Worksheet Exercise 3.3.B.
Categorical Translations

Part B. For each of these sentences, (1) in the large blank, rewrite the sentence so that it is in categorical form; (2) put brackets "[ ]" around the subject term and the predicate term; (3) in the small blank, symbolize the sentence, using the indicated capital letters for the bracketed terms. (These are a bit more difficult.)

1. Whosoever loves gold, loves death. (G, D)

2.* Whatever you do, you cannot stop time. (A, S)

3. Insects exist everywhere. (P, I)

4. There are people who think they are divine. (P, T)

5.* Bureaucrats never work. (B, W)

6. Sometimes people are nasty. (P, N)

7.* People are sometimes nasty. (P, N)

8. Forgeries were found in the Art Institute. (F, A)

9. Not anyone showed up. (P, S)

10. A picture is worth a thousand words. (P, W)

11. Forgeries are fake works intended for deception. (F,W)

12. A statue of a sitting mermaid stands by the harbor. (M,S)

13. A statue of a sitting mermaid is delightful. (M, D)

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14.*There are things that do not breathe that need oxygen. (B,O) 

15. A group of people barged into the office. (P, B) 

16. No rare books are without value. (R, V) 

17.*Only senior executives have executive pension plans. (S,P) 

18. Only professionals are ineligible. (P, E) 

19. Only non-professionals are eligible. (P, E) 

20.*Whenever the lights go out, things get real quiet. (T,Q) 

21.*Well of course, all snakes are not poisonous. (S, P) 

22. There are no good deeds that go unpunished. (G,P) 

23. Cars that do not use gasoline exist. (C, U) 

24.*Undetectable physical things do not exist. (P, D) 

Answers to the starred problems of Part B.

2. All [actions] are [not able to stop time].
   All A are (not S) 
5. No [bureaucrats] are [workers].
   No B are W 
7. All [persons] are [sometimes nasty].
   All P are N 
14. Some [things that do not breathe] are [oxygen needers].
   Some non-B are O 
17. All [holders of executive pension plans] are [senior executives].
   All P are S 
20. All [times when the lights go out] are [times things get quiet].
   All T are Q 
21. Not all snakes are poisonous.
   ~(all S are P) 
24. No [physical things] are [un-detectable].
   No P are non-D