Psuedocode

1. Generate random population.
2. Evaluate the fitness of each individual in the population.

* Select the fittest individuals for reproduction.
* Breed new individuals through crossover and mutation operations to give birth to offspring.
* Evaluate the fitness of each individual.
* Replace the least fit population with new individuals.

1. Repeat this on each individual of the population before termination.

Fitness

The characteristics of each individual in the population will be measured to populate a fitness level. These characteristics could be measured by an individual’s health, awarded/deducted score’s or maybe their survival time .These statistics can then be compared between individuals within the world to determine the fittest.

Crossover

A genetic operator used to vary the creation of chromosomes from generation to generation.

Mutation

A genetic operator to maintain diversity within a population of genetic algorithm chromosomes.

Further thoughts:

How long will the experiments run for?