11. EXERCISES FOR CHAPTER 7

Directions: Using the suggested abbreviations (the capitalized words), translate each of the following into the language of predicate logic.

EXERCISE SET A

1. Everyone RESPECTS JAY.
2. JAY RESPECTS everyone.
3. Someone RESPECTS JAY.
4. JAY RESPECTS someone.
5. Someone doesn't RESPECT JAY.
6. There is someone JAY does not RESPECT.
7. No one RESPECTS JAY.
8. JAY RESPECTS no one.
9. JAY doesn't RESPECT everyone.
10. Not everyone RESPECTS JAY.
11. Everyone RESPECTS everyone.
12. Everyone is RESPECTED by everyone.
13. Everyone RESPECTS someone (or other).
14. Everyone is RESPECTED by someone (or other).
15. There is someone who RESPECTS everyone.
16. There is someone who is RESPECTED by everyone.
17. Someone RESPECTS someone.
18. Someone is RESPECTED by someone.
19. Every event is CAUSED by some event or other (U=events).
20. There is some event that CAUSES every event.
EXERCISE B
21. There is no one who RESPECTS everyone.
22. There is no one who is RESPECTED by everyone.
23. There is someone who RESPECTS no one.
24. There is someone whom no one RESPECTS.
25. Not everyone RESPECTS everyone.
26. Not everyone is RESPECTED by everyone.
27. Not everyone RESPECTS someone or other.
28. Not everyone is RESPECTED by someone or other.
29. There is no one who doesn't RESPECT someone or other.
30. There is no one who isn't RESPECTED by someone or other.
31. There is no one who doesn't RESPECT everyone.
32. There is no one who isn't RESPECTED by everyone.
33. There is no one who isn't RESPECTED by at least one person.
34. There is no one who RESPECTS no one.
35. There is no one who is RESPECTED by no one.
36. There is no one who doesn't RESPECT at least one person.
37. For any person there is someone he/she doesn't RESPECT.
38. For any person there is someone who doesn't RESPECT him/her.
39. For any event there is an event that doesn't CAUSE it. (U=events)
40. There is no event that is not CAUSED by some event or other.

EXERCISE SET C
41. Every FRESHMAN RESPECTS someone or other.
42. Every FRESHMAN IS RESPECTED BY someone or other.
43. Everyone RESPECTS some FRESHMAN or other.
44. Everyone is RESPECTED by some FRESHMAN or other.
45. There is some FRESHMAN who RESPECTS everyone.
46. There is some FRESHMAN who is RESPECTED by everyone.
47. There is some one who RESPECTS every FRESHMAN.
48. There is some one who is RESPECTED by every FRESHMAN.
49. There is no FRESHMAN who is RESPECTED by everyone.
50. There is no one who RESPECTS every FRESHMAN.