

Philosophy 1115 Homework #2 Solutions

February 27, 2016

Page 19: Exercises 1, 3, 5 & 12.

1. *E*: Van Gogh's pictures are the world's most valuable.
P: Van Gogh's pictures are the world's most profound.
Final symbolization: $E \& \sim P$.

3. Same lexicon as in (1).
Final symbolization: $\sim E \& \sim P$.

5. *D*: Digital computers can simulate every aspect of human intelligence.
N: Neural networks can simulate every aspect of human intelligence.
E: Digital computers can simulate some aspects of human intelligence.
O: Neural networks can simulate some aspects of human intelligence.
Final symbolization: $(\sim D \& \sim N) \& (E \& O)$.

12. *R*: It rains.
P: It pours.
Final symbolization: $R \rightarrow P$. [Also acceptable: anything equivalent in LSL, since the form is not obvious from the English sentence. Note: *meaning always trumps form* — when the two come into conflict, as in this case.]

Page 26: Exercises 2, 4, 6 & 16.

2. *T*: It is Tuesday.
B: It is Belgium.
L: I'm lost.
Final symbolization: $(T \& \sim B) \rightarrow L$.

4. *D*: The economy declines.
C: There is a change of leadership.
R: There will be a recession.
Final symbolization: $D \rightarrow (\sim C \rightarrow R)$. [Also acceptable: $D \rightarrow (C \vee R)$]

6. *A*: Applicants may examine their dossiers.
W: Applicants have already waived their right to examine their dossiers.
R: Applicants' referees approve of the applicants examining their dossiers.
Final symbolization: $A \rightarrow (\sim W \& R)$.

16. *R*: There is a right to smoke in public.
H: Smoking in public significantly affects the health of others.
Final symbolization: $(R \rightarrow \sim H) \& \sim \sim H$. [Note: we want to stay as close to the English *form* as possible.]

Page 33: Exercises 1, 5, 10 & 12.

1. *G*: The government rigs the election.
R: There will be riots.
V: The government is guaranteed victory.
Final symbolization (argument): $G \rightarrow R, \sim G \rightarrow V, \sim G \rightarrow \sim V \therefore R$

5. *K*: I know I exist.
E: I exist.
H: I think.
N: I know I think.
Final symbolization (argument): $K \rightarrow E, (N \rightarrow K) \& (H \rightarrow N), H \therefore E$

10. *N*: At least two contestants enter.
C: There will be a contest.
W: There will be a winner.
E: All contestants perform equally well.
L: There is a loser.
Final symbolization (argument): $\sim N \rightarrow \sim C, \sim C \rightarrow \sim W, E \rightarrow \sim W, \sim L \leftrightarrow \sim W \therefore L \rightarrow (N \& \sim E)$

12. *D*: The Mayor is defeated.
S: Council members are involved in a financial scandal.
U: The urban middle class supports the Mayor.
Final symbolization (argument): $\sim D \rightarrow U, U \rightarrow \sim S \therefore D \leftrightarrow S$