

Assignment 3

Jesus A. Gonzalez

Written Assignment 2

Due Date: July 8, 2016 (before midnight)

Solving the Romania Agent Problem with Genetic Algorithms

In this assignment you will describe (you will NOT implement the solution) the steps you need to follow in order to solve the search problem of the Agent in Romania with a genetic algorithm. For your report, please follow the instructions:

1. Describe the problem
2. Provide a brief description of genetic algorithms and how you will use them to solve your problem
3. Make a diagram describing how your whole solution works
4. Define the chromosome representation describing solutions to the problem
5. Define the crossover operation for your domain and justify why it could work for your problem
6. Define the mutation operation for your domain and justify why it could work for your problem
7. Define your fitness function
8. Add a conclusions section to your report
9. Add a references section for all material that you used to complete your assignment