

Logic Homework – Day Eight

BRADLEY RETTLER

FEBRUARY 23, 2016

Due 2/25: Section 4.1: I: 2, 3. II: 2, 3, 8. III: 2, 5, 8. IV: 2, 5.

Section 4.1: I: 2. Major: insects that should be killed. Minor: dragonflies. Middle: insects that eat mosquitos. Mood: EAE. Figure: 1. Boolean: Valid. Aristotelian: Valid.

Section 4.1: I: 3. Major: environmentally produced diseases. Minor: psychological disorders. Middle: inherited afflictions. Mood: EOI. Figure: 2. Boolean: Invalid. Aristotelian: Invalid.

Section 4.1: II: 2.

No K are Y.

Some Y are L.

Therefore, some L are not K.

EIO, Figure 4. Valid in both.

Section 4.1: II: 3.

All R are M.

No P are R.

Therefore, some P are M.

AEI, Figure 1. Invalid in both.

Section 4.1: II: 8.

Some H are not S.

No H are R.

Therefore, some R are not S.

OEO, Figure 3. Invalid in both.

Section 4.1: III: 2.

No Gs are Hs.

Some Hs are Fs.

All Fs are Gs.

Section 4.1: III: 5.

All Gs are Hs.

Some Fs are not Hs.

Some Fs are not Gs.

Section 4.1: III: 8.

No Gs are Hs.

All Fs are Hs.

Some Fs are not Gs.

Section 4.1: IV: 2.

All lockstep ideologues are people incapable of objectivity.

Some Supreme Court justices are lockstep ideologues.

Some Supreme Court justices are people incapable of objectivity.

Section 4.1: IV: 5.

No legally enforceable documents are guarantees of marital happiness.

All prenuptial agreements are legally enforceable documents.

No prenuptial agreements are guarantees of marital happiness.