## 0 0 0 0 0 0 2 0 0 0 1 0 1 BasinHopping 15 13 15 17 27 0 0 0 17 29 22 18 9 **BestILS** 31 19 15 27 0 0 16 19 16 9 15 **BestMLS** 0

12 18

11

28 32 25 32 21 23 0 17 22 23

15 30 13 22 16 16

13

**DifferentialEvolution** 

0

0

0

BestTabu

0

32

28

20

24

**DualAnnealing** 

32 | 32 | 30

1

2 8 2

GLS

GeneticAlgorithm

13 12 9

0 | 1

10 0

1 0 0

GreedylLS GreedyMLS

Algorithm Column beats Row - GEMM feval <= 100

30

1

2

0 14 14

1

ParticleSwarm

RandomSampling SimulatedAnnealing

0

0 0 0

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0

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**GreedyTabu** 

32

10

2

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8 0

BestMLS

BestTabu

DifferentialEvolution

DualAnnealing

GeneticAlgorithm

GreedyILS

GreedyMLS

GreedyTabu

ParticleSwarm

RandomSampling

SimulatedAnnealing

GLS

32 19 21 0 31

8 0 0 0 0 0 0 1 1 1 1 0 0 0 0 1

18 0 0 0 12 22 0 8 1 0 0 0 8 0

22 0 0 0

16

19 0 0 0

32 14 15

27

32 10 11 0 29 32 15 21 16 15 0 10 0 15

21 0

BasinHopping

BestILS BestMLS

2 | 2 | 0 | 0 | 23

0 0 0