Spring 2003

Good luck!

- 1. Construct the truth table for A \wedge B \leftrightarrow B ' \vee A ' .
- 2. Prove that the argument (P \vee Q) \wedge P' \rightarrow Q is valid. Justify your steps.
- 3. Find an interpretation in which $\forall x \forall y \ [P(x,y) \rightarrow P(y,x)].$