

Worksheet F
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1. Claim: Given the premises $P \vee Q, \neg Q, P \rightarrow R, S \wedge R \rightarrow W$ it is the case that $S \rightarrow W$ follows.
Prove or disprove the claim.
2. Claim: Given the premises $\neg P, S, P \vee \neg Q, P \vee Q \vee (R \wedge S)$ it is the case that $\neg P \wedge R$ follows.
Prove or disprove the claim.
3. Claim: Given the premises $B \vee (C \rightarrow E), B \rightarrow D, \neg D \rightarrow (E \rightarrow A), \neg D$ it is the case that $C \rightarrow A$ follows.
Prove or disprove the claim.
4. Claim: Given the premises $B \vee C \rightarrow B \wedge A, \neg B$ it is the case that $\neg C \vee D$ follows.
Prove or disprove the claim.