

# Principles of Artificial Intelligence

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Problem set 1 Fall 2009

Due September 16, 2009

Note: The problems marked with \*\* are targeted primarily to students enrolled in ComS 572. Others are of course encouraged to solve such problems for extra credit. Do not hesitate to consult with the instructor or the TA if you have any questions.

1. (10 pts.) Solve problem 1.2 from the Russell and Norvig text.
2. (10 pts.) Solve problem 1.9 from the Russell and Norvig text.
3. (10 pts.) Solve problems 1.11, 1.12, 1.13 from the Russell and Norvig text.
4. (10 pts.) Solve problem 2.3 from the Russell and Norvig text.
5. (10 pts.) Solve problem 2.4 from the Russell and Norvig text.
6. (10 pts.) Solve problem 2.5 from the Russell and Norvig text.
7. (10 pts.) Solve problem 2.6 from the Russell and Norvig text.
8. \*\* (10 pts.) Solve problem 1.3 from the Russell and Norvig text.
9. \*\* (10 pts.) Solve problem 1.4 from the Russell and Norvig text.
10. \*\* (20 pts.) Solve problem 1.7 from the Russell and Norvig text.