**(!B||!D||A)**

**(!C||!E||D)**

**C**

**(E||F)**

**B**

**!A**

**!(alpha)**

**!F**

**(!B||A||!C||!E)**

**!E||D**

**E**

**!D||A**

**D**

**A**

**PROOF BY CONTRADICTION:**

**A ^ !A**

**CANNOT BE TRUE AT THE SAME TIME.**