costs

Cost of the Path

- Best Path Cost
- Mean Cost

Diversity

DIversity

- diversity Indicator
- diversity mean

k values

k value

- k_selection
- k_elimination

Mutation and crossover probabilit

Probability

- meamMutation
- meamCrossover

Iterations

```
populationsize = 200
#selection & elimination
init_k_selection = 5
k_selection = 4
init_k_elimination = 5
k_selection = 4
#mutation
init_mutation_proba = 0.9
percentageOfSwitches = 0.2
numberOfSwitchies = 50
#crossover
init_crossover_proba = 1

iterations = 500
genForConvergence = 5
stoppingConvergenceSlope = 0.0001
numberOfCities = 250

#diversity
sigma = 25
alpha = 1
sharedCost_percentageOfSearchSpace = 0.1
```

I: 249 meanObjective:184512.23434232365 bestObjective:150702.71171720748 diff:33809.522625116166
diversityIndicator:0.25660640000000023

mean_mutation:0.10000000000000007 mean_crossover0.7000000000000008
min_mutation:0.1 min_crossover:0.7

select_diversity:False elim_diveristy:True percentageCostSharing:0.7

LsoInit:False
LsoToParents:False LsoToWorstOnes:True LsoToRandomSubset:True
percentOfPopuLso:0.1

reDiversificationScheme:False
RandomHardMutationThenLso:True percentHardMutation = 0.2

TIME: selectTime: 0.20437209385944657=>18.86513739878731
TIME: LsoTime: 0.10766217124510002=>9.938057661568063
TIME: elimTime: 0.49465559764080735=>45.66056763596518
TIME: AssesQualityTime:0.27624185880025226=>25.49927694701398
TIME: ReDiversityTime:1.6478649583686307e-06=>0.0001521107812089592
TIME: ReportTime: 0.00038740433842302804=>0.03576044035768883
TIME: Total iterTime: 1.0833321249628642=>100
TOTAL TIME:270.90737795829773