

NOT X ($\neg X$)

$\neg X$ is True if and only if X is False.

Can we simplify these?

- ▶ $\neg (A \text{ OR } B)$
- ▶ $\neg (A \text{ AND } B)$
- ▶ $\neg (\text{IF } A \text{ THEN } B)$
- ▶ $\neg (A \text{ XOR } B)$