Assignment 3

Published: 2018-10-10   Due: 2018-10-19

Write an evolutionary algorithm to solve the Eight Queen puzzle.

Task 2:

Parent selection

Survivor selection

The provided python code files include:

main.py - The main program file which will be used to run your code

You will also need to use the initialization.py, evaluation.py, mutation.py, and recombination.py that you wrote for your A1 to run your program.

(5 marks) **parentSelection.py** - Write three parent selection mechanisms, multi-pointer selection (MPS), tournament selection, and random uniform selection.

(5 marks) **survivorSelection.py** - Write three survivor selection mechanisms, ($\mu+\lambda$) selection, replacement selection, and random uniform selection.

Please submit your completed **parentSelection.py and survivorSelection.py.**