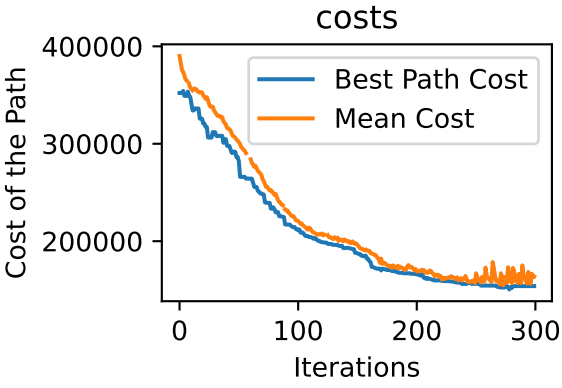
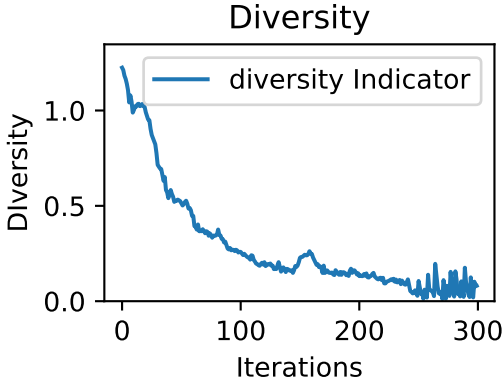
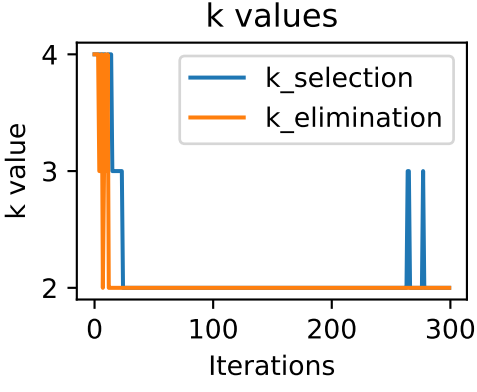
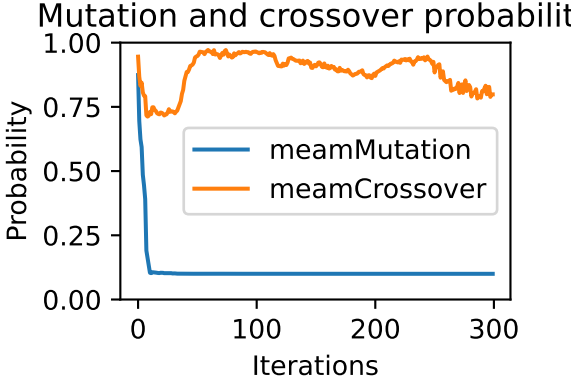

costs
Best Path Cost
Mean Cost
Cost of the Path
400000
300000
200000
0
100
200
300
Iterations


Diversity
diversity Indicator
DIversity
1.0
0.5
0.0
0
100
200
300
Iterations


k values
k_selection
k_elimination
k value
4
3
2
0
100
200
300
Iterations


Mutation and crossover probabilit
meamMutation
meamCrossover
Probability
1.00
0.75
0.50
0.25
0.00
0
100
200
300
Iterations

populationsize = 200
#selection & elimination
init_k_selection = 5
k_selection = 2
init_k_elimination = 5
k_selection = 2
#mutation
init_mutation_proba = 0.9
percentageOfSwitches = 0.2
numberOfSwitchies = 50
#crossover
init_crossover_proba = 1

iterations = 300
genForConvergence = 5
stoppingConvergenceSlope = 0.0001
numberOfCities = 250

#diversity
sigma = 25
alpha = 3
sharedCost_percentageOfSearchSpace = 0.1
I: 300 meanObjective:163752.1403178514 bestObjective:153925.70159284878 diff:9826.438725002605

diversityIndicator:0.08083725000000025

k_selection:2 k_elimination:2

mean_mutation:0.10004701597115113 mean_crossover0.7985442407550929

select_diversity:True elim_diveristy:False

LsoToParents:False LsoToWorstOnes:True LsoToRandomSubset:False

percentOfPopuLso:0.4
reDiversificationScheme:True

TIME: selectTime: 0.24713694890340168=>31.53242055297533
TIME: LsoTime: 0.15397069056828816=>19.645255755459672
TIME: elimTime: 0.044639806747436526=>5.695632182923416
TIME: AssesQualityTime:0.27419806400934854=>34.9851720170501
TIME: ReDiversityTime:0.06342577219009399=>8.092550027300765
TIME: ReportTime: 0.0003723311424255371=>0.0475060577547261
TIME: Total iterTime: 0.7837550830841065=>100
TOTAL TIME:240.3335189819336