

Section 1.6: Validity of Arguments

An argument is a series of statements (premises) that support a valid (or invalid) conclusion.

Example of an Argument

Major Premise: If you go to the game, then you will have a good time.

Minor Premise: You went to the game.

Conclusion: There for you had a good time.

Write each part of the argument in symbolic logic.

Major premise:

Minor premise:

Conclusion:

To test for argument validity, create a truth table for: $((P \rightarrow Q) \wedge P) \rightarrow Q$

Is the argument below a valid or invalid argument?

If you love me, then you will buy me a diamond.

You did not buy me a diamond.

Therefore, you do not love me.

Forms of Valid Arguments

1.

2.

Forms of Invalid Arguments

1.

2.