

GeneticOptimize(Solution **S**)

```
1   Solutions Population, Best
2   Population.GenerateNextPopulation(S, NULL)
3   time = amount of time to run
4   time.countDown()
3   while(time not expired)
4       for each solution in Population do
5           score(solution)
6           Best = getBest(Population)
7           GenerateNextPopulation(Population, Best)
8   end while
```

GenerateNextPopulation(Solutions **Population**, **Best**)

```
1   if( Best = NULL)
2       for each solution in Population
3           solution = S
4   else
5       for each solution in Population
6           randomly assign riders to rideshares in solution
```