Algorithm Column beats Row - Convolution feval <= 100 BasinHopping **BestILS BestMLS** BestTabu DifferentialEvolution DualAnnealing GLS GeneticAlgorithm GreedyILS GreedyMLS GreedyTabu

DifferentialEvolution

DualAnnealing

BestTabu

2 10

GLS

GeneticAlgorithm

10 0 16

ParticleSwarm

RandomSampling SimulatedAnnealing

GreedyTabu

GreedyMLS

GreedyILS

GreedyMLS GreedyTabu ParticleSwarm RandomSampling SimulatedAnnealing

8 11 8 1 23 31 14 21 15 14

BasinHopping

3estMLS

3estILS