

### 2.12.1. Semantic Problems: Bad Truth Tables

For each of the following **bad truth tables**, explain what **mistake** has been made in its construction.

☠ Bad Truth Table 1 ☠

P	Q
1	1
1	0

Mistake:

☠ Bad Truth Table 2 ☠

P	Q
1	0
1	0
0	1
0	1

Mistake:

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☠ Bad Truth Table 3 ☠

P	Q
1	1
1	1
0	0
0	0

Mistake:

☠ Bad Truth Table 4 ☠

P	Q	R
1	1	1
1	1	0
1	0	1
0	0	0
0	1	1
0	1	0

Mistake: