.  $\neg \left( \{ (T \wedge T) \wedge [(Q \wedge R) \supset Q] \} \vee [(S \supset R) \supset P] \right)$



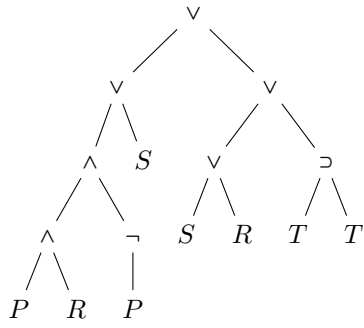
36.  $\neg(T \supset \neg Q) \supset [P \supset \neg\neg(P \wedge Q)]$



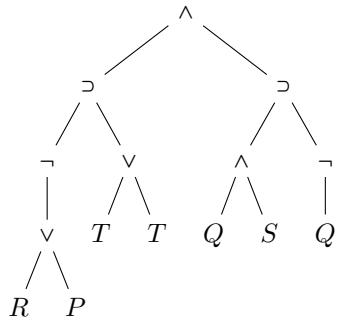
37.  $[(\neg S \wedge T) \supset R] \vee \neg[(Q \vee T) \vee \neg R]$



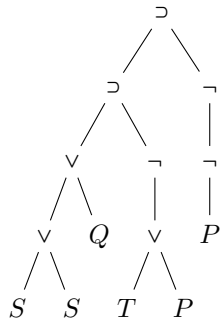
38.  $\{[(P \wedge R) \wedge \neg P] \vee S\} \vee [(S \vee R) \vee (T \supset T)]$



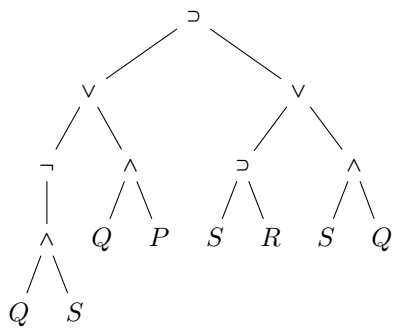
39.  $[\neg(R \vee P) \supset (T \vee T)] \wedge [(Q \wedge S) \supset \neg Q]$



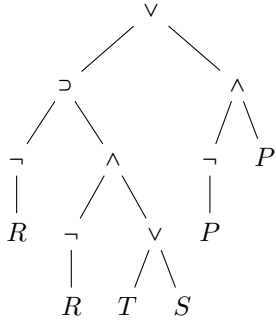
40.  $\{[(S \vee S) \vee Q] \supset \neg(T \vee P)\} \supset \neg\neg P$



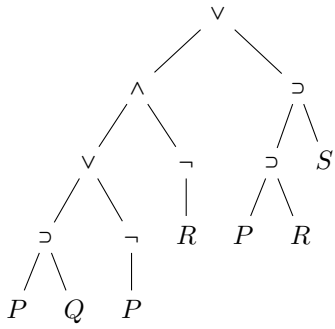
41.  $[\neg(Q \wedge S) \vee (Q \wedge P)] \supset [(S \supset R) \vee (S \wedge Q)]$



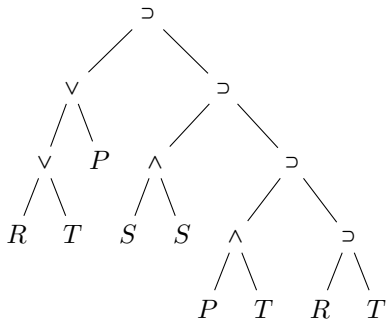
42.  $\{\neg R \supset [\neg R \wedge (T \vee S)]\} \vee (\neg P \wedge P)$



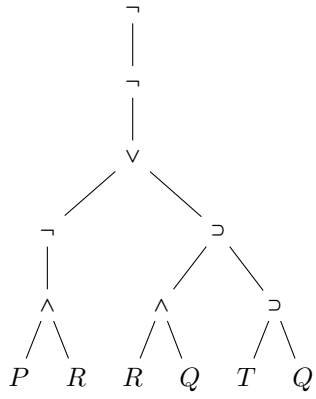
43.  $\{[(P \supset Q) \vee \neg P] \wedge \neg R\} \vee [(P \supset R) \supset S]$



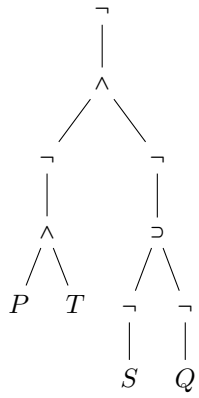
44.  $[(R \vee T) \vee P] \supset \{(S \wedge S) \supset [(P \wedge T) \supset (R \supset T)]\}$



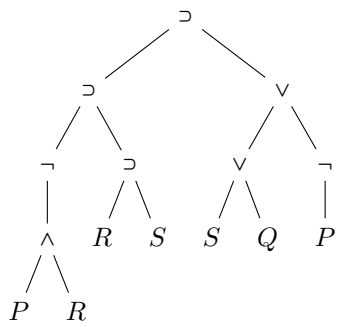
45.  $\neg \neg \{ \neg (P \wedge R) \vee [(R \wedge Q) \supset (T \supset Q)] \}$



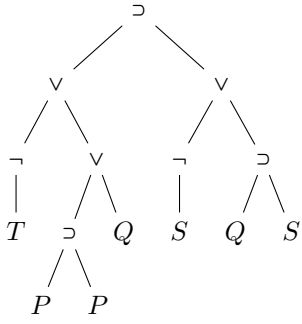
46.  $\neg[\neg(P \wedge T) \wedge \neg(\neg S \supset \neg Q)]$



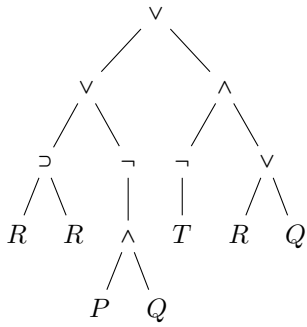
47.  $[\neg(P \wedge R) \supset (R \supset S)] \supset [(S \vee Q) \vee \neg P]$



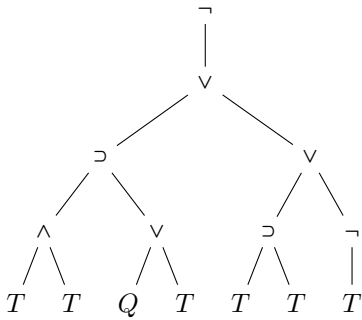
48.  $\{\neg T \vee [(P \supset P) \vee Q]\} \supset [\neg S \vee (Q \supset S)]$



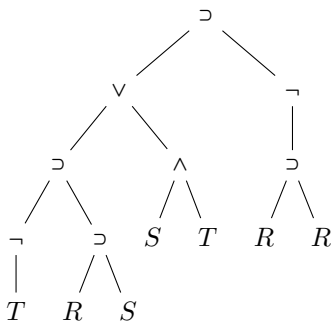
49.  $[(R \supset R) \vee \neg(P \wedge Q)] \vee [\neg T \wedge (R \vee Q)]$



50.  $\neg\{[(T \wedge T) \supset (Q \vee T)] \vee [(T \supset T) \vee \neg T]\}$

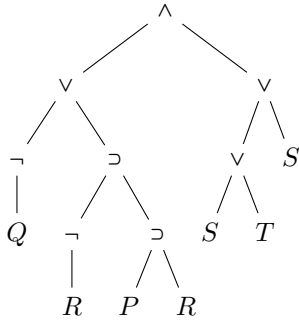


51.  $\{[\neg T \supset (R \supset S)] \vee (S \wedge T)\} \supset \neg(R \supset R)$

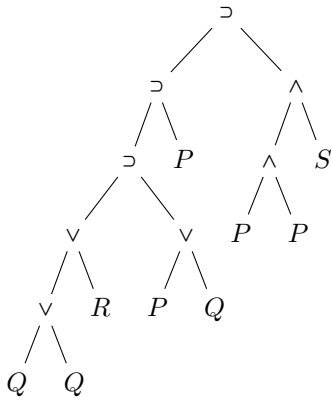




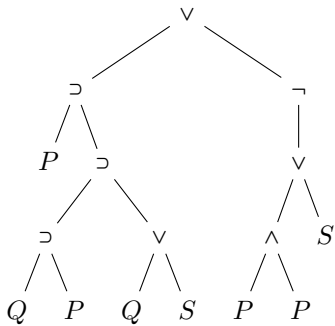
52.  $\{\neg Q \vee [\neg R \supset (P \supset R)]\} \wedge [(S \vee T) \vee S]$



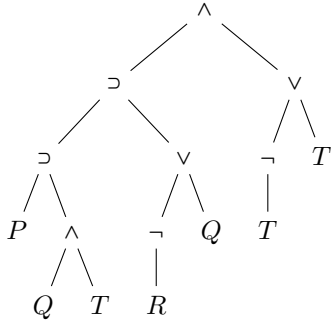
53.  $\left(\{[(Q \vee Q) \vee R] \supset (P \vee Q)\} \supset P\right) \supset [(P \wedge P) \wedge S]$



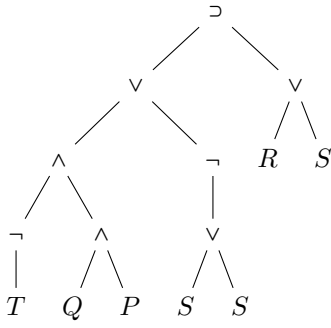
54.  $\{P \supset [(Q \supset P) \supset (Q \vee S)]\} \vee \neg[(P \wedge P) \vee S]$



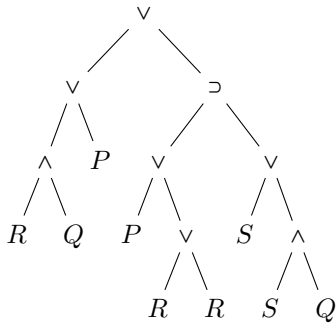
55.  $\{[P \supset (Q \wedge T)] \supset (\neg R \vee Q)\} \wedge (\neg T \vee T)$



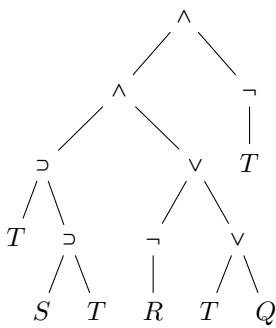
56.  $\{[\neg T \wedge (Q \wedge P)] \vee \neg(S \vee S)\} \supset (R \vee S)$



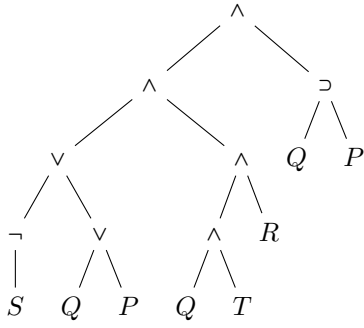
57.  $[(R \wedge Q) \vee P] \vee \{[P \vee (R \vee R)] \supset [S \vee (S \wedge Q)]\}$



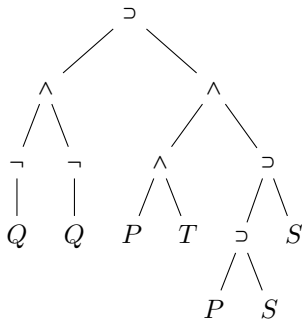
58.  $\{[T \supset (S \supset T)] \wedge [\neg R \vee (T \vee Q)]\} \wedge \neg T$



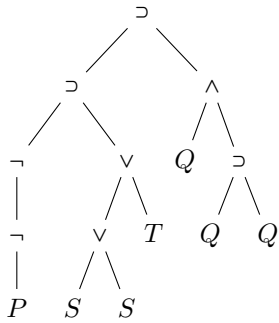
59.  $\{[\neg S \vee (Q \vee P)] \wedge [(Q \wedge T) \wedge R]\} \wedge (Q \supset P)$



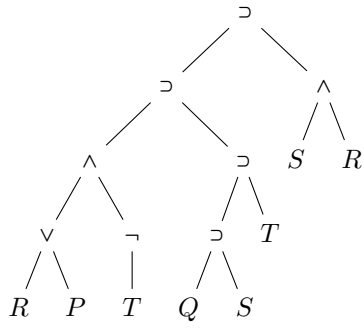
60.  $(\neg Q \wedge \neg Q) \supset \{(P \wedge T) \wedge [(P \supset S) \supset S]\}$



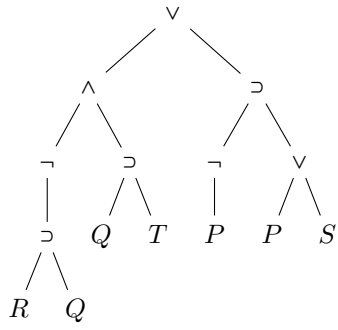
61.  $\{\neg\neg P \supset [(S \vee S) \vee T]\} \supset [Q \wedge (Q \supset Q)]$



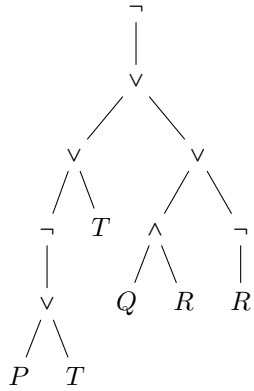
62.  $\{[(R \vee P) \wedge \neg T] \supset [(Q \supset S) \supset T]\} \supset (S \wedge R)$



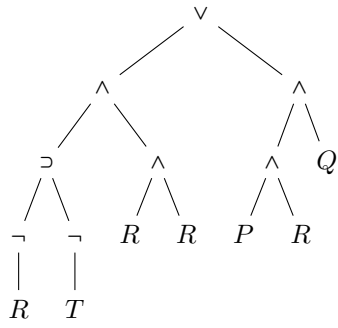
63.  $[\neg(R \supset Q) \wedge (Q \supset T)] \vee [\neg P \supset (P \vee S)]$



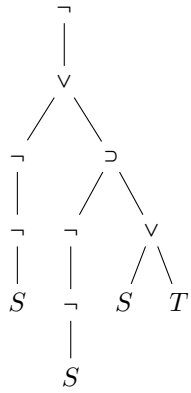
64.  $\neg\{[\neg(P \vee T) \vee T] \vee [(Q \wedge R) \vee \neg R]\}$



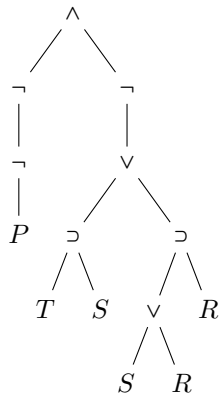
65.  $[(-R \supset \neg T) \wedge (R \wedge R)] \vee [(P \wedge R) \wedge Q]$



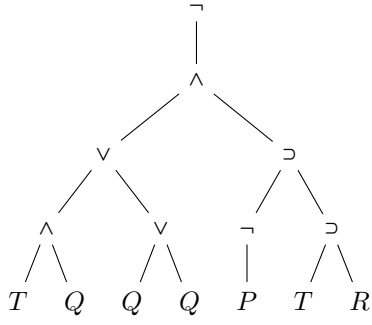
66.  $\neg\{\neg\neg S \vee [\neg\neg S \supset (S \vee T)]\}$



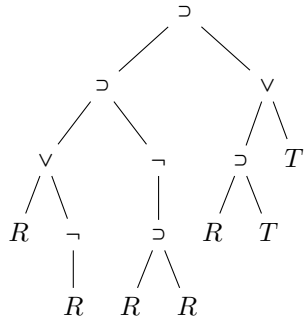
67.  $\neg\neg P \wedge \neg\{(T \supset S) \vee [(S \vee R) \supset R]\}$



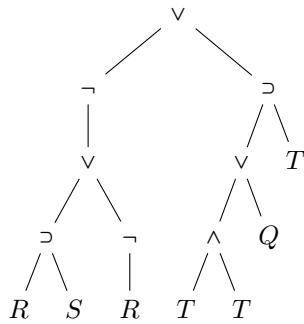
68.  $\neg\{[(T \wedge Q) \vee (Q \vee Q)] \wedge [\neg P \supset (T \supset R)]\}$



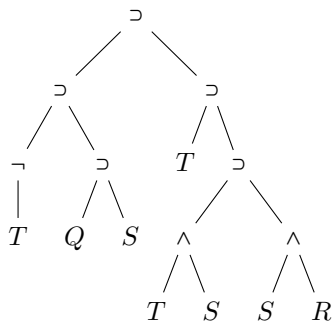
69.  $[(R \vee \neg R) \supset \neg(R \supset R)] \supset [(R \supset T) \vee T]$



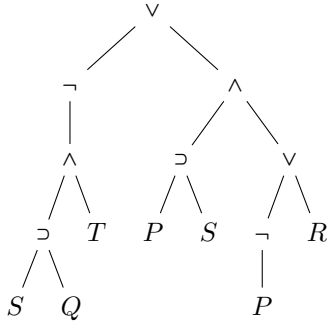
70.  $\neg[(R \supset S) \vee \neg R] \vee \{[(T \wedge T) \vee Q] \supset T\}$



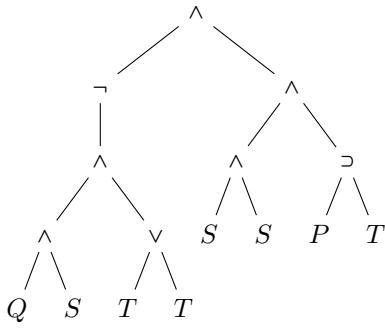
71.  $[\neg T \supset (Q \supset S)] \supset \{T \supset [(T \wedge S) \supset (S \wedge R)]\}$



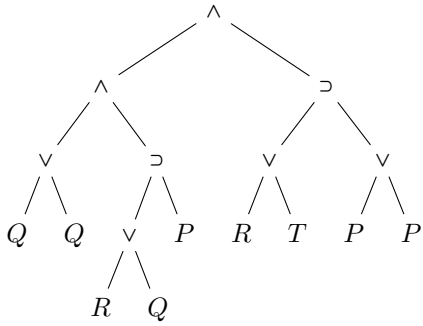
$$72. \neg[(S \supset Q) \wedge T] \vee [(P \supset S) \wedge (\neg P \vee R)]$$



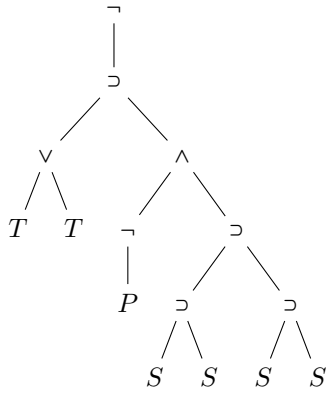
$$73. \neg[(Q \wedge S) \wedge (T \vee T)] \wedge [(S \wedge S) \wedge (P \supset T)]$$



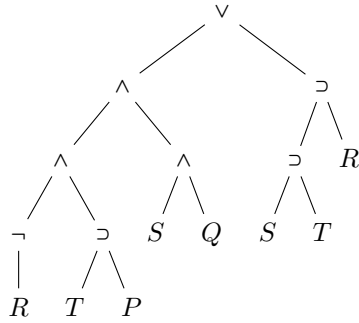
$$74. \{(Q \vee Q) \wedge [(R \vee Q) \supset P]\} \wedge [(R \vee T) \supset (P \vee P)]$$



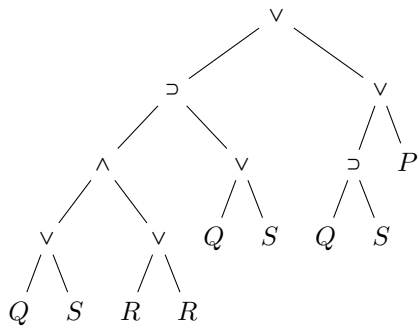
$$75. \neg((T \vee T) \supset \{\neg P \wedge [(S \supset S) \supset (S \supset S)]\})$$



76.  $\{[\neg R \wedge (T \supset P)] \wedge (S \wedge Q)\} \vee [(S \supset T) \supset R]$

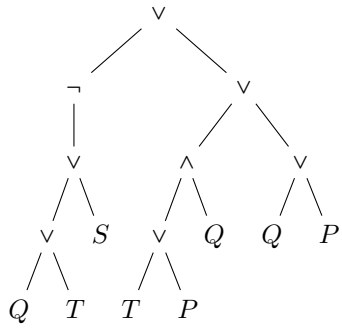


77.  $\{[(Q \vee S) \wedge (R \vee R)] \supset (Q \vee S)\} \vee [(Q \supset S) \vee P]$

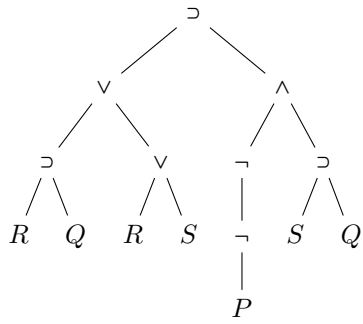


78.  $\neg[(Q \vee T) \vee S] \vee \{[(T \vee P) \wedge Q] \vee (Q \vee P)\}$

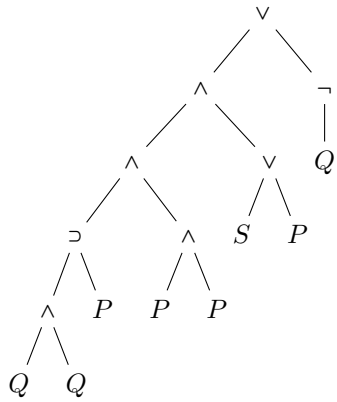




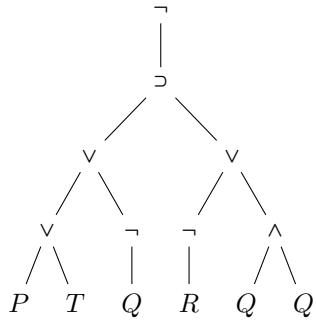
79.  $[(R \supset Q) \vee (R \vee S)] \supset [\neg\neg P \wedge (S \supset Q)]$



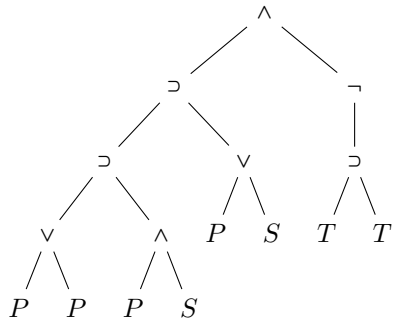
80.  $\left( \{ [(Q \wedge Q) \supset P] \wedge (P \wedge P) \} \wedge (S \vee P) \right) \vee \neg Q$



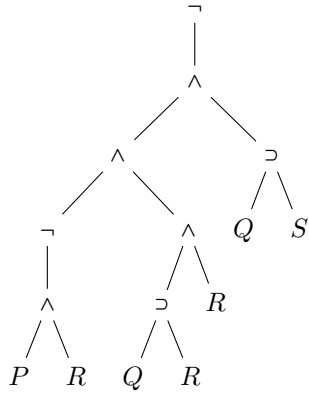
81.  $\neg\{[(P \vee T) \vee \neg Q] \supset [\neg R \vee (Q \wedge Q)]\}$



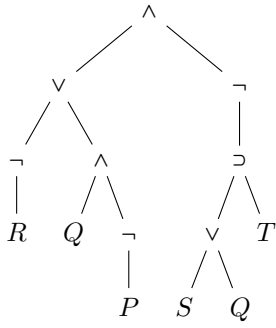
82.  $\{[(P \vee P) \supset (P \wedge S)] \supset (P \vee S)\} \wedge \neg(T \supset T)$



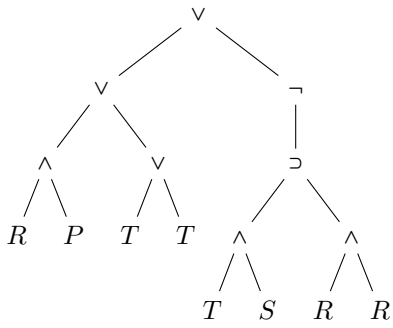
83.  $\neg(\{\neg(P \wedge R) \wedge [(Q \supset R) \wedge R]\} \wedge (Q \supset S))$



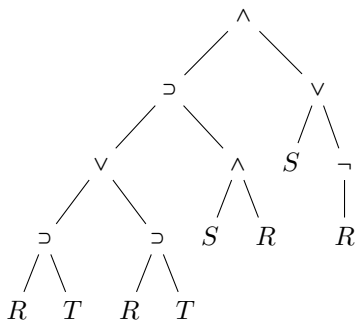
84.  $[\neg R \vee (Q \wedge \neg P)] \wedge \neg[(S \vee Q) \supset T]$



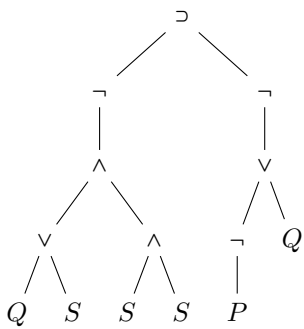
85.  $[(R \wedge P) \vee (T \vee T)] \vee \neg[(T \wedge S) \supset (R \wedge R)]$



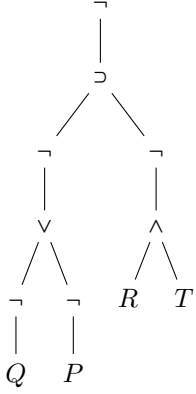
86.  $\{[(R \supset T) \vee (R \supset T)] \supset (S \wedge R)\} \wedge (S \vee \neg R)$



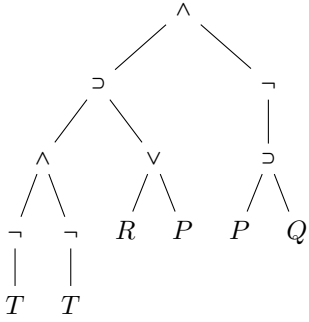
87.  $\neg[(Q \vee S) \wedge (S \wedge S)] \supset \neg(\neg P \vee Q)$



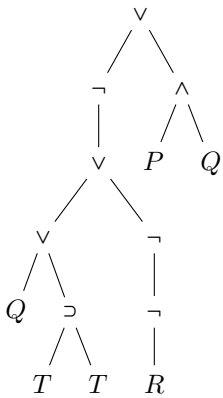
88.  $\neg[\neg(\neg Q \vee \neg P) \supset \neg(R \wedge T)]$



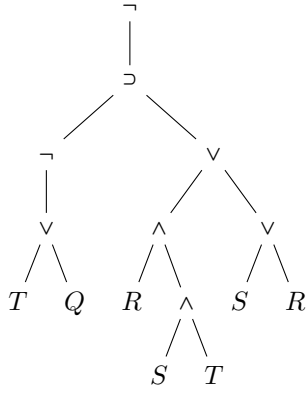
89.  $[(\neg T \wedge \neg T) \supset (R \vee P)] \wedge \neg(P \supset Q)$



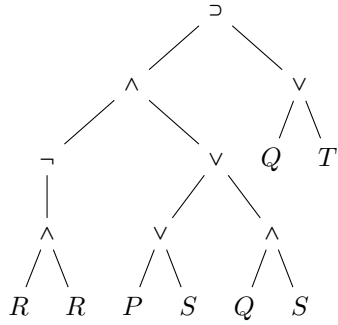
90.  $\neg\{[Q \vee (T \supset T)] \vee \neg\neg R\} \vee (P \wedge Q)$



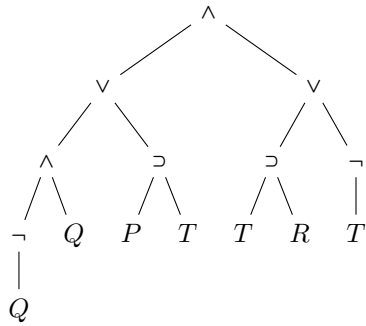
91.  $\neg\left(\neg(T \vee Q) \supset \{[R \wedge (S \wedge T)] \vee (S \vee R)\}\right)$



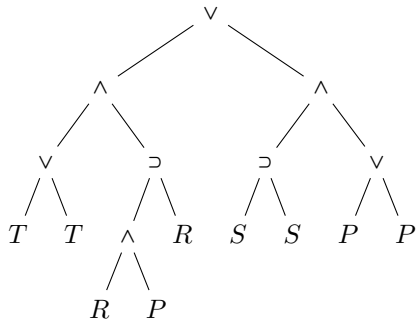
92.  $\{\neg(R \wedge R) \wedge [(P \vee S) \vee (Q \wedge S)]\} \supset (Q \vee T)$



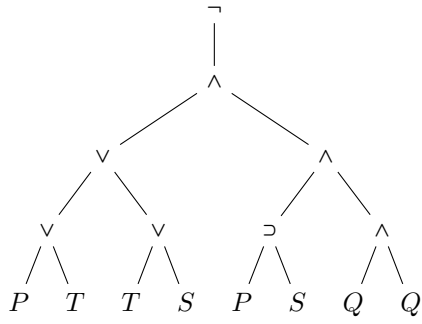
93.  $[(-Q \wedge Q) \vee (P \supset T)] \wedge [(T \supset R) \vee \neg T]$



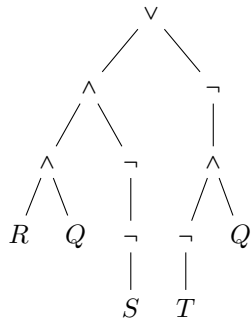
94.  $\{(T \vee T) \wedge [(R \wedge P) \supset R]\} \vee [(S \supset S) \wedge (P \vee P)]$



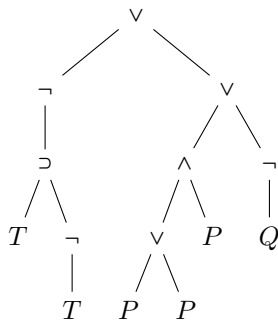
95.  $\neg\{[(P \vee T) \vee (T \vee S)] \wedge [(P \supset S) \wedge (Q \wedge Q)]\}$



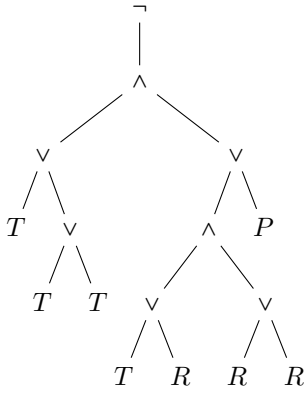
96.  $[(R \wedge Q) \wedge \neg\neg S] \vee \neg(\neg T \wedge Q)$



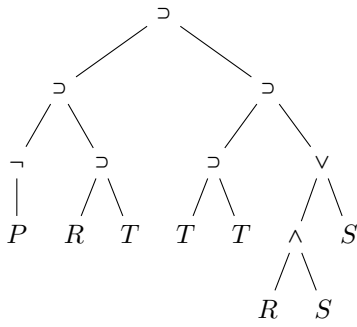
97.  $\neg(T \supset \neg T) \vee \{[(P \vee P) \wedge P] \vee \neg Q\}$



98.  $\neg([T \vee (T \vee T)] \wedge \{[(T \vee R) \wedge (R \vee R)] \vee P\})$



99.  $[\neg P \supset (R \supset T)] \supset \{(T \supset T) \supset [(R \wedge S) \vee S]\}$



100.  $[(Q \supset P) \vee P] \supset \{[(P \supset R) \supset T] \wedge \neg \neg S\}$

