

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 'it is what it is' as a conclusion is logically valid.
- 1.2 Every argument that has 'everyone is a jerk but I am not a jerk' as a conclusion is logically invalid.
- 1.3 Any argument that includes among its premises 'everyone is a jerk' and 'Im not a jerk' 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.