Discussion about the transition period from Community College to University.

On-line Quiz #04: Due before class Fri. (10/12).

Section 4.4 — Contraposition, (p. 204)

Contrapositive

Process "Swap & complement."

A: All S are P. \(\rightarrow\) All non-P are non-S.
E: No S are P. \(\rightarrow\) No non-P are non-S.
I: Some S are P. \(\rightarrow\) Some non-P are non-S.
O: Some S are not P. \(\rightarrow\) Some non-P are not non-S.

Check for Preservation of Truth Value. (Boolean)

A: Simp.

All S are P. \(\rightarrow\) All (non-P are non-S).

Contraposition preserves Truth Value for A-statements.
A. Contrap does preserve TV for φ-Studs.

Summary:

Preserves TV: Contrap.

[Diagram]

BIG SUMMARY of "BIG 3".

[Diagram]

Exercise 4.4: p. 207: I.

Start: Op Result: TV.

1. Some A are B. (T) contrap Some non-B are non-A. (T)

2. Some A are not non-B. (T) obv. Some A are B. (T)