

PHILOSOPHY 210

(PELLETIER, Fall 2007)

Assignment #5

Directions: Answer all questions. This HW is worth 8-1/3% of your grade.

The HW is due *in class* (beginning) on 16 November (Friday). No late assignments -- if you are not finished, turn in what you have for partial marks. I would appreciate it very much if you would do your work independently. Write neatly, staple your pages together, and please put your **name and student ID** on the HW.

Part I: Translate the following sentences into PL notation, using the given scheme of abbreviation.

1. There is a place in this company suitable for either George or Harry, though not for both. (UD: everything; Pxy: x is a place in y; Sxy: x is suitable for y; c: this company; g: George; h: Harry)
2. Everyone who was invited to the wedding by the bride attended, but some people who were invited by a sister of the bride didn't. (UD: everything; Px: x is a person; Axy: x attended y; Ixyz: x was invited to attend y by z; S: x is a sister of y; d: the wedding; b: the bride)
3. Some people always get what they aim for. (UD: everything; Px: x is a person; Tx: x is a time; Gxy: x gets y at (time) z; A: x aims for y at (time) z)
4. Any friend of Minnesota Fats ain't no friend of mine. (UD: everything; Fxy: x is a friend of y; m: Minnesota Fats; i: me)
5. No one will ever see a picture more beautiful than this one. (UD: everything; Px: x is a person; C: x is a picture; Tx: x is a time; Bxy: x is more beautiful than y; Sxyz: x sees y at (time) z; t: this picture)

Part II: A little review practice in SD+. Construct derivations for the following in SD+.

6. $\sim(A \equiv B) \vdash (\sim(A \& \sim B) \supset \sim(B \supset A))$
7. BMN p228 #4 part d. (The definition of *equivalent* is given on p. 187)

Part III: Informal semantics for PL.

8. BMN 8.1E (pp. 378-379): #1h; #4d; #7b,h; #9d
9. BMN 8.2E (pp. 387-388): #4b
10. BMN 8.3E (pp. 392-393): #1b
11. BMN 8.4E (pp. 396-399): #2d,h; #3b,f