A DEDUCTIVE ARG is valid (in form) if and only if: Given, for sake of argument, the premises are true, it is impossible for the conclusion to be false (i.e., the conclusion must be true).

A DED. ARG is SOUND if and only if:
1. It is valid in form AND
2. All premises are TRUE (statements).

Strength and Cogency are attributes of INDUCTIVE ARGUMENTS.

An IND. ARG. is STRONG (vs. WEAK) if and only if: Given (for sake of ARG.) that the premises are TRUE, it follows that the conclusion is probably true.

An IND. ARG. is COGENT if and only if it is STRONG and (b) all the premises are TRUE.

to be continued Mon.

A Truth is an attribute of STATEMENTS.

Validity & Soundness are attributes of DEDUCTIVE ARGS.

PHI 2100 - 53520 // LOGIC
Fri. 9-14-07
23 students

NOTES:
A Test "moved" to Wed. 9/19/07!

I called roll - in addition to passing the roll sheet.

Look for "On-Line Quiz" Box on LOGIC MAINPAGE of my TCC WEB PAGE. Take Practice Quiz 01-FAIL07" twice (if you wish). Before Class Men - it possible - At least before the TEST on WED.

§1.3: Finish "Deductive Forms," p. (32)

A Disjunctive Syllogism (DS) VALID in Form.

"disjunction" = "or" "conjunction" = "and"

P or Q; (x true)

Not P. (is true)

Q.

Example. §1.3: p. 38: #1:12

G = Classical Culture orig. in Greece

E = """""""""" Egypt

G.

The arg is deductive. It is a DS.

B Inductive Forms "6 forms. Read on your own and ask questions Mon.

§1.4 Truth Validity, Soundness Strength, Cogency.

Truth is an attribute of STATEMENTS.

Validity & Soundness are attributes of DEDUCTIVE ARGS.