

Exercises to 3.1 *General and singular terms*

(1) *Is each of the following terms general or singular?*

- 1) older than John
- 2) the brother of Alice
- 3) a brother of Alice
- 4) Bulgaria
- 5) a prime minister
- 6) the prime minister
- 7) a friend of the prime minister
- 8) the friend of a prime minister
- 9) the fat man at the door
- 10) the assassin of a president of the United States of America

(2) *Symbolize the following sentences. In each case, explicitly state the interpretation of the predicate letters and constants used.*

- 1) The abbot of the monastery is old and wise.
- 2) Alcibiades respects Socrates.
- 3) Peter and John hate each other.
- 4) Mary does not respect Peter but she does respect John.
- 5) What he said now is trustworthy but what he said earlier is not.
- 6) Romeo and Juliet are in love with each other.
- 7) Peter and John are brothers of Alice and Mary respectively.
- 8) Mary is pretty but Alice is prettier.
- 9) The rescuer found the child frozen and dehydrated.
- 10) Although Alice and Bob love each other, they hurt each other.
- 11) Oedipus is both Jocasta's son and husband, and she is both his mother and wife.
- 12) Mary is the young and beautiful, but not happy, wife of Peter.
- 13) If Peter hasn't bought the car from John, he has bought it from Paul.
- 14) K2 is higher than Broad Peak but both are lower than Everest.
- 15) If the lake is to the west of the mountain and the village is to the west of the lake, then the mountain is to the east of the village.
- 16) Bob is neither Alice's son or brother but she loves him more than herself.
- 17) If John didn't recognize this man, he either haven't met him before or he has a poor memory.

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- 18) If John respects himself, he will deceive neither his family nor his friends.
- 19) If Peter is not with his wife, he feels lonely, and if he is with her, she annoys him.
- 20) Grandpa exchanged the cow for two hens, and then he exchanged for a bag of plums, but Grandma was not angry with him either for the cow or for the hens.