

Class 2: Proof Methods

Contrapositive:

$$\frac{P \implies Q}{\text{NOT}(Q) \implies \text{NOT}(P)} \qquad \frac{\text{NOT}(Q) \implies \text{NOT}(P)}{P \implies Q}$$

Theorem to Prove: If the product of x and y is even, at least one of x or y must be even.