

Problem-Set 1.2: Arguments and Validity

Validity and its Implications Which of the following are true, and which are false? Explain your answers, giving examples where appropriate.

1.1 Every argument that has Whatever will be, will be as a conclusion is logically valid.

1.2 Every argument that has Everyone is a scoundrel and Im no scoundrel as a conclusion is logically invalid.

1.3 Any argument that includes among its premises Everyone is a scoundrel and Im no scoundrel is logically valid.

Logical truths and validity Answer the following questions:

2.1 Suppose that an argument has a premise that is tautological. Must the argument be logically valid? Explain

2.2 Suppose that an argument has a premise that is logically equivalent to a contradiction. Must the argument be logically valid? Explain.

2.3 Suppose that an argument has a logically true sentence as its conclusion. Explain why the argument must be valid no matter what its premises are. Explain why some such arguments are sound and some are not.