Predicate Logic Translation Exercises

1. Everything is bitter or sweet.
2. Either everything is bitter or everything is sweet.
3. A whale is a mammal

\*interpretation: “A whale” is an abstraction of the category of whales. Therefore, this requires a universal quantifier.

1. Theodore is a whale
2. Mary Ann has a new bicycle
3. This man owns a big car
4. Everybody loves somebody
5. There is somebody who is loved by everyone
6. Elsie did not get anything from Charles
7. Lynn gets some present from John, but she doesn’t get anything from Peter
8. Somebody stole or borrowed Mary’s new bike
9. You have eaten all my cookies
10. Nobody is loved by no one
11. If all logicians are smart, then Alfred is smart too
12. Some men and women are not mature
13. Barking dogs don’t bite
14. If John owns a dog, he has never shown it to anyone
15. Harry has a beautiful wife, but she hates him
16. Nobody lives in Urk who wasn’t born there
17. John borrowed a book from Peter but hasn’t given it back to him
18. Some people are nice to their bosses even though they are offended by them
19. Someone who promises something to somebody should do it
20. People who live in Amherst or close by own a car
21. If you see anyone, you should give no letter to her
22. If Pedro owns donkeys, he beats them
23. Someone who owns no car does own a motorbike
24. If someone who cannot make a move has lost, then I have lost
25. Someone has borrowed a motorbike and is riding it
26. Someone has borrowed a motorbike from somebody and didn’t return it to her
27. If someone is noisy, everybody is annoyed
28. If someone is noisy, everybody is annoyed at him