CI assignment plots:

Parameters:

nPopulation = 60

PmutationRate = 0.4

nChildren = 10

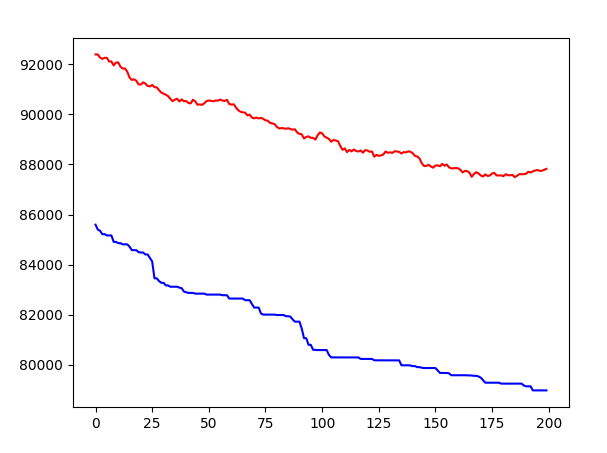
nGenerations = 200

nIterations = 10

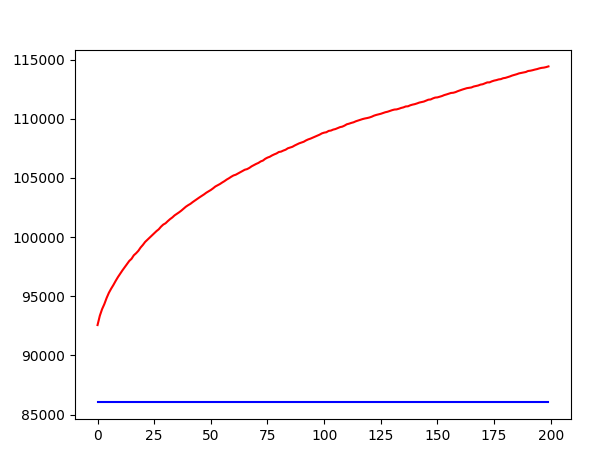
We will analyse all our algorithms combination on 200 gen, the the best combination will then be run on more generations to get the best resuls.

Red line indicates Average total distance of the path. Blue line indicates average minimum total distance of the path.

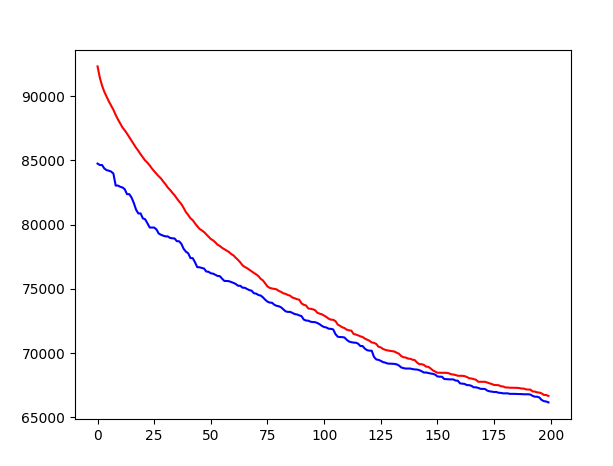
fitnessProportionalSelection with fitnessProportionalSelection (parent, new population selection)



fitnessProportionalSelection with rankbasedSelection (parent, new population selection)



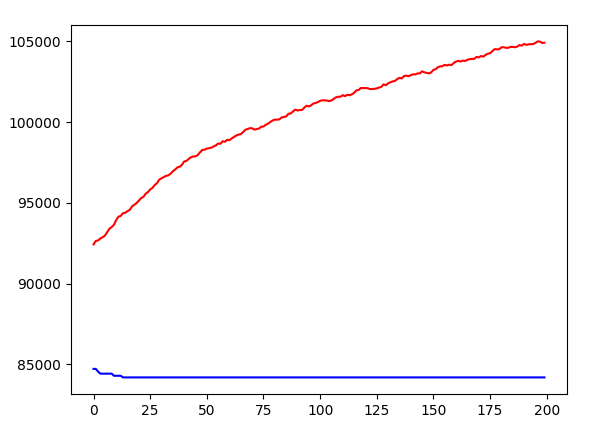
fitnessProportionalSelection with binaryTournament (parent, new population selection)



fitnessProportionalSelection with randomSelection (parent, new population selection)

fitnessProportionalSelection with randomSelection (parent, new population selection)

binaryTournament with fitnessProportionalSelection (parent, new population selection)



binaryTournament with rankbasedSelection (parent, new population selection)

binaryTournament with binaryTournament (parent, new population selection)

binaryTournament with randomSelection (parent, new population selection)