

Proof by contradiction

Want to show that p is true

Plan: Show $\neg p \rightarrow q$ is true

Show $q \equiv F$ is contradiction

Deduce p is true

p	q	$\neg p$	$\neg p \rightarrow q$
T	T	F	T
T	F	F	F
F	T	T	T
F	F	T	T