

## 1 Conditional Connectives

- $p \rightarrow q$  is logically equivalent to  $\neg(p \wedge \neg q)$ .

Construct the truth table for the proposition  $p \rightarrow q$ .

p	q	$p \rightarrow q$	$q \rightarrow p$
0	0	1	1
0	1	1	0
1	0	0	1
1	1	1	1