## 37 36 24 32 32 42 37 32 32 0 40 BasinHopping 0 19 11 25 18 **BestILS** 0 5 13 37 0 0 23

Algorithm Column beats Row - GEMM feval > 100

0

0 32

0 21

0

RandomSampling SimulatedAnnealing

0 | 0

51 0

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ParticleSwarm

**GreedyTabu** 

2

49

56

3 25 0 27 41 19 0 23 **BestMLS** 0 14 22 21 0 23 26 27 25 33 28 28 BestTabu 0

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56

0 | 2

**DifferentialEvolution** 

3

16 26 31

BestTabu

23 39 33 53 41 25

4 0

2 11 1 29

17 14

56 | 56 | 55 | 56 | 56

**DualAnnealing** 

32 18 42 34 25

21 0 37 18 23

0 1 0 3

GLS

2

42 56 49 26 0

2 30 3 17

GeneticAlgorithm

23

26 18 0 3 0 19

GreedylLS GreedyMLS

0 16 0 0

14 0 0

10 29 29 14 0 2 21 21 14 6 1 2 3 8 1

0

0

11 0

0

DifferentialEvolution

DualAnnealing

GeneticAlgorithm

GreedyILS

GreedyMLS

GreedyTabu

**ParticleSwarm** 

RandomSampling

SimulatedAnnealing

GLS

2

13

55 | 56 | 56 | 38

3

BasinHopping

BestILS BestMLS