**Beyond Search Homework**

1. Simulated Annealing

**function** SimulatedAnnealing(*problem*) **returns** solution state:

*current* = node with problem initial state

**loop do:**

T = 0

**if** T = 0: **return** current

// always returns initial state

2. Genetic Algorithm

*population = 1*

**function** GeneticAlgorithm(*population*, Fitness\_Function) **returns** individual: