

Programming Logic

Lesson 1

1. Fill the tables with the correct answers.

a. NOT

| A | \bar{A} |
|---|-----------|
| 0 | 1 |
| 1 | 0 |

b. AND

| A | B | $A \wedge B$ |
|---|---|--------------|
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

c. OR

| A | B | $A \vee B$ |
|---|---|------------|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

d. XOR

| A | B | $A \text{ XOR } B$ |
|---|---|--------------------|
| 0 | 0 | 0 |
| 1 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 1 | 0 |