

Second Translation Exercise

Name:

E-mail:

Translate the following English sentences into Propositional Logic. Use ">" for the horseshoe and "iff" for the triplebar.

1. He hated both man and beast.

2. It is not true that he hated both man and beast.

3. If it is false that he hated man, then he didn't hate beast

4. He hated neither man nor beast.

5. It is not the case that either he hated man or he hated beast.

6. He didn't hate man or he didn't hate beast.

7. He hated man or beast, but not both.

8. His hating man is a sufficient condition of his hating beast.

9. He hated man only if he hated beast.

10. He hated man if he hated beast.

11. If Paul lodges a complaint, then Beth will investigate and Tom will be disqualified.

12. If Paul lodges a complaint then Beth will investigate, and Tom will be disqualified.

13. If Paul lodges a complaint then either Beth will investigate or Tom will be disqualified.

14. If Paul lodges a complaint and Beth investigates, then Tom will be disqualified.

15. If either Paul lodges a complaint or Beth investigates, then Tom will be disqualified.

[Check your answers after submitting!](#)