



Activity 14



Ahmed is learning about logical operators in compound conditionals. Complete the truth tables for the logical operators.

Truth table for the "AND" logical operator:

(conditional statement A) AND (conditional statement B)

| Result of conditional statement A | Result of conditional statement B | Result of compound conditional statement for "AND" |
|-----------------------------------|-----------------------------------|--|
| False | False | |
| False | True | |
| True | False | |
| True | True | |

Truth table for the "OR" logical operator:

(conditional statement A) OR (conditional statement B)

| Result of conditional statement A | Result of conditional statement B | Result of compound conditional statement for "OR" |
|-----------------------------------|-----------------------------------|---|
| False | False | |
| False | True | |
| True | False | |

Truth table for the "NOT" logical operator:

| Result of conditional statement A | Result of conditional statement NOT (A) |
|-----------------------------------|---|
| False | |
| True | |