------ Evaluation time for iteration43: 1258 ------

Indices selected for iteration 42: [2, 3, 6, 5, 4, 1, 2, 14, 14, 14]

Iteration 43: SCORES:

Parameter 1: a1: -0.284, a2: -0.083; b2: 0.138, b3: 0.184, with score: 2.069e-05

Parameter 2: a1: -0.320, a2: -0.077; b2: 0.181, b3: 0.133, with score: 2.160e-05

Parameter 3: a1: -0.314, a2: -0.069; b2: 0.223, b3: 0.120, with score: 2.160e-05

Parameter 4: a1: -0.353, a2: -0.042; b2: 0.221, b3: 0.171, with score: 2.160e-05

Parameter 5: a1: -0.335, a2: -0.062; b2: 0.220, b3: 0.237, with score: 2.160e-05

Parameter 6: a1: -0.303, a2: -0.088; b2: 0.213, b3: 0.216, with score: 1.330e-05

Parameter 7: a1: -0.284, a2: -0.083; b2: 0.138, b3: 0.184, with score: 2.069e-05

Parameter 8: a1: -0.326, a2: -0.041; b2: 0.192, b3: 0.199, with score: 2.611e-05

Parameter 9: a1: -0.326, a2: -0.041; b2: 0.192, b3: 0.199, with score: 2.611e-05

Parameter 10: a1: -0.326, a2: -0.041; b2: 0.192, b3: 0.199, with score: 2.611e-05

Mutated parameters(individuals) for iteration 42:

[[-0.28853521038769814, -0.09513480369612788, 0.12342421430796799, 0.1375349644604246], [-0.32352005574354625, -0.056031883347113356, 0.19617459127038392, 0.1594834969680184], [-0.3273863932564245, -0.07628597247835803, 0.2395556112607276, 0.13539250247991294], [-0.3387680966140977, -0.041644006842934386, 0.2110226060775054, 0.1900171187243259], [-0.3471620428437907, -0.07428553359953867, 0.222084439355085, 0.1956973248754604], [-0.3282919921079531, -0.1048778814360837, 0.2018800948353706, 0.1685046841610524], [-0.27862553339633156, -0.0773724415662843, 0.12040657904597742, 0.18343414340147798], [-0.32212136023133603, -0.03860991972322288, 0.19091299532891126, 0.17958824609245538], [-0.321647423693402, -0.04612196396156004, 0.199215248319918, 0.20039805204082173], [-0.32675458244879824, -0.03889249843659051, 0.18631545889405612, 0.21688563845352135], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246]]

------ Iteration 43

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P7

------ Evaluation time for iteration44: 1260 ------

Indices selected for iteration 43: [4, 0, 6, 7, 7, 8, 3, 12, 12, 12]

Iteration 44: SCORES:

Parameter 1: a1: -0.347, a2: -0.074; b2: 0.222, b3: 0.196, with score: 2.160e-05

Parameter 2: a1: -0.289, a2: -0.095; b2: 0.123, b3: 0.138, with score: 1.487e-05

Parameter 3: a1: -0.279, a2: -0.077; b2: 0.120, b3: 0.183, with score: 2.160e-05

Parameter 4: a1: -0.322, a2: -0.039; b2: 0.191, b3: 0.180, with score: 2.072e-05

Parameter 5: a1: -0.322, a2: -0.039; b2: 0.191, b3: 0.180, with score: 2.072e-05

Parameter 6: a1: -0.322, a2: -0.046; b2: 0.199, b3: 0.200, with score: 2.160e-05

Parameter 7: a1: -0.339, a2: -0.042; b2: 0.211, b3: 0.190, with score: 1.410e-05

Parameter 8: a1: -0.326, a2: -0.041; b2: 0.192, b3: 0.199, with score: 2.544e-05

Parameter 9: a1: -0.326, a2: -0.041; b2: 0.192, b3: 0.199, with score: 2.544e-05

Parameter 10: a1: -0.326, a2: -0.041; b2: 0.192, b3: 0.199, with score: 2.544e-05

Mutated parameters(individuals) for iteration 43:

[[-0.3634823299344089, -0.09455686840076419, 0.22024159417255, 0.19081512348791002], [-0.29726507459140844, -0.0784198841890967, 0.12151414655683594, 0.08105271733702052], [-0.2915986800573847, -0.08420681931647252, 0.13512117425778336, 0.17691052621519196], [-0.34246600131411303, -0.059237619207043374, 0.20855988273828652, 0.13783706425375955], [-0.34276646494104207, -0.019611186539115526, 0.19375037978154602, 0.21356780643504678], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.31840763314981463, -0.021857610092490716, 0.21889586028306451, 0.1668191663776078], [-0.3357418444418399, -0.0549685796447546, 0.20654556856713735, 0.21613295579027297], [-0.3148158798791143, -0.04350994466696367, 0.17634830502308455, 0.20461558435679636], [-0.33541340957165666, -0.023887051285715912, 0.2076118577077637, 0.1932951073701828], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246], [-0.3258000578387596, -0.040988371090789955, 0.1915688474945518, 0.19862171014872246]]

------ Iteration 44

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P6

------ Evaluation time for iteration45: 1260 ------

Indices selected for iteration 44: [2, 8, 8, 1, 3, 1, 5, 5, 5, 5]

Iteration 45: SCORES:

Parameter 1: a1: -0.292, a2: -0.084; b2: 0.135, b3: 0.177, with score: 1.425e-05

Parameter 2: a1: -0.315, a2: -0.044; b2: 0.176, b3: 0.205, with score: 1.472e-05

Parameter 3: a1: -0.315, a2: -0.044; b2: 0.176, b3: 0.205, with score: 1.472e-05

Parameter 4: a1: -0.297, a2: -0.078; b2: 0.122, b3: 0.081, with score: 2.307e-05

Parameter 5: a1: -0.342, a2: -0.059; b2: 0.209, b3: 0.138, with score: 2.571e-05

Parameter 6: a1: -0.297, a2: -0.078; b2: 0.122, b3: 0.081, with score: 2.307e-05

Parameter 7: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.721e-05

Parameter 8: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.721e-05

Parameter 9: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.721e-05

Parameter 10: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.721e-05

Mutated parameters(individuals) for iteration 44:

[[-0.2855321766856759, -0.07363227514477642, 0.1345133223573541, 0.16991223359088523], [-0.29625494114127904, -0.03563675749420204, 0.1892392465821858, 0.23138945342853867], [-0.32622833915157906, -0.046985382356055566, 0.1729615975300333, 0.20712784392921185], [-0.3013487475366469, -0.09021751035304698, 0.13580227688991414, 0.10089317303658663], [-0.3585319854700595, -0.06634745917645392, 0.21094739145461452, 0.11979350978878303], [-0.3075126701550053, -0.06254879595134691, 0.126292127367222, 0.08793559133454099], [-0.31180181322350464, -0.07137321886225115, 0.1946798233866495, 0.2605116785337026], [-0.32030235201593765, -0.0627678691297745, 0.2010640768952743, 0.2693949974590567], [-0.3327722139165572, -0.06501233415064617, 0.19564419008004152, 0.2578006769857808], [-0.31378363317210656, -0.06328181679954314, 0.19780271898042778, 0.245172081028363], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166]]

------ Iteration 45

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P8

------ Evaluation time for iteration46: 1285 ------

Indices selected for iteration 45: [7, 4, 2, 9, 6, 5, 8, 13, 13, 13]

Iteration 46: SCORES:

Parameter 1: a1: -0.320, a2: -0.063; b2: 0.201, b3: 0.269, with score: 2.288e-05

Parameter 2: a1: -0.359, a2: -0.066; b2: 0.211, b3: 0.120, with score: 2.267e-05

Parameter 3: a1: -0.326, a2: -0.047; b2: 0.173, b3: 0.207, with score: 8.001e-06

Parameter 4: a1: -0.314, a2: -0.063; b2: 0.198, b3: 0.245, with score: 2.288e-05

Parameter 5: a1: -0.312, a2: -0.071; b2: 0.195, b3: 0.261, with score: 2.288e-05

Parameter 6: a1: -0.308, a2: -0.063; b2: 0.126, b3: 0.088, with score: 2.251e-05

Parameter 7: a1: -0.333, a2: -0.065; b2: 0.196, b3: 0.258, with score: 2.288e-05

Parameter 8: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.531e-05

Parameter 9: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.531e-05

Parameter 10: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.531e-05

Mutated parameters(individuals) for iteration 45:

[[-0.33932746123309054, -0.058703007870120075, 0.21915432420956862, 0.2448695909949524], [-0.3532847570232083, -0.0475520710914585, 0.21984744032278225, 0.13814315473838168], [-0.3188431612756153, -0.029908293616970952, 0.21259635362679274, 0.14700589955401505], [-0.3207891762074515, -0.04311893064542385, 0.21287511651332347, 0.2475839799237004], [-0.33186108387438745, -0.07430004834464402, 0.20683636878011946, 0.2368231440408756], [-0.32542681357869596, -0.07503495655095799, 0.13795749094707965, 0.12780947636685494], [-0.3150974585992134, -0.04439903018549918, 0.18350696204712175, 0.29875760648652283], [-0.32738222141287704, -0.06805510187477358, 0.20447704288939586, 0.24105501193218581], [-0.3069627094142185, -0.05161392132504721, 0.18727625831917352, 0.23704219995838788], [-0.3335166718156848, -0.06956286877747207, 0.2054189967114066, 0.24852465161573203], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166]]

------ Iteration 46

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P5

------ Evaluation time for iteration47: 1298 ------

Indices selected for iteration 46: [2, 0, 4, 7, 4, 3, 2, 14, 14, 14]

Iteration 47: SCORES:

Parameter 1: a1: -0.319, a2: -0.030; b2: 0.213, b3: 0.147, with score: 1.876e-05

Parameter 2: a1: -0.339, a2: -0.059; b2: 0.219, b3: 0.245, with score: 1.062e-05

Parameter 3: a1: -0.332, a2: -0.074; b2: 0.207, b3: 0.237, with score: 2.325e-05

Parameter 4: a1: -0.327, a2: -0.068; b2: 0.204, b3: 0.241, with score: 2.288e-05

Parameter 5: a1: -0.332, a2: -0.074; b2: 0.207, b3: 0.237, with score: 2.325e-05

Parameter 6: a1: -0.321, a2: -0.043; b2: 0.213, b3: 0.248, with score: 2.397e-05

Parameter 7: a1: -0.319, a2: -0.030; b2: 0.213, b3: 0.147, with score: 1.876e-05

Parameter 8: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 3.034e-05

Parameter 9: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 3.034e-05

Parameter 10: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 3.034e-05

Mutated parameters(individuals) for iteration 46:

[[-0.31030245170388, -0.01647278136899646, 0.2157066218081006, 0.11781261225804451], [-0.30346694665168583, -0.08568206325739064, 0.20015217060705065, 0.2018953383526603], [-0.33231088063712466, -0.07518519564556442, 0.1887244466748223, 0.19830765037413806], [-0.31406142791977437, -0.07842756098020406, 0.20996482654790688, 0.23498301254378184], [-0.3162121336291883, -0.06959158314402479, 0.18904289054206347, 0.2729963550792212], [-0.33127280449218205, -0.04655311361606785, 0.19454903749160554, 0.2532865421624752], [-0.3017575882713585, -0.01870609456477438, 0.1929968782443778, 0.14064495356926404], [-0.3137305057489526, -0.0713119372794114, 0.20461968122778218, 0.24442441872389456], [-0.322305567836087, -0.0705858257152127, 0.1956409095185529, 0.240614516858339], [-0.3109986165640311, -0.06025742319355809, 0.19344882389704446, 0.22988889534060902], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166]]

------ Iteration 47

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P5

------ Evaluation time for iteration48: 1293 ------

Indices selected for iteration 47: [3, 3, 4, 6, 1, 3, 7, 10, 10, 10]

Iteration 48: SCORES:

Parameter 1: a1: -0.314, a2: -0.078; b2: 0.210, b3: 0.235, with score: 2.102e-05

Parameter 2: a1: -0.314, a2: -0.078; b2: 0.210, b3: 0.235, with score: 2.102e-05

Parameter 3: a1: -0.316, a2: -0.070; b2: 0.189, b3: 0.273, with score: 2.422e-05

Parameter 4: a1: -0.302, a2: -0.019; b2: 0.193, b3: 0.141, with score: 2.506e-05

Parameter 5: a1: -0.303, a2: -0.086; b2: 0.200, b3: 0.202, with score: 2.112e-05

Parameter 6: a1: -0.314, a2: -0.078; b2: 0.210, b3: 0.235, with score: 2.102e-05

Parameter 7: a1: -0.314, a2: -0.071; b2: 0.205, b3: 0.244, with score: 2.288e-05

Parameter 8: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.705e-05

Parameter 9: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.705e-05

Parameter 10: a1: -0.321, a2: -0.062; b2: 0.196, b3: 0.241, with score: 2.705e-05

Mutated parameters(individuals) for iteration 47:

[[-0.30422569535861466, -0.07662998894009747, 0.2031938020152129, 0.2553122955913931], [-0.32794600768132376, -0.0751319254775849, 0.20914683689204244, 0.23483121637232102], [-0.3212581046718453, -0.0790756349892341, 0.17965915867368062, 0.28842911515191166], [-0.28645212395403236, -0.034217467549532046, 0.17903353659023766, 0.1599200449035502], [-0.32589847132000427, -0.0652018671784637, 0.18528671028393054, 0.160061984927798], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.32725214498600375, -0.0918165940623924, 0.20718812343033838, 0.22851287144837204], [-0.31108851645333013, -0.05666211215466787, 0.18166427154877285, 0.21671422304706467], [-0.3129018749124209, -0.05445231737760723, 0.20362401117722648, 0.2492675140355108], [-0.33047040500874447, -0.04848126830309983, 0.1872168869961762, 0.23513275841115774], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166], [-0.32114846330281227, -0.061574396701411654, 0.19613217186423748, 0.24104254208935166]]

------ Iteration 48

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P6

------ Evaluation time for iteration49: 1298 ------

Indices selected for iteration 48: [4, 3, 4, 7, 5, 6, 8, 5, 5, 5]

Iteration 49: SCORES:

Parameter 1: a1: -0.326, a2: -0.065; b2: 0.185, b3: 0.160, with score: 2.166e-05

Parameter 2: a1: -0.286, a2: -0.034; b2: 0.179, b3: 0.160, with score: 2.178e-05

Parameter 3: a1: -0.326, a2: -0.065; b2: 0.185, b3: 0.160, with score: 2.166e-05

Parameter 4: a1: -0.311, a2: -0.057; b2: 0.182, b3: 0.217, with score: 2.288e-05

Parameter 5: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.802e-05

Parameter 6: a1: -0.327, a2: -0.092; b2: 0.207, b3: 0.229, with score: 2.288e-05

Parameter 7: a1: -0.313, a2: -0.054; b2: 0.204, b3: 0.249, with score: 2.500e-05

Parameter 8: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.802e-05

Parameter 9: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.802e-05

Parameter 10: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.802e-05

Mutated parameters(individuals) for iteration 48:

[[-0.3426659723236122, -0.056867601615797125, 0.1663950847695962, 0.13257415404218903], [-0.2873922810087106, -0.04807431669928406, 0.16303914788057774, 0.17392876830899534], [-0.32569983950985504, -0.05039981033723618, 0.19655980670263487, 0.17691515539539238], [-0.31076318249616225, -0.04584160717934074, 0.19315444529577144, 0.25363404718945737], [-0.29784640965150655, -0.10760754611350218, 0.19162504322861557, 0.30066312634761305], [-0.30842027396752003, -0.10913825167621427, 0.20118376844351588, 0.2260899302869639], [-0.31387434781571477, -0.06162554766337181, 0.19371936899686032, 0.2669832872876573], [-0.3067170957887123, -0.1034149364587219, 0.19556306422406006, 0.27678064831996235], [-0.29906578463375777, -0.10519431498739562, 0.19597327483999677, 0.27097407413336094], [-0.31333673715787996, -0.09174646547983169, 0.18292096530338683, 0.29440306340057787], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899]]

------ Iteration 49

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

------ Evaluation time for iteration50: 1316 ------

Indices selected for iteration 49: [2, 5, 2, 5, 0, 8, 5, 12, 12, 12]

Iteration 50: SCORES:

Parameter 1: a1: -0.326, a2: -0.050; b2: 0.197, b3: 0.177, with score: 1.680e-05

Parameter 2: a1: -0.308, a2: -0.109; b2: 0.201, b3: 0.226, with score: 2.495e-05

Parameter 3: a1: -0.326, a2: -0.050; b2: 0.197, b3: 0.177, with score: 1.680e-05

Parameter 4: a1: -0.308, a2: -0.109; b2: 0.201, b3: 0.226, with score: 2.495e-05

Parameter 5: a1: -0.343, a2: -0.057; b2: 0.166, b3: 0.133, with score: 1.440e-05

Parameter 6: a1: -0.299, a2: -0.105; b2: 0.196, b3: 0.271, with score: 2.632e-05

Parameter 7: a1: -0.308, a2: -0.109; b2: 0.201, b3: 0.226, with score: 2.495e-05

Parameter 8: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.649e-05

Parameter 9: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.649e-05

Parameter 10: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.649e-05

Mutated parameters(individuals) for iteration 49:

[[-0.310197239280271, -0.049746899398930976, 0.18616537514567244, 0.1387109978262292], [-0.3225121744074388, -0.12016561412917462, 0.19906642818235745, 0.22624109088426655], [-0.2972286174415874, -0.06565039885808144, 0.20234003295189157, 0.1707725947081842], [-0.3155275294408317, -0.12028616482618024, 0.21560227310924054, 0.20446452662529835], [-0.32603554196727486, -0.03398978292128048, 0.1533532189559462, 0.1518099538252502], [-0.30496726541339403, -0.088886174800073, 0.18811593012023745, 0.28753865504166815], [-0.2953379225271622, -0.12704132416784186, 0.18746534983992702, 0.25133693901473325], [-0.29412418288353925, -0.09728566285703284, 0.19033462766909853, 0.3130086847944441], [-0.30079153243956724, -0.09301367781141738, 0.18840572283002077, 0.30889882460038737], [-0.29177065085317844, -0.09433157653259266, 0.18531567268964289, 0.25994239158507576], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899]]

------ Iteration 50

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P12

------ Evaluation time for iteration51: 1318 ------

Indices selected for iteration 50: [3, 7, 2, 5, 4, 0, 7, 14, 14, 14]

Iteration 51: SCORES:

Parameter 1: a1: -0.316, a2: -0.120; b2: 0.216, b3: 0.204, with score: 1.824e-05

Parameter 2: a1: -0.294, a2: -0.097; b2: 0.190, b3: 0.313, with score: 2.467e-05

Parameter 3: a1: -0.297, a2: -0.066; b2: 0.202, b3: 0.171, with score: 2.087e-05

Parameter 4: a1: -0.305, a2: -0.089; b2: 0.188, b3: 0.288, with score: 2.231e-05

Parameter 5: a1: -0.326, a2: -0.034; b2: 0.153, b3: 0.152, with score: 1.702e-05

Parameter 6: a1: -0.310, a2: -0.050; b2: 0.186, b3: 0.139, with score: 1.839e-05

Parameter 7: a1: -0.294, a2: -0.097; b2: 0.190, b3: 0.313, with score: 2.467e-05

Parameter 8: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.632e-05

Parameter 9: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.632e-05

Parameter 10: a1: -0.301, a2: -0.100; b2: 0.196, b3: 0.281, with score: 2.632e-05

Mutated parameters(individuals) for iteration 50:

[[-0.33803283152360375, -0.1033891668866928, 0.19115773066254968, 0.1793108141246867], [-0.28495166921142684, -0.07963401915035277, 0.18047855760259152, 0.29820609818943555], [-0.2741575236625506, -0.08551999226318469, 0.19211746821712186, 0.17776857307079486], [-0.29513947506338256, -0.09606311785159925, 0.20711442980099365, 0.3056495680235192], [-0.29796312436049344, -0.02492388577781729, 0.14848477658831036, 0.12664410908168885], [-0.287632774463299, -0.028354030308166186, 0.19044396169051178, 0.1495779864680567], [-0.2837090229473608, -0.08052865598589605, 0.1908607735465386, 0.30215162093500786], [-0.2894951409239294, -0.09754549582220563, 0.195472333807483, 0.2796985518642004], [-0.3117405418682435, -0.10831078348800997, 0.19718490438262382, 0.3033423394475862], [-0.3096796907944904, -0.0952180109947867, 0.18795889557171286, 0.2713709089465623], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899], [-0.301106773698214, -0.09982342779204004, 0.1955788016552817, 0.2809521817762899]]

------ Iteration 51

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

------ Evaluation time for iteration52: 1317 ------

Indices selected for iteration 51: [2, 4, 3, 3, 4, 3, 5, 7, 7, 7]

Iteration 52: SCORES:

Parameter 1: a1: -0.274, a2: -0.086; b2: 0.192, b3: 0.178, with score: 2.148e-05

Parameter 2: a1: -0.298, a2: -0.025; b2: 0.148, b3: 0.127, with score: 2.592e-05

Parameter 3: a1: -0.295, a2: -0.096; b2: 0.207, b3: 0.306, with score: 2.446e-05

Parameter 4: a1: -0.295, a2: -0.096; b2: 0.207, b3: 0.306, with score: 2.446e-05

Parameter 5: a1: -0.298, a2: -0.025; b2: 0.148, b3: 0.127, with score: 2.592e-05

Parameter 6: a1: -0.295, a2: -0.096; b2: 0.207, b3: 0.306, with score: 2.446e-05

Parameter 7: a1: -0.288, a2: -0.028; b2: 0.190, b3: 0.150, with score: 2.294e-05

Parameter 8: a1: -0.289, a2: -0.098; b2: 0.195, b3: 0.280, with score: 2.736e-05

Parameter 9: a1: -0.289, a2: -0.098; b2: 0.195, b3: 0.280, with score: 2.736e-05

Parameter 10: a1: -0.289, a2: -0.098; b2: 0.195, b3: 0.280, with score: 2.736e-05

Mutated parameters(individuals) for iteration 51:

[[-0.2523885075903206, -0.08168580028100036, 0.17691148107431595, 0.1866475273820598], [-0.29602734984387674, -0.016595219410399466, 0.15860143369975627, 0.15382010345189534], [-0.29719874644799177, -0.1028445867854171, 0.1953158606327785, 0.3373776087947045], [-0.2815901983307529, -0.09370720709253631, 0.1891050303940001, 0.3120513053854907], [-0.2962539564924956, -0.03990161043715815, 0.1563185661671118, 0.14517829018874784], [-0.3026924249715246, -0.11323733472948835, 0.2035023213695705, 0.28683236789098476], [-0.2929966472915451, -0.009270638585531558, 0.2024204542538591, 0.12128979846945367], [-0.3026515647733204, -0.08342075758049125, 0.1973020235007843, 0.26931005475961434], [-0.29275002336826905, -0.10613576226000626, 0.1944062252031436, 0.25949869726198443], [-0.2798666127608704, -0.08326627594378774, 0.20749651712152828, 0.28132414896725455], [-0.2894951409239294, -0.09754549582220563, 0.195472333807483, 0.2796985518642004], [-0.2894951409239294, -0.09754549582220563, 0.195472333807483, 0.2796985518642004], [-0.2894951409239294, -0.09754549582220563, 0.195472333807483, 0.2796985518642004], [-0.2894951409239294, -0.09754549582220563, 0.195472333807483, 0.2796985518642004], [-0.2894951409239294, -0.09754549582220563, 0.195472333807483, 0.2796985518642004]]

------ Iteration 52

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

------ Evaluation time for iteration53: 1313 ------

Indices selected for iteration 52: [7, 4, 7, 11, 1, 3, 4, 3, 3, 3]

Iteration 53: SCORES:

Parameter 1: a1: -0.303, a2: -0.083; b2: 0.197, b3: 0.269, with score: 2.592e-05

Parameter 2: a1: -0.296, a2: -0.040; b2: 0.156, b3: 0.145, with score: 2.112e-05

Parameter 3: a1: -0.303, a2: -0.083; b2: 0.197, b3: 0.269, with score: 2.592e-05

Parameter 4: a1: -0.289, a2: -0.098; b2: 0.195, b3: 0.280, with score: 2.303e-05

Parameter 5: a1: -0.296, a2: -0.017; b2: 0.159, b3: 0.154, with score: 2.023e-05

Parameter 6: a1: -0.282, a2: -0.094; b2: 0.189, b3: 0.312, with score: 2.792e-05

Parameter 7: a1: -0.296, a2: -0.040; b2: 0.156, b3: 0.145, with score: 2.112e-05

Parameter 8: a1: -0.282, a2: -0.094; b2: 0.189, b3: 0.312, with score: 2.792e-05

Parameter 9: a1: -0.282, a2: -0.094; b2: 0.189, b3: 0.312, with score: 2.792e-05

Parameter 10: a1: -0.282, a2: -0.094; b2: 0.189, b3: 0.312, with score: 2.792e-05

Mutated parameters(individuals) for iteration 52:

[[-0.314017328435832, -0.08666843177725554, 0.19830948355318923, 0.294924819034955], [-0.2803236179696086, -0.023956925043883946, 0.17814973988676255, 0.15608856180524705], [-0.30616297515706614, -0.09686236609967624, 0.1958049628062601, 0.266864693835626], [-0.3034110938354824, -0.08691850316431031, 0.18432896356051656, 0.25968318298247645], [-0.31966584179152296, -0.0028195435338920598, 0.17616241692815196, 0.14168627678384366], [-0.2895722627024684, -0.10596688905422533, 0.17497452185815812, 0.2873241300343367], [-0.30670950438434225, -0.033189837164847955, 0.14789683023243608, 0.17879360003673828], [-0.27110037294313666, -0.09465562088231272, 0.17941570830362, 0.324736698812247], [-0.28419258644391154, -0.09538970238073159, 0.1944245954510828, 0.28378667433973476], [-0.27773499853962763, -0.08899458051613014, 0.20155373511737049, 0.2944905091388884], [-0.2815901983307529, -0.09370720709253631, 0.1891050303940001, 0.3120513053854907], [-0.2815901983307529, -0.09370720709253631, 0.1891050303940001, 0.3120513053854907], [-0.2815901983307529, -0.09370720709253631, 0.1891050303940001, 0.3120513053854907], [-0.2815901983307529, -0.09370720709253631, 0.1891050303940001, 0.3120513053854907], [-0.2815901983307529, -0.09370720709253631, 0.1891050303940001, 0.3120513053854907]]

------ Iteration 53

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P11

------ Evaluation time for iteration54: 1321 ------

Indices selected for iteration 53: [3, 1, 1, 1, 5, 6, 0, 7, 7, 7]

Iteration 54: SCORES:

Parameter 1: a1: -0.303, a2: -0.087; b2: 0.184, b3: 0.260, with score: 2.080e-05

Parameter 2: a1: -0.280, a2: -0.024; b2: 0.178, b3: 0.156, with score: 2.226e-05

Parameter 3: a1: -0.280, a2: -0.024; b2: 0.178, b3: 0.156, with score: 2.226e-05

Parameter 4: a1: -0.280, a2: -0.024; b2: 0.178, b3: 0.156, with score: 2.226e-05

Parameter 5: a1: -0.290, a2: -0.106; b2: 0.175, b3: 0.287, with score: 2.509e-05

Parameter 6: a1: -0.307, a2: -0.033; b2: 0.148, b3: 0.179, with score: 2.609e-05

Parameter 7: a1: -0.314, a2: -0.087; b2: 0.198, b3: 0.295, with score: 2.425e-05

Parameter 8: a1: -0.271, a2: -0.095; b2: 0.179, b3: 0.325, with score: 2.768e-05

Parameter 9: a1: -0.271, a2: -0.095; b2: 0.179, b3: 0.325, with score: 2.768e-05

Parameter 10: a1: -0.271, a2: -0.095; b2: 0.179, b3: 0.325, with score: 2.768e-05

Mutated parameters(individuals) for iteration 53:

[[-0.32372074047851973, -0.10052480969960133, 0.17328282680299306, 0.2639847582156201], [-0.2731544056395809, -0.009043224406581899, 0.19605876840704092, 0.1886282214058728], [-0.2795526512205491, -0.03777242187410865, 0.1765453051053971, 0.17999852512994552], [-0.2879794313178532, -0.017475419252440755, 0.17213344010723955, 0.14760671809632894], [-0.28223631451749653, -0.11892476730411292, 0.15711042331995342, 0.3224675117193621], [-0.2992456339761838, -0.04675927361812262, 0.14436087284026086, 0.1979810486285937], [-0.3175376821726361, -0.09765499641180632, 0.20443833050072635, 0.3209450734172235], [-0.27624825817018683, -0.09666691292409146, 0.19064474786673566, 0.3065378605560366], [-0.26085982644521044, -0.10612556211683351, 0.18643775729215223, 0.3425597187558361], [-0.27225171085398975, -0.08332459745294225, 0.16668641613808424, 0.3515234581273266], [-0.27110037294313666, -0.09465562088231272, 0.17941570830362, 0.324736698812247], [-0.27110037294313666, -0.09465562088231272, 0.17941570830362, 0.324736698812247], [-0.27110037294313666, -0.09465562088231272, 0.17941570830362, 0.324736698812247], [-0.27110037294313666, -0.09465562088231272, 0.17941570830362, 0.324736698812247], [-0.27110037294313666, -0.09465562088231272, 0.17941570830362, 0.324736698812247]]

------ Iteration 54

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P13

------ Evaluation time for iteration55: 1333 ------

Indices selected for iteration 54: [3, 3, 3, 0, 4, 2, 0, 3, 3, 3]

Iteration 55: SCORES:

Parameter 1: a1: -0.288, a2: -0.017; b2: 0.172, b3: 0.148, with score: 3.020e-05

Parameter 2: a1: -0.288, a2: -0.017; b2: 0.172, b3: 0.148, with score: 3.020e-05

Parameter 3: a1: -0.288, a2: -0.017; b2: 0.172, b3: 0.148, with score: 3.020e-05

Parameter 4: a1: -0.324, a2: -0.101; b2: 0.173, b3: 0.264, with score: 2.488e-05

Parameter 5: a1: -0.282, a2: -0.119; b2: 0.157, b3: 0.322, with score: 2.225e-05

Parameter 6: a1: -0.280, a2: -0.038; b2: 0.177, b3: 0.180, with score: 2.198e-05

Parameter 7: a1: -0.324, a2: -0.101; b2: 0.173, b3: 0.264, with score: 2.488e-05

Parameter 8: a1: -0.288, a2: -0.017; b2: 0.172, b3: 0.148, with score: 3.020e-05

Parameter 9: a1: -0.288, a2: -0.017; b2: 0.172, b3: 0.148, with score: 3.020e-05

Parameter 10: a1: -0.288, a2: -0.017; b2: 0.172, b3: 0.148, with score: 3.020e-05

Mutated parameters(individuals) for iteration 54:

[[-0.2791111376958373, -0.018828466513445333, 0.16828458431481133, 0.16733708264462566], [-0.2935294144493119, -0.01089389432701993, 0.16145793725281649, 0.15867685985544255], [-0.2810193138776641, -0.023962060263758564, 0.17422115487041925, 0.14830315789874982], [-0.3225769363557189, -0.11269162849910516, 0.18785134876794032, 0.29189845300249523], [-0.2975272808262765, -0.1322791201042664, 0.16888017209274278, 0.31073446506288743], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.3357725370110207, -0.11813041620132554, 0.1587086268623088, 0.2606158701383191], [-0.29441990166254417, -0.012019039091579616, 0.16844948881653146, 0.13540401395668902], [-0.29459513611012494, -0.007408848718136133, 0.16123980089403786, 0.12836263677026533], [-0.28508030509875143, -0.020756041805871525, 0.17949533688509905, 0.13804364269368702], [-0.2879794313178532, -0.017475419252440755, 0.17213344010723955, 0.14760671809632894], [-0.2879794313178532, -0.017475419252440755, 0.17213344010723955, 0.14760671809632894], [-0.2879794313178532, -0.017475419252440755, 0.17213344010723955, 0.14760671809632894], [-0.2879794313178532, -0.017475419252440755, 0.17213344010723955, 0.14760671809632894], [-0.2879794313178532, -0.017475419252440755, 0.17213344010723955, 0.14760671809632894]]

------ Iteration 55

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P5

------ Evaluation time for iteration56: 1288 ------

Indices selected for iteration 55: [4, 0, 5, 3, 5, 1, 3, 5, 5, 5]

Iteration 56: SCORES:

Parameter 1: a1: -0.298, a2: -0.132; b2: 0.169, b3: 0.311, with score: 2.208e-05

Parameter 2: a1: -0.279, a2: -0.019; b2: 0.168, b3: 0.167, with score: 2.416e-05

Parameter 3: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.829e-05

Parameter 4: a1: -0.323, a2: -0.113; b2: 0.188, b3: 0.292, with score: 2.264e-05

Parameter 5: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.829e-05

Parameter 6: a1: -0.294, a2: -0.011; b2: 0.161, b3: 0.159, with score: 1.893e-05

Parameter 7: a1: -0.323, a2: -0.113; b2: 0.188, b3: 0.292, with score: 2.264e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.829e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.829e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.829e-05

Mutated parameters(individuals) for iteration 55:

[[-0.3164218430381495, -0.12404702087836281, 0.18082753774580407, 0.30260274856619707], [-0.28704385834248364, -0.013007844808308603, 0.1873285961608413, 0.15025115202636757], [-0.2798502182659417, -0.028640917063895828, 0.17450847647944379, 0.19400039162758312], [-0.3164275124934023, -0.1228683747903104, 0.20649654963254827, 0.2812111379233407], [-0.2735805642509217, -0.010435650675634615, 0.15142976344055747, 0.2074949899597063], [-0.319121868593518, -0.013676808400321785, 0.16848084134821018, 0.15596306410039654], [-0.31893957000097495, -0.11290376738002351, 0.20137134191741535, 0.3058792957697308], [-0.25478505451782785, -0.018577997780680543, 0.15700409141807725, 0.21216077773488942], [-0.2566576479099594, -0.014515156670108512, 0.17175269635276846, 0.23360308814353434], [-0.25962903428546585, -0.011788279631717228, 0.15586366593639228, 0.20284616777451972], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 56

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration57: 1295 ------

Indices selected for iteration 56: [4, 5, 4, 2, 2, 6, 5, 10, 10, 10]

Iteration 57: SCORES:

Parameter 1: a1: -0.274, a2: -0.010; b2: 0.151, b3: 0.207, with score: 2.646e-05

Parameter 2: a1: -0.319, a2: -0.014; b2: 0.168, b3: 0.156, with score: 2.724e-05

Parameter 3: a1: -0.274, a2: -0.010; b2: 0.151, b3: 0.207, with score: 2.646e-05

Parameter 4: a1: -0.280, a2: -0.029; b2: 0.175, b3: 0.194, with score: 2.626e-05

Parameter 5: a1: -0.280, a2: -0.029; b2: 0.175, b3: 0.194, with score: 2.626e-05

Parameter 6: a1: -0.319, a2: -0.113; b2: 0.201, b3: 0.306, with score: 2.724e-05

Parameter 7: a1: -0.319, a2: -0.014; b2: 0.168, b3: 0.156, with score: 2.724e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Mutated parameters(individuals) for iteration 56:

[[-0.2846203819124133, -0.0019646818846944508, 0.16527997401589087, 0.2107183048315004], [-0.31377186673798196, -0.02102588047928376, 0.1836254528106327, 0.1290623337996275], [-0.27960641605839487, -0.019642001987359124, 0.14028045352603188, 0.21183873617683224], [-0.2880042439049199, -0.04285590221227464, 0.18688380677888042, 0.1624733634456747], [-0.29392835474521234, -0.04297343213808513, 0.17644579511087458, 0.209031923437896], [-0.3170582407000734, -0.12373704022352486, 0.19313284490445543, 0.31911433143050616], [-0.3157963361432562, -0.013686556320649489, 0.17530788641697695, 0.16466701799637204], [-0.25790874109112183, -0.004074699369429906, 0.1684914072331594, 0.18483950772816551], [-0.26885344384113824, -0.019250795193569148, 0.15685805042960904, 0.20513327646725596], [-0.2727409555263535, -0.02133974527857127, 0.1538502055546305, 0.231694188763314], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 57

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P6

------ Evaluation time for iteration58: 1298 ------

Indices selected for iteration 57: [2, 6, 1, 5, 2, 1, 1, 12, 12, 12]

Iteration 58: SCORES:

Parameter 1: a1: -0.280, a2: -0.020; b2: 0.140, b3: 0.212, with score: 2.381e-05

Parameter 2: a1: -0.316, a2: -0.014; b2: 0.175, b3: 0.165, with score: 2.185e-05

Parameter 3: a1: -0.314, a2: -0.021; b2: 0.184, b3: 0.129, with score: 1.749e-05

Parameter 4: a1: -0.317, a2: -0.124; b2: 0.193, b3: 0.319, with score: 2.338e-05

Parameter 5: a1: -0.280, a2: -0.020; b2: 0.140, b3: 0.212, with score: 2.381e-05

Parameter 6: a1: -0.314, a2: -0.021; b2: 0.184, b3: 0.129, with score: 1.749e-05

Parameter 7: a1: -0.314, a2: -0.021; b2: 0.184, b3: 0.129, with score: 1.749e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.763e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.763e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.763e-05

Mutated parameters(individuals) for iteration 57:

[[-0.2880680568760787, -0.032361987675279834, 0.12721774442870842, 0.24197955726990444], [-0.30612945749000764, -0.011626325443343553, 0.17276556836900803, 0.13046392336652057], [-0.3316879912806108, -0.014733811578693957, 0.15761706545174292, 0.17754919232148864], [-0.33710258245138025, -0.10856477857965122, 0.18369390494871873, 0.33149353088270306], [-0.2679421100051713, -0.023661612308572583, 0.15849180796393658, 0.21997050575625318], [-0.30913049312359836, -0.015128965914682343, 0.20704356647088612, 0.14707370505097966], [-0.2936124038872737, -0.022674640769875742, 0.1794265495694962, 0.08762678306345253], [-0.2727622229428315, -0.004567054124574988, 0.17542920504699203, 0.19221916987451995], [-0.267918522955649, -0.022127133765450085, 0.17283664060880535, 0.21174735521080387], [-0.25549117512005637, -0.007363361668469301, 0.1725968277573755, 0.23103297225174022], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 58

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration59: 1284 ------

Indices selected for iteration 58: [5, 7, 6, 4, 5, 5, 4, 13, 13, 13]

Iteration 59: SCORES:

Parameter 1: a1: -0.309, a2: -0.015; b2: 0.207, b3: 0.147, with score: 2.496e-05

Parameter 2: a1: -0.273, a2: -0.005; b2: 0.175, b3: 0.192, with score: 2.529e-05

Parameter 3: a1: -0.294, a2: -0.023; b2: 0.179, b3: 0.088, with score: 2.724e-05

Parameter 4: a1: -0.268, a2: -0.024; b2: 0.158, b3: 0.220, with score: 2.474e-05

Parameter 5: a1: -0.309, a2: -0.015; b2: 0.207, b3: 0.147, with score: 2.496e-05

Parameter 6: a1: -0.309, a2: -0.015; b2: 0.207, b3: 0.147, with score: 2.496e-05

Parameter 7: a1: -0.268, a2: -0.024; b2: 0.158, b3: 0.220, with score: 2.474e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Mutated parameters(individuals) for iteration 58:

[[-0.3150688974499848, -0.00914036947107267, 0.20360853009655117, 0.1535646423545893], [-0.28581982708961856, -0.007303727745677937, 0.1710199692433163, 0.20385404672039859], [-0.28435430056497496, -0.026566187225255496, 0.1782826851185077, 0.11335261350655618], [-0.25228631237983695, -0.03797839118897213, 0.14931344762145188, 0.2538970177830001], [-0.3057705937481466, -0.008612120411181687, 0.1892485890869974, 0.16370122681074686], [-0.3249862499955627, -0.013477335069734333, 0.22235759250181775, 0.11958055578168074], [-0.26575435250648405, -0.005344780174745361, 0.1510226417171348, 0.1984826422444415], [-0.26052686080377385, -0.02831388062907117, 0.1545024348981437, 0.21508005217104703], [-0.26969184896669984, -0.017368744401470262, 0.1552167626899571, 0.17841242967413756], [-0.2710249128428395, -0.030903899971868345, 0.17065175323747211, 0.18267664484430812], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 59

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration60: 1282 ------

Indices selected for iteration 59: [3, 6, 5, 6, 7, 5, 6, 13, 13, 13]

Iteration 60: SCORES:

Parameter 1: a1: -0.252, a2: -0.038; b2: 0.149, b3: 0.254, with score: 2.091e-05

Parameter 2: a1: -0.266, a2: -0.005; b2: 0.151, b3: 0.198, with score: 2.141e-05

Parameter 3: a1: -0.325, a2: -0.013; b2: 0.222, b3: 0.120, with score: 2.445e-05

Parameter 4: a1: -0.266, a2: -0.005; b2: 0.151, b3: 0.198, with score: 2.141e-05

Parameter 5: a1: -0.261, a2: -0.028; b2: 0.155, b3: 0.215, with score: 2.506e-05

Parameter 6: a1: -0.325, a2: -0.013; b2: 0.222, b3: 0.120, with score: 2.445e-05

Parameter 7: a1: -0.266, a2: -0.005; b2: 0.151, b3: 0.198, with score: 2.141e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Mutated parameters(individuals) for iteration 59:

[[-0.23909359355542392, -0.01843052375070492, 0.16705001526560234, 0.2859432046262083], [-0.24511770442796424, -0.023592212293027947, 0.13237420287495702, 0.1573758947397371], [-0.3172196129920185, -0.0007689429338246598, 0.22190190429805834, 0.12487283883097526], [-0.25231230283637807, -0.012654877006737494, 0.16954949859498536, 0.1650597431496089], [-0.27400672162761336, -0.016801303136137938, 0.16649569149198065, 0.24830105528057464], [-0.3360616175056721, -0.030567003726112037, 0.23806606990059861, 0.13888426832309206], [-0.28219952793655523, -0.01971146938008063, 0.1403318196060837, 0.1780064853009336], [-0.27509648217608246, -0.031942516422117984, 0.17559032383027193, 0.17998313142263808], [-0.2829096881101811, -0.031511805609871664, 0.15854456649763668, 0.17959578061951262], [-0.2551354019815571, -0.015786106209586263, 0.17870540937136753, 0.21660071118891613], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 60

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P1

------ Evaluation time for iteration61: 1290 ------

Indices selected for iteration 60: [4, 5, 4, 4, 2, 3, 2, 13, 13, 13]

Iteration 61: SCORES:

Parameter 1: a1: -0.274, a2: -0.017; b2: 0.166, b3: 0.248, with score: 2.518e-05

Parameter 2: a1: -0.336, a2: -0.031; b2: 0.238, b3: 0.139, with score: 2.420e-05

Parameter 3: a1: -0.274, a2: -0.017; b2: 0.166, b3: 0.248, with score: 2.518e-05

Parameter 4: a1: -0.274, a2: -0.017; b2: 0.166, b3: 0.248, with score: 2.518e-05

Parameter 5: a1: -0.317, a2: -0.001; b2: 0.222, b3: 0.125, with score: 2.536e-05

Parameter 6: a1: -0.252, a2: -0.013; b2: 0.170, b3: 0.165, with score: 2.257e-05

Parameter 7: a1: -0.317, a2: -0.001; b2: 0.222, b3: 0.125, with score: 2.536e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Mutated parameters(individuals) for iteration 60:

[[-0.28500218545948375, -0.01306591269198378, 0.16026794175329867, 0.2720630005893073], [-0.3216009306515529, -0.0151251184078385, 0.2443389038067742, 0.17369465813277354], [-0.2636815970648435, -0.012497791518846169, 0.150385486443956, 0.21445308741582736], [-0.2755532111623941, -0.010160567054531933, 0.16616481479616493, 0.24422438954766548], [-0.32836784785394785, -0.007876512009136562, 0.23490582712584893, 0.1084987264789865], [-0.243835219645312, -0.026793430544181564, 0.1765943444295235, 0.1486275020255375], [-0.32316292631455457, -0.011888676946570791, 0.2357072637396332, 0.1346725660950044], [-0.2758784858125421, -0.03109196927246663, 0.16438176954824082, 0.19520285143388344], [-0.2709824805074534, -0.019083496648692626, 0.17617753549091042, 0.20598317357474458], [-0.2668204109017242, -0.00409436243340801, 0.15117555029159113, 0.2298283785136453], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 61

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P14

------ Evaluation time for iteration62: 1287 ------

Indices selected for iteration 61: [4, 3, 1, 7, 5, 0, 4, 14, 14, 14]

Iteration 62: SCORES:

Parameter 1: a1: -0.328, a2: -0.008; b2: 0.235, b3: 0.108, with score: 2.615e-05

Parameter 2: a1: -0.276, a2: -0.010; b2: 0.166, b3: 0.244, with score: 2.493e-05

Parameter 3: a1: -0.322, a2: -0.015; b2: 0.244, b3: 0.174, with score: 1.774e-05

Parameter 4: a1: -0.276, a2: -0.031; b2: 0.164, b3: 0.195, with score: 2.254e-05

Parameter 5: a1: -0.244, a2: -0.027; b2: 0.177, b3: 0.149, with score: 2.696e-05

Parameter 6: a1: -0.285, a2: -0.013; b2: 0.160, b3: 0.272, with score: 2.299e-05

Parameter 7: a1: -0.328, a2: -0.008; b2: 0.235, b3: 0.108, with score: 2.615e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Mutated parameters(individuals) for iteration 61:

[[-0.339457727812626, -0.007062009340738883, 0.2280653908037029, 0.1163312388205508], [-0.2593857897004994, -0.0018034008180802894, 0.15841292024204207, 0.26167296622151387], [-0.31478027307271156, -0.04058813324728387, 0.24965734133139986, 0.17440340683013095], [-0.2801429860795739, -0.037748766313486455, 0.1668488278122364, 0.1672271470764307], [-0.2307067864980445, -0.02358001041669504, 0.16262419497299885, 0.13831208520889898], [-0.29193601102493183, -0.024757129014510243, 0.14573683642957455, 0.2488130897426814], [-0.3129332935857388, -0.0013659552932530081, 0.24960876712326924, 0.08219528926634578], [-0.26271948608262047, -0.0314714608258252, 0.15909596983198326, 0.19466973193994194], [-0.2788268439866511, -0.028655523575423385, 0.15735486733492862, 0.17969334119011063], [-0.2600062773101018, -0.007292574184014092, 0.1627387258429342, 0.20368301659324323], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 62

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

------ Evaluation time for iteration63: 1281 ------

Indices selected for iteration 62: [4, 9, 4, 3, 4, 7, 1, 10, 10, 10]

Iteration 63: SCORES:

Parameter 1: a1: -0.231, a2: -0.024; b2: 0.163, b3: 0.138, with score: 1.772e-05

Parameter 2: a1: -0.260, a2: -0.007; b2: 0.163, b3: 0.204, with score: 2.605e-05

Parameter 3: a1: -0.231, a2: -0.024; b2: 0.163, b3: 0.138, with score: 1.772e-05

Parameter 4: a1: -0.280, a2: -0.038; b2: 0.167, b3: 0.167, with score: 2.091e-05

Parameter 5: a1: -0.231, a2: -0.024; b2: 0.163, b3: 0.138, with score: 1.772e-05

Parameter 6: a1: -0.263, a2: -0.031; b2: 0.159, b3: 0.195, with score: 2.421e-05

Parameter 7: a1: -0.259, a2: -0.002; b2: 0.158, b3: 0.262, with score: 1.822e-05

Parameter 8: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.846e-05

Parameter 9: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.846e-05

Parameter 10: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.846e-05

Mutated parameters(individuals) for iteration 62:

[[-0.20363187995733456, -0.02951052910631078, 0.15787148087233832, 0.15456523204566086], [-0.2712093432427319, -0.003409219882704875, 0.15238939799413867, 0.17595525203487392], [-0.2209166150520109, -0.04875279068528593, 0.1465606142924834, 0.0862214455916739], [-0.3024056162928815, -0.05725228195228897, 0.17265117924059925, 0.2070421456436946], [-0.20881639056726245, -0.03257167443648867, 0.15819353559390306, 0.11588316034167173], [-0.26289444914325505, -0.04547023957839197, 0.15759029470817934, 0.17032194868758627], [-0.26620724335079243, -0.006288440768673805, 0.16855697333560948, 0.2509126656433342], [-0.2690204839164587, -0.009016508376579949, 0.17039727644528654, 0.1910185340640284], [-0.273498097366843, -0.027680663440881652, 0.1702314529180745, 0.23280455801847635], [-0.27559379951903706, -0.021403277200047605, 0.17820738423966456, 0.2146882737364404], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635], [-0.26825186280389235, -0.01870379531308026, 0.16469868769482254, 0.20853356277957635]]

------ Iteration 63

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

------ Evaluation time for iteration64: 1290 ------

Indices selected for iteration 63: [1, 4, 10, 5, 2, 8, 6, 6, 6, 6]

Iteration 64: SCORES:

Parameter 1: a1: -0.271, a2: -0.003; b2: 0.152, b3: 0.176, with score: 2.333e-05

Parameter 2: a1: -0.209, a2: -0.033; b2: 0.158, b3: 0.116, with score: 2.435e-05

Parameter 3: a1: -0.268, a2: -0.019; b2: 0.165, b3: 0.209, with score: 2.724e-05

Parameter 4: a1: -0.263, a2: -0.045; b2: 0.158, b3: 0.170, with score: 2.774e-05

Parameter 5: a1: -0.221, a2: -0.049; b2: 0.147, b3: 0.086, with score: 2.263e-05

Parameter 6: a1: -0.273, a2: -0.028; b2: 0.170, b3: 0.233, with score: 2.724e-05

Parameter 7: a1: -0.266, a2: -0.006; b2: 0.169, b3: 0.251, with score: 2.923e-05

Parameter 8: a1: -0.266, a2: -0.006; b2: 0.169, b3: 0.251, with score: 2.923e-05

Parameter 9: a1: -0.266, a2: -0.006; b2: 0.169, b3: 0.251, with score: 2.923e-05

Parameter 10: a1: -0.266, a2: -0.006; b2: 0.169, b3: 0.251, with score: 2.923e-05

Mutated parameters(individuals) for iteration 63:

[[-0.28637743653071634, -0.019438455638414683, 0.14968639437474945, 0.18079558289070247], [-0.20084229775353524, -0.016351593207223174, 0.15159753371702284, 0.10648039645483492], [-0.2691229454739229, -0.033198639668175614, 0.16827145124391796, 0.20552009077932987], [-0.2504097124982012, -0.04573631714056184, 0.156552429114845, 0.14663003316062548], [-0.24158678767152972, -0.0324999104990372, 0.1350838416235826, 0.04443649435515837], [-0.26728239014488764, -0.024652005792354423, 0.15879831570835376, 0.25341432195554664], [-0.25619364262922584, -0.013696296228082307, 0.175185622729698, 0.2749808138676451], [-0.25662985978919334, -0.012054914887632207, 0.17859798414536981, 0.2755505078535023], [-0.26837290860380836, -0.008430754381165946, 0.17177197282513926, 0.2536705456095191], [-0.2572119358761589, -0.0034096358272634303, 0.16329972412279675, 0.24151558508132434], [-0.26620724335079243, -0.006288440768673805, 0.16855697333560948, 0.2509126656433342], [-0.26620724335079243, -0.006288440768673805, 0.16855697333560948, 0.2509126656433342], [-0.26620724335079243, -0.006288440768673805, 0.16855697333560948, 0.2509126656433342], [-0.26620724335079243, -0.006288440768673805, 0.16855697333560948, 0.2509126656433342], [-0.26620724335079243, -0.006288440768673805, 0.16855697333560948, 0.2509126656433342]]

------ Iteration 64

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P10

------ Evaluation time for iteration65: 1294 ------

Indices selected for iteration 64: [8, 4, 3, 3, 1, 7, 6, 1, 1, 1]

Iteration 65: SCORES:

Parameter 1: a1: -0.268, a2: -0.008; b2: 0.172, b3: 0.254, with score: 2.385e-05

Parameter 2: a1: -0.242, a2: -0.032; b2: 0.135, b3: 0.044, with score: 2.120e-05

Parameter 3: a1: -0.250, a2: -0.046; b2: 0.157, b3: 0.147, with score: 1.988e-05

Parameter 4: a1: -0.250, a2: -0.046; b2: 0.157, b3: 0.147, with score: 1.988e-05

Parameter 5: a1: -0.201, a2: -0.016; b2: 0.152, b3: 0.106, with score: 2.991e-05

Parameter 6: a1: -0.257, a2: -0.012; b2: 0.179, b3: 0.276, with score: 2.489e-05

Parameter 7: a1: -0.256, a2: -0.014; b2: 0.175, b3: 0.275, with score: 2.385e-05

Parameter 8: a1: -0.201, a2: -0.016; b2: 0.152, b3: 0.106, with score: 2.991e-05

Parameter 9: a1: -0.201, a2: -0.016; b2: 0.152, b3: 0.106, with score: 2.991e-05

Parameter 10: a1: -0.201, a2: -0.016; b2: 0.152, b3: 0.106, with score: 2.991e-05

Mutated parameters(individuals) for iteration 64:

[[-0.2691763610605235, -0.02316117516558238, 0.15428752348052388, 0.2450955242594804], [-0.2466263550444074, -0.05239196347464693, 0.1169605804106257, 0.04545335102728254], [-0.23593241999378556, -0.056103788604812, 0.1337056821505631, 0.1651100081883667], [-0.2391725334313815, -0.026015972417657154, 0.17585113867115507, 0.10584348938496096], [-0.1922983418214304, -0.016859068104799996, 0.1490797291500063, 0.09912400323366594], [-0.23958816911138248, -0.016513712607265876, 0.16108553657077326, 0.25266687531104304], [-0.26681071976850523, -0.0027329383116089494, 0.19283697593527918, 0.26499922820135224], [-0.2080727211259928, -0.01600780493332719, 0.14326475157854254, 0.12163589900079509], [-0.20683292258641306, -0.011350261600180924, 0.1552479487734695, 0.1269113578294938], [-0.20149690572135837, -0.02627940674195189, 0.1497785091845673, 0.09096863398908864], [-0.20084229775353524, -0.016351593207223174, 0.15159753371702284, 0.10648039645483492], [-0.20084229775353524, -0.016351593207223174, 0.15159753371702284, 0.10648039645483492], [-0.20084229775353524, -0.016351593207223174, 0.15159753371702284, 0.10648039645483492], [-0.20084229775353524, -0.016351593207223174, 0.15159753371702284, 0.10648039645483492], [-0.20084229775353524, -0.016351593207223174, 0.15159753371702284, 0.10648039645483492]]

------ Iteration 65

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P6

------ Evaluation time for iteration66: 1278 ------

Indices selected for iteration 65: [2, 4, 2, 5, 4, 7, 2, 9, 9, 9]

Iteration 66: SCORES:

Parameter 1: a1: -0.236, a2: -0.056; b2: 0.134, b3: 0.165, with score: 2.991e-05

Parameter 2: a1: -0.192, a2: -0.017; b2: 0.149, b3: 0.099, with score: 2.991e-05

Parameter 3: a1: -0.236, a2: -0.056; b2: 0.134, b3: 0.165, with score: 2.991e-05

Parameter 4: a1: -0.240, a2: -0.017; b2: 0.161, b3: 0.253, with score: 2.588e-05

Parameter 5: a1: -0.192, a2: -0.017; b2: 0.149, b3: 0.099, with score: 2.991e-05

Parameter 6: a1: -0.208, a2: -0.016; b2: 0.143, b3: 0.122, with score: 2.376e-05

Parameter 7: a1: -0.236, a2: -0.056; b2: 0.134, b3: 0.165, with score: 2.991e-05

Parameter 8: a1: -0.201, a2: -0.026; b2: 0.150, b3: 0.091, with score: 2.991e-05

Parameter 9: a1: -0.201, a2: -0.026; b2: 0.150, b3: 0.091, with score: 2.991e-05

Parameter 10: a1: -0.201, a2: -0.026; b2: 0.150, b3: 0.091, with score: 2.991e-05

Mutated parameters(individuals) for iteration 65:

[[-0.22620340771474534, -0.04773949023509665, 0.13919127738030804, 0.14519103123283011], [-0.19819984281672576, -0.01098463965551924, 0.15487715495651513, 0.10634598073895007], [-0.22823266974824422, -0.0642814851199564, 0.12328768551242175, 0.16052429720990363], [-0.24501400695874453, -0.027487394373583166, 0.17406906405728753, 0.2682998719728263], [-0.18192874470026751, -0.02173092039408038, 0.1549856563716409, 0.11159860476991523], [-0.2261671526449364, -0.025453844614175034, 0.16106749537170925, 0.0873384265252947], [-0.24273392397762325, -0.0625232641113862, 0.13986004322278953, 0.1605256788136431], [-0.20268344759785964, -0.037016898649139665, 0.14081499635686495, 0.10035745617744815], [-0.19934101981617774, -0.030483501422395327, 0.15709204235114244, 0.11243945402439108], [-0.21262054639379527, -0.017775097354022443, 0.14279174307082598, 0.11276186083648988], [-0.20149690572135837, -0.02627940674195189, 0.1497785091845673, 0.09096863398908864], [-0.20149690572135837, -0.02627940674195189, 0.1497785091845673, 0.09096863398908864], [-0.20149690572135837, -0.02627940674195189, 0.1497785091845673, 0.09096863398908864], [-0.20149690572135837, -0.02627940674195189, 0.1497785091845673, 0.09096863398908864], [-0.20149690572135837, -0.02627940674195189, 0.1497785091845673, 0.09096863398908864]]

------ Iteration 66

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration67: 1283 ------

Indices selected for iteration 66: [0, 5, 5, 1, 8, 6, 3, 2, 2, 2]

Iteration 67: SCORES:

Parameter 1: a1: -0.226, a2: -0.048; b2: 0.139, b3: 0.145, with score: 1.987e-05

Parameter 2: a1: -0.226, a2: -0.025; b2: 0.161, b3: 0.087, with score: 2.545e-05

Parameter 3: a1: -0.226, a2: -0.025; b2: 0.161, b3: 0.087, with score: 2.545e-05

Parameter 4: a1: -0.198, a2: -0.011; b2: 0.155, b3: 0.106, with score: 2.517e-05

Parameter 5: a1: -0.199, a2: -0.030; b2: 0.157, b3: 0.112, with score: 2.058e-05

Parameter 6: a1: -0.243, a2: -0.063; b2: 0.140, b3: 0.161, with score: 2.092e-05

Parameter 7: a1: -0.245, a2: -0.027; b2: 0.174, b3: 0.268, with score: 2.240e-05

Parameter 8: a1: -0.228, a2: -0.064; b2: 0.123, b3: 0.161, with score: 2.868e-05

Parameter 9: a1: -0.228, a2: -0.064; b2: 0.123, b3: 0.161, with score: 2.868e-05

Parameter 10: a1: -0.228, a2: -0.064; b2: 0.123, b3: 0.161, with score: 2.868e-05

Mutated parameters(individuals) for iteration 66:

[[-0.20351785867313663, -0.06692561216408453, 0.12117243765744362, 0.1116248026307615], [-0.22674694015478092, -0.02999286824167636, 0.14619034329123215, 0.07278279969294595], [-0.22814920062653424, -0.03378843846733158, 0.14744655122926553, 0.09989435889799424], [-0.20212680789326565, -0.0014543419184814103, 0.142262036250333, 0.10836678945336492], [-0.20439520111512552, -0.02880058326271607, 0.13822329977336717, 0.09914441800472794], [-0.23012237477512437, -0.04866725514716137, 0.15256096117894136, 0.11612060917944303], [-0.26316105604313533, -0.018212367888356177, 0.17652820055292198, 0.24550018818958502], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23249097348387132, -0.06409370117623334, 0.12946159635880855, 0.18397505146559898], [-0.24016462873994227, -0.061494015876829185, 0.129869127702152, 0.16242140738078273], [-0.22823266974824422, -0.0642814851199564, 0.12328768551242175, 0.16052429720990363], [-0.22823266974824422, -0.0642814851199564, 0.12328768551242175, 0.16052429720990363], [-0.22823266974824422, -0.0642814851199564, 0.12328768551242175, 0.16052429720990363], [-0.22823266974824422, -0.0642814851199564, 0.12328768551242175, 0.16052429720990363], [-0.22823266974824422, -0.0642814851199564, 0.12328768551242175, 0.16052429720990363]]

------ Iteration 67

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P7

------ Evaluation time for iteration68: 1285 ------

Indices selected for iteration 67: [2, 6, 3, 2, 6, 10, 4, 7, 7, 7]

Iteration 68: SCORES:

Parameter 1: a1: -0.228, a2: -0.034; b2: 0.147, b3: 0.100, with score: 2.208e-05

Parameter 2: a1: -0.263, a2: -0.018; b2: 0.177, b3: 0.246, with score: 1.682e-05

Parameter 3: a1: -0.202, a2: -0.001; b2: 0.142, b3: 0.108, with score: 2.313e-05

Parameter 4: a1: -0.228, a2: -0.034; b2: 0.147, b3: 0.100, with score: 2.208e-05

Parameter 5: a1: -0.263, a2: -0.018; b2: 0.177, b3: 0.246, with score: 1.682e-05

Parameter 6: a1: -0.228, a2: -0.064; b2: 0.123, b3: 0.161, with score: 2.841e-05

Parameter 7: a1: -0.204, a2: -0.029; b2: 0.138, b3: 0.099, with score: 1.923e-05

Parameter 8: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 9: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 10: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Mutated parameters(individuals) for iteration 67:

[[-0.22459894516481432, -0.035217420518315244, 0.16783823360048233, 0.11473298726951803], [-0.2575093117325793, -0.009785859271331139, 0.17693273873927406, 0.2949355040460494], [-0.21283594600175545, -0.012349507392035237, 0.1612066682833213, 0.12139065761627547], [-0.21668659625886383, -0.022947218738660437, 0.14962128665020838, 0.073891615006141], [-0.25658290009518364, -0.014817052288448464, 0.19408267052123224, 0.29356253367127033], [-0.22981034473947928, -0.07118482407610996, 0.1148654920071736, 0.18708661202902133], [-0.2119801962829881, -0.051372547004119806, 0.1524774282058641, 0.11388540188646924], [-0.23941063549695488, -0.05005984816227915, 0.11843949230948844, 0.1681529912580475], [-0.21914756907216534, -0.05165981411923595, 0.11900799704306192, 0.13361525539249033], [-0.2274634919875038, -0.05018211270025204, 0.12546216614915856, 0.1368166022838433], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993]]

------ Iteration 68

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P5

------ Evaluation time for iteration69: 1297 ------

Indices selected for iteration 68: [3, 3, 1, 6, 3, 3, 3, 13, 13, 13]

Iteration 69: SCORES:

Parameter 1: a1: -0.217, a2: -0.023; b2: 0.150, b3: 0.074, with score: 1.608e-05

Parameter 2: a1: -0.217, a2: -0.023; b2: 0.150, b3: 0.074, with score: 1.608e-05

Parameter 3: a1: -0.258, a2: -0.010; b2: 0.177, b3: 0.295, with score: 2.290e-05

Parameter 4: a1: -0.212, a2: -0.051; b2: 0.152, b3: 0.114, with score: 2.225e-05

Parameter 5: a1: -0.217, a2: -0.023; b2: 0.150, b3: 0.074, with score: 1.608e-05

Parameter 6: a1: -0.217, a2: -0.023; b2: 0.150, b3: 0.074, with score: 1.608e-05

Parameter 7: a1: -0.217, a2: -0.023; b2: 0.150, b3: 0.074, with score: 1.608e-05

Parameter 8: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 9: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 10: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Mutated parameters(individuals) for iteration 68:

[[-0.2079145003582378, -0.04565598206858751, 0.1654591719268889, 0.10444125077318411], [-0.1994574938876506, -0.04920239262100544, 0.13673181282230937, 0.10986571107999957], [-0.2586830015354328, -0.004798045790179405, 0.17985649445558627, 0.258287009055399], [-0.2250819778593177, -0.03471099880355946, 0.17076710137709097, 0.14085075477565268], [-0.22837513733230994, -0.009461665233355591, 0.1689737296290886, 0.06507991304164329], [-0.213259726891089, -0.02416217378825138, 0.14911159215007486, 0.078764161086615], [-0.2284192734554658, -0.022947074788184564, 0.16846446275151442, 0.057205584461882376], [-0.232746179812298, -0.06617825777772765, 0.11182997257808393, 0.13390880783566883], [-0.2309846091300832, -0.0684092699793161, 0.11267191258988145, 0.1789479409387164], [-0.22523468610816685, -0.04944584348936278, 0.11656635266619725, 0.1621512141752189], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993]]

------ Iteration 69

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P14

------ Evaluation time for iteration70: 1287 ------

Indices selected for iteration 69: [6, 6, 5, 1, 2, 10, 4, 14, 14, 14]

Iteration 70: SCORES:

Parameter 1: a1: -0.228, a2: -0.023; b2: 0.168, b3: 0.057, with score: 1.827e-05

Parameter 2: a1: -0.228, a2: -0.023; b2: 0.168, b3: 0.057, with score: 1.827e-05

Parameter 3: a1: -0.213, a2: -0.024; b2: 0.149, b3: 0.079, with score: 1.984e-05

Parameter 4: a1: -0.199, a2: -0.049; b2: 0.137, b3: 0.110, with score: 1.656e-05

Parameter 5: a1: -0.259, a2: -0.005; b2: 0.180, b3: 0.258, with score: 2.128e-05

Parameter 6: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.213e-05

Parameter 7: a1: -0.228, a2: -0.009; b2: 0.169, b3: 0.065, with score: 1.684e-05

Parameter 8: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 9: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 10: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Mutated parameters(individuals) for iteration 69:

[[-0.23950955503083993, -0.040028713092767905, 0.14252994662092802, 0.09600530336454821], [-0.24857646024649796, -0.01113442924948283, 0.14640346129987422, 0.03463398168844076], [-0.21688634054090355, -0.005284448317903017, 0.16786770712800914, 0.04546242245453059], [-0.17617304751475926, -0.04337339162794327, 0.12051442748853669, 0.1396398671216743], [-0.26997662328213756, -0.006885463660228982, 0.17252625373955024, 0.23115698066074614], [-0.20929594215671962, -0.04857359749223844, 0.12049392678139924, 0.17576968015768696], [-0.2517274266431637, -0.00888490299494253, 0.1645570793720938, 0.08750316758204099], [-0.23299770599710248, -0.0431133759588536, 0.12266179612702989, 0.16936830028231784], [-0.22739550047911983, -0.05765236772363299, 0.11324170673704105, 0.16145964067539556], [-0.2418660105465519, -0.04287739245628691, 0.11235218421517455, 0.14816056462431107], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993]]

------ Iteration 70

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P9

------ Evaluation time for iteration71: 1276 ------

Indices selected for iteration 70: [4, 0, 4, 7, 4, 6, 2, 12, 12, 12]

Iteration 71: SCORES:

Parameter 1: a1: -0.270, a2: -0.007; b2: 0.173, b3: 0.231, with score: 2.210e-05

Parameter 2: a1: -0.240, a2: -0.040; b2: 0.143, b3: 0.096, with score: 1.607e-05

Parameter 3: a1: -0.270, a2: -0.007; b2: 0.173, b3: 0.231, with score: 2.210e-05

Parameter 4: a1: -0.233, a2: -0.043; b2: 0.123, b3: 0.169, with score: 2.876e-05

Parameter 5: a1: -0.270, a2: -0.007; b2: 0.173, b3: 0.231, with score: 2.210e-05

Parameter 6: a1: -0.252, a2: -0.009; b2: 0.165, b3: 0.088, with score: 2.876e-05

Parameter 7: a1: -0.217, a2: -0.005; b2: 0.168, b3: 0.045, with score: 1.986e-05

Parameter 8: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 9: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 10: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Mutated parameters(individuals) for iteration 70:

[[-0.25391990614360527, -0.009533664330387616, 0.17151933918793705, 0.27219375695257325], [-0.21445078518929134, -0.042416028714409776, 0.131215580818974, 0.08241403448761414], [-0.2804452315387012, -0.004621862821260941, 0.1765190729901694, 0.20752724233617367], [-0.23031935117430732, -0.04301575615459779, 0.12970183781422595, 0.18269377543382542], [-0.2765379154090427, -0.0032271252001474207, 0.17548356132819848, 0.1990179147733607], [-0.25700050566599825, -0.004957200231364639, 0.1541772839193363, 0.09023054965783299], [-0.20275220387753892, -0.010243885870593366, 0.17469813810285792, 0.021630908344611153], [-0.2358826163698314, -0.06062281106977934, 0.12101057193275747, 0.16748794233042583], [-0.21837436815548691, -0.057498413198253086, 0.11776130813365732, 0.16226306773780322], [-0.23929310554532424, -0.053302856304168984, 0.11785142474421666, 0.16515464685255454], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993]]

------ Iteration 71

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P9

------ Evaluation time for iteration72: 1279 ------

Indices selected for iteration 71: [9, 9, 5, 4, 3, 3, 4, 12, 12, 12]

Iteration 72: SCORES:

Parameter 1: a1: -0.239, a2: -0.053; b2: 0.118, b3: 0.165, with score: 2.474e-05

Parameter 2: a1: -0.239, a2: -0.053; b2: 0.118, b3: 0.165, with score: 2.474e-05

Parameter 3: a1: -0.257, a2: -0.005; b2: 0.154, b3: 0.090, with score: 2.554e-05

Parameter 4: a1: -0.277, a2: -0.003; b2: 0.175, b3: 0.199, with score: 2.327e-05

Parameter 5: a1: -0.230, a2: -0.043; b2: 0.130, b3: 0.183, with score: 2.123e-05

Parameter 6: a1: -0.230, a2: -0.043; b2: 0.130, b3: 0.183, with score: 2.123e-05

Parameter 7: a1: -0.277, a2: -0.003; b2: 0.175, b3: 0.199, with score: 2.327e-05

Parameter 8: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 9: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Parameter 10: a1: -0.231, a2: -0.056; b2: 0.125, b3: 0.155, with score: 2.876e-05

Mutated parameters(individuals) for iteration 71:

[[-0.22199138685361378, -0.051608576133984556, 0.10627575757658222, 0.1824985855600438], [-0.23724749775546433, -0.06918497344762187, 0.10598300720921044, 0.17376870313374154], [-0.2709451886490724, -0.013291046493728165, 0.14253810062083735, 0.0770925693587375], [-0.27445242253406493, -0.013384764948027828, 0.16035595938962807, 0.23440713673804045], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2360194167065129, -0.02099233597088416, 0.12136558313894077, 0.16951541180012797], [-0.2822578445903148, -0.021809903334886346, 0.16751031284340576, 0.18517195387569146], [-0.22342148211436058, -0.05576845283303415, 0.12971412053475706, 0.14941399037460446], [-0.22912352442238923, -0.05203755552313802, 0.1250980210896098, 0.14384952537960294], [-0.23039331415864997, -0.054697412029239716, 0.12452594596214213, 0.16459294693141438], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993], [-0.23088966291798846, -0.05597327875800549, 0.12462412029660233, 0.15492462693613993]]

------ Iteration 72

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P10

------ Evaluation time for iteration73: 1287 ------

Indices selected for iteration 72: [3, 2, 6, 1, 1, 1, 4, 4, 4, 4]

Iteration 73: SCORES:

Parameter 1: a1: -0.274, a2: -0.013; b2: 0.160, b3: 0.234, with score: 2.650e-05

Parameter 2: a1: -0.271, a2: -0.013; b2: 0.143, b3: 0.077, with score: 2.383e-05

Parameter 3: a1: -0.282, a2: -0.022; b2: 0.168, b3: 0.185, with score: 2.372e-05

Parameter 4: a1: -0.237, a2: -0.069; b2: 0.106, b3: 0.174, with score: 2.601e-05

Parameter 5: a1: -0.237, a2: -0.069; b2: 0.106, b3: 0.174, with score: 2.601e-05

Parameter 6: a1: -0.237, a2: -0.069; b2: 0.106, b3: 0.174, with score: 2.601e-05

Parameter 7: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.953e-05

Parameter 8: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.953e-05

Parameter 9: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.953e-05

Parameter 10: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.953e-05

Mutated parameters(individuals) for iteration 72:

[[-0.2674132028511364, -0.007934812711127979, 0.17637686224080687, 0.24290635509464578], [-0.2723782867496921, -0.02047465797763331, 0.14678405734845965, 0.05829842729823031], [-0.28945880554640513, -0.013722587235847294, 0.17314733707543328, 0.2226309901827195], [-0.24374801903752016, -0.06491246810937126, 0.1199920619300519, 0.1835440332956365], [-0.23535018546183298, -0.07068954645250933, 0.12134959395274345, 0.1643871501398425], [-0.2372327634133091, -0.054359914093078554, 0.08987774268104487, 0.20105757687945075], [-0.26141861564828217, -0.036072491227266724, 0.14622645353497735, 0.14154546655781983], [-0.2525947233163004, -0.032207705904162436, 0.12291788456320218, 0.16612393116563792], [-0.2522270694991622, -0.040728544943768756, 0.12444832534032585, 0.16571441912990426], [-0.25538696343512285, -0.035608367515871424, 0.14382392100275745, 0.16165464996663187], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702]]

------ Iteration 73

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P6

------ Evaluation time for iteration74: 1280 ------

Indices selected for iteration 73: [2, 10, 4, 5, 4, 3, 0, 14, 14, 14]

Iteration 74: SCORES:

Parameter 1: a1: -0.289, a2: -0.014; b2: 0.173, b3: 0.223, with score: 2.383e-05

Parameter 2: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.475e-05

Parameter 3: a1: -0.235, a2: -0.071; b2: 0.121, b3: 0.164, with score: 2.383e-05

Parameter 4: a1: -0.237, a2: -0.054; b2: 0.090, b3: 0.201, with score: 2.383e-05

Parameter 5: a1: -0.235, a2: -0.071; b2: 0.121, b3: 0.164, with score: 2.383e-05

Parameter 6: a1: -0.244, a2: -0.065; b2: 0.120, b3: 0.184, with score: 2.383e-05

Parameter 7: a1: -0.267, a2: -0.008; b2: 0.176, b3: 0.243, with score: 1.408e-05

Parameter 8: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.577e-05

Parameter 9: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.577e-05

Parameter 10: a1: -0.251, a2: -0.038; b2: 0.135, b3: 0.148, with score: 2.577e-05

Mutated parameters(individuals) for iteration 73:

[[-0.3034722743237969, -0.019186323810799405, 0.15619422445584225, 0.252170584042742], [-0.2358711130043102, -0.027217464726158037, 0.12066157911634415, 0.16797423252860458], [-0.2211828693458641, -0.053380869657731006, 0.11493372523085257, 0.16561027089224406], [-0.25194821503058945, -0.04343340363506569, 0.07600194306603729, 0.22363670587897047], [-0.21974817845318326, -0.08137282721334847, 0.10383684094467793, 0.1704381993081858], [-0.2301587737788376, -0.0642409799777938, 0.11884589220589711, 0.21551598674019704], [-0.24337426613275576, -0.011478274007969327, 0.18329840658198268, 0.20175002147581744], [-0.2596901158022772, -0.04168884600125972, 0.13041476587170983, 0.11476517700941363], [-0.2538302849134151, -0.03232545830132725, 0.14676073791936947, 0.159714409771963], [-0.2620161397912356, -0.03422257077520102, 0.14860522537481693, 0.17134530892562555], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702], [-0.2506471940454006, -0.038210300205474716, 0.13479055568919437, 0.14778970550290702]]

------ Iteration 74

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P6

------ Evaluation time for iteration75: 1292 ------

Indices selected for iteration 74: [6, 9, 2, 4, 4, 2, 5, 8, 8, 8]

Iteration 75: SCORES:

Parameter 1: a1: -0.243, a2: -0.011; b2: 0.183, b3: 0.202, with score: 2.383e-05

Parameter 2: a1: -0.262, a2: -0.034; b2: 0.149, b3: 0.171, with score: 2.543e-05

Parameter 3: a1: -0.221, a2: -0.053; b2: 0.115, b3: 0.166, with score: 2.383e-05

Parameter 4: a1: -0.220, a2: -0.081; b2: 0.104, b3: 0.170, with score: 2.383e-05

Parameter 5: a1: -0.220, a2: -0.081; b2: 0.104, b3: 0.170, with score: 2.383e-05

Parameter 6: a1: -0.221, a2: -0.053; b2: 0.115, b3: 0.166, with score: 2.383e-05

Parameter 7: a1: -0.230, a2: -0.064; b2: 0.119, b3: 0.216, with score: 2.276e-05

Parameter 8: a1: -0.254, a2: -0.032; b2: 0.147, b3: 0.160, with score: 3.025e-05

Parameter 9: a1: -0.254, a2: -0.032; b2: 0.147, b3: 0.160, with score: 3.025e-05

Parameter 10: a1: -0.254, a2: -0.032; b2: 0.147, b3: 0.160, with score: 3.025e-05

Mutated parameters(individuals) for iteration 74:

[[-0.24584378279427108, -0.010209001209149148, 0.18853539445452205, 0.21278647812141327], [-0.24643177698304133, -0.02381173269439507, 0.13775926215495757, 0.1441267864388805], [-0.20290458636435765, -0.05156236908973603, 0.10202593181076026, 0.19306509274688421], [-0.2272961482273775, -0.09515596604674217, 0.0917994896987978, 0.18831649013030433], [-0.23618742479933677, -0.09380234680012493, 0.10257160286934841, 0.14461363987199377], [-0.2370391149243411, -0.045252789403225545, 0.13205680925882574, 0.12728020554901567], [-0.22892699722914697, -0.07716364222014158, 0.11161090372460758, 0.2508407888682297], [-0.2560206030882373, -0.03752483547381896, 0.1501732680622631, 0.17851334621833392], [-0.24821701836565935, -0.03287698889040749, 0.1552455993086425, 0.15334985353824482], [-0.2549143192433286, -0.04020344152302491, 0.15413363025199728, 0.15439304749639107], [-0.2538302849134151, -0.03232545830132725, 0.14676073791936947, 0.159714409771963], [-0.2538302849134151, -0.03232545830132725, 0.14676073791936947, 0.159714409771963], [-0.2538302849134151, -0.03232545830132725, 0.14676073791936947, 0.159714409771963], [-0.2538302849134151, -0.03232545830132725, 0.14676073791936947, 0.159714409771963], [-0.2538302849134151, -0.03232545830132725, 0.14676073791936947, 0.159714409771963]]

------ Iteration 75

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

------ Evaluation time for iteration76: 1302 ------

Indices selected for iteration 75: [1, 4, 7, 3, 0, 3, 7, 0, 0, 0]

Iteration 76: SCORES:

Parameter 1: a1: -0.246, a2: -0.024; b2: 0.138, b3: 0.144, with score: 2.177e-05

Parameter 2: a1: -0.236, a2: -0.094; b2: 0.103, b3: 0.145, with score: 2.276e-05

Parameter 3: a1: -0.256, a2: -0.038; b2: 0.150, b3: 0.179, with score: 2.276e-05

Parameter 4: a1: -0.227, a2: -0.095; b2: 0.092, b3: 0.188, with score: 2.087e-05

Parameter 5: a1: -0.246, a2: -0.010; b2: 0.189, b3: 0.213, with score: 2.869e-05

Parameter 6: a1: -0.227, a2: -0.095; b2: 0.092, b3: 0.188, with score: 2.087e-05

Parameter 7: a1: -0.256, a2: -0.038; b2: 0.150, b3: 0.179, with score: 2.276e-05

Parameter 8: a1: -0.246, a2: -0.010; b2: 0.189, b3: 0.213, with score: 2.869e-05

Parameter 9: a1: -0.246, a2: -0.010; b2: 0.189, b3: 0.213, with score: 2.869e-05

Parameter 10: a1: -0.246, a2: -0.010; b2: 0.189, b3: 0.213, with score: 2.869e-05

Mutated parameters(individuals) for iteration 75:

[[-0.23610118545958997, -0.04085925678476378, 0.11742765371472862, 0.1648878925813592], [-0.25682193456605806, -0.07772073931235471, 0.12269721699146403, 0.18509853970551438], [-0.26400266264157274, -0.019491020333721867, 0.14554856119852325, 0.1587128812708178], [-0.23722444813643181, -0.10929201774397446, 0.08341404450874948, 0.18904305719757766], [-0.25849433054461635, -0.013860013709197674, 0.17823016147840445, 0.23328252615405365], [-0.22014688979899624, -0.11780026056984959, 0.10003668247032754, 0.2342082257451264], [-0.2677077139751872, -0.05153076854607323, 0.15700508369639637, 0.1709844172588859], [-0.25773168885479425, -0.012030334930282572, 0.18498671517518817, 0.19495925984831827], [-0.25634171145393275, -0.022070949748420637, 0.1961785627754667, 0.19703142978076904], [-0.2532908239776409, -0.01675985166677386, 0.1807332396822377, 0.20786314199328074], [-0.24584378279427108, -0.010209001209149148, 0.18853539445452205, 0.21278647812141327], [-0.24584378279427108, -0.010209001209149148, 0.18853539445452205, 0.21278647812141327], [-0.24584378279427108, -0.010209001209149148, 0.18853539445452205, 0.21278647812141327], [-0.24584378279427108, -0.010209001209149148, 0.18853539445452205, 0.21278647812141327], [-0.24584378279427108, -0.010209001209149148, 0.18853539445452205, 0.21278647812141327]]

------ Iteration 76

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P6

------ Evaluation time for iteration77: 1304 ------

Indices selected for iteration 76: [3, 4, 6, 0, 2, 4, 4, 2, 2, 2]

Iteration 77: SCORES:

Parameter 1: a1: -0.237, a2: -0.109; b2: 0.083, b3: 0.189, with score: 2.730e-05

Parameter 2: a1: -0.258, a2: -0.014; b2: 0.178, b3: 0.233, with score: 2.262e-05

Parameter 3: a1: -0.268, a2: -0.052; b2: 0.157, b3: 0.171, with score: 2.330e-05

Parameter 4: a1: -0.236, a2: -0.041; b2: 0.117, b3: 0.165, with score: 2.695e-05

Parameter 5: a1: -0.264, a2: -0.019; b2: 0.146, b3: 0.159, with score: 2.781e-05

Parameter 6: a1: -0.258, a2: -0.014; b2: 0.178, b3: 0.233, with score: 2.262e-05

Parameter 7: a1: -0.258, a2: -0.014; b2: 0.178, b3: 0.233, with score: 2.262e-05

Parameter 8: a1: -0.264, a2: -0.019; b2: 0.146, b3: 0.159, with score: 2.781e-05

Parameter 9: a1: -0.264, a2: -0.019; b2: 0.146, b3: 0.159, with score: 2.781e-05

Parameter 10: a1: -0.264, a2: -0.019; b2: 0.146, b3: 0.159, with score: 2.781e-05

Mutated parameters(individuals) for iteration 76:

[[-0.2503823046982122, -0.10459802813559171, 0.0853014239188379, 0.18147896272322617], [-0.27453371480854666, -0.012825022793231371, 0.16457581968937776, 0.25483691638825856], [-0.2608537330569715, -0.038438233644467135, 0.14928879157300082, 0.19809613334209847], [-0.24479947570789448, -0.05335657675373434, 0.11725139990638676, 0.13451180397675183], [-0.2497134800357151, -0.017712833217701583, 0.15735397866365847, 0.18310360324435482], [-0.24189518941639507, -0.0016656570436226446, 0.17337465157547866, 0.24315877072100756], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.25989073929134787, -0.008225276075368165, 0.15967074284224986, 0.167262006733782], [-0.2536564693416732, -0.031219982707761326, 0.15375810281324903, 0.1783082707448291], [-0.27694359310785355, -0.01808228397051279, 0.1367557828528118, 0.16952088300587873], [-0.26400266264157274, -0.019491020333721867, 0.14554856119852325, 0.1587128812708178], [-0.26400266264157274, -0.019491020333721867, 0.14554856119852325, 0.1587128812708178], [-0.26400266264157274, -0.019491020333721867, 0.14554856119852325, 0.1587128812708178], [-0.26400266264157274, -0.019491020333721867, 0.14554856119852325, 0.1587128812708178], [-0.26400266264157274, -0.019491020333721867, 0.14554856119852325, 0.1587128812708178]]

------ Iteration 77

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P7

------ Evaluation time for iteration78: 1287 ------

Indices selected for iteration 77: [2, 2, 4, 3, 6, 4, 5, 6, 6, 6]

Iteration 78: SCORES:

Parameter 1: a1: -0.261, a2: -0.038; b2: 0.149, b3: 0.198, with score: 2.695e-05

Parameter 2: a1: -0.261, a2: -0.038; b2: 0.149, b3: 0.198, with score: 2.695e-05

Parameter 3: a1: -0.250, a2: -0.018; b2: 0.157, b3: 0.183, with score: 2.695e-05

Parameter 4: a1: -0.245, a2: -0.053; b2: 0.117, b3: 0.135, with score: 2.695e-05

Parameter 5: a1: -0.273, a2: -0.021; b2: 0.186, b3: 0.271, with score: 2.863e-05

Parameter 6: a1: -0.250, a2: -0.018; b2: 0.157, b3: 0.183, with score: 2.695e-05

Parameter 7: a1: -0.242, a2: -0.002; b2: 0.173, b3: 0.243, with score: 1.911e-05

Parameter 8: a1: -0.273, a2: -0.021; b2: 0.186, b3: 0.271, with score: 2.863e-05

Parameter 9: a1: -0.273, a2: -0.021; b2: 0.186, b3: 0.271, with score: 2.863e-05

Parameter 10: a1: -0.273, a2: -0.021; b2: 0.186, b3: 0.271, with score: 2.863e-05

Mutated parameters(individuals) for iteration 77:

[[-0.24645595497427195, -0.04041456081763323, 0.1510260706040141, 0.17230149853378351], [-0.24701571822060467, -0.026315862433105245, 0.14295815709454998, 0.20763799040212494], [-0.24336998722851233, -0.01158748573366438, 0.1531232156406967, 0.16532212838508942], [-0.2417020447190296, -0.04120245867230596, 0.1143299619786672, 0.1469803245513683], [-0.26056422251520667, -0.011273915079868146, 0.18440269016041583, 0.2651427573342795], [-0.2542450471506276, -0.01802987014203796, 0.16910375957170262, 0.18383439054736736], [-0.24445317944022324, -0.022667979181904344, 0.14785604182877737, 0.22611949955662658], [-0.27640467103874683, -0.008363191683040777, 0.18363408006985624, 0.26318235372311316], [-0.283367968789843, -0.022978665365225935, 0.1991386837299461, 0.25449236086509885], [-0.27392819648069694, -0.012833207112199761, 0.18841383210078128, 0.294604013252237], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426]]

------ Iteration 78

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

------ Evaluation time for iteration79: 1306 ------

Indices selected for iteration 78: [3, 3, 3, 4, 4, 1, 4, 14, 14, 14]

Iteration 79: SCORES:

Parameter 1: a1: -0.242, a2: -0.041; b2: 0.114, b3: 0.147, with score: 2.245e-05

Parameter 2: a1: -0.242, a2: -0.041; b2: 0.114, b3: 0.147, with score: 2.245e-05

Parameter 3: a1: -0.242, a2: -0.041; b2: 0.114, b3: 0.147, with score: 2.245e-05

Parameter 4: a1: -0.261, a2: -0.011; b2: 0.184, b3: 0.265, with score: 2.607e-05

Parameter 5: a1: -0.261, a2: -0.011; b2: 0.184, b3: 0.265, with score: 2.607e-05

Parameter 6: a1: -0.247, a2: -0.026; b2: 0.143, b3: 0.208, with score: 2.331e-05

Parameter 7: a1: -0.261, a2: -0.011; b2: 0.184, b3: 0.265, with score: 2.607e-05

Parameter 8: a1: -0.273, a2: -0.021; b2: 0.186, b3: 0.271, with score: 2.817e-05

Parameter 9: a1: -0.273, a2: -0.021; b2: 0.186, b3: 0.271, with score: 2.817e-05

Parameter 10: a1: -0.273, a2: -0.021; b2: 0.186, b3: 0.271, with score: 2.817e-05

Mutated parameters(individuals) for iteration 78:

[[-0.2327204619044635, -0.05334346288727308, 0.10223221053520076, 0.10755048385233082], [-0.2541009408212522, -0.030566226836769392, 0.09809906431239071, 0.13766795915394064], [-0.24996656215509563, -0.03143146515053799, 0.1316994622717388, 0.16992897570209473], [-0.2500079540135517, -0.027662163809763027, 0.19565224598079328, 0.2627264670812189], [-0.2677146559618725, -0.01183233854288057, 0.16997077924887674, 0.25648138881490434], [-0.2538447731985293, -0.04567951542604545, 0.14067701812262368, 0.16898239223116443], [-0.24842569505688822, -0.004079408463817876, 0.16994821529546292, 0.2775079876119282], [-0.2679348165315211, -0.009877981559667095, 0.19122838749289348, 0.29478485390189], [-0.2754476455729274, -0.023811053712329156, 0.18336747963150518, 0.29488351265381313], [-0.27009639277364744, -0.020888377133394406, 0.19402537707212505, 0.24995418942184477], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426], [-0.27302609088205704, -0.020992595568186802, 0.18633446346369045, 0.27066857328070426]]

------ Iteration 79

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

------ Evaluation time for iteration80: 1309 ------

Indices selected for iteration 79: [2, 5, 3, 5, 0, 3, 2, 3, 3, 3]

Iteration 80: SCORES:

Parameter 1: a1: -0.250, a2: -0.031; b2: 0.132, b3: 0.170, with score: 2.535e-05

Parameter 2: a1: -0.254, a2: -0.046; b2: 0.141, b3: 0.169, with score: 2.358e-05

Parameter 3: a1: -0.250, a2: -0.028; b2: 0.196, b3: 0.263, with score: 2.818e-05

Parameter 4: a1: -0.254, a2: -0.046; b2: 0.141, b3: 0.169, with score: 2.358e-05

Parameter 5: a1: -0.233, a2: -0.053; b2: 0.102, b3: 0.108, with score: 1.541e-05

Parameter 6: a1: -0.250, a2: -0.028; b2: 0.196, b3: 0.263, with score: 2.818e-05

Parameter 7: a1: -0.250, a2: -0.031; b2: 0.132, b3: 0.170, with score: 2.535e-05

Parameter 8: a1: -0.250, a2: -0.028; b2: 0.196, b3: 0.263, with score: 2.818e-05

Parameter 9: a1: -0.250, a2: -0.028; b2: 0.196, b3: 0.263, with score: 2.818e-05

Parameter 10: a1: -0.250, a2: -0.028; b2: 0.196, b3: 0.263, with score: 2.818e-05

Mutated parameters(individuals) for iteration 79:

[[-0.261296559189237, -0.017557193879987484, 0.13008901082029253, 0.17495004295341382], [-0.2589506112881549, -0.06374114471815413, 0.14457270408750256, 0.15161749853606998], [-0.24160031796475476, -0.032303378553349194, 0.18742296139463802, 0.2648419154580976], [-0.23748239829775097, -0.05950127138722547, 0.13280990957216035, 0.1559138028309527], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.25140218021126853, -0.02965307721682894, 0.1825273860109963, 0.24561479680183917], [-0.2545649729591741, -0.021988931814104447, 0.12980454732919977, 0.1859802002892481], [-0.25303501894342145, -0.036979950303983516, 0.1970111679768356, 0.25267966455752605], [-0.24168601038913698, -0.029109588998426663, 0.1974294375933991, 0.28028532526627703], [-0.23852027454696106, -0.031401312247356226, 0.1992250883627988, 0.2393615075999726], [-0.2500079540135517, -0.027662163809763027, 0.19565224598079328, 0.2627264670812189], [-0.2500079540135517, -0.027662163809763027, 0.19565224598079328, 0.2627264670812189], [-0.2500079540135517, -0.027662163809763027, 0.19565224598079328, 0.2627264670812189], [-0.2500079540135517, -0.027662163809763027, 0.19565224598079328, 0.2627264670812189], [-0.2500079540135517, -0.027662163809763027, 0.19565224598079328, 0.2627264670812189]]

------ Iteration 80

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P11

------ Evaluation time for iteration81: 1314 ------

Indices selected for iteration 80: [2, 4, 3, 2, 2, 1, 4, 4, 4, 4]

Iteration 81: SCORES:

Parameter 1: a1: -0.242, a2: -0.032; b2: 0.187, b3: 0.265, with score: 2.323e-05

Parameter 2: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.561e-05

Parameter 3: a1: -0.237, a2: -0.060; b2: 0.133, b3: 0.156, with score: 2.370e-05

Parameter 4: a1: -0.242, a2: -0.032; b2: 0.187, b3: 0.265, with score: 2.323e-05

Parameter 5: a1: -0.242, a2: -0.032; b2: 0.187, b3: 0.265, with score: 2.323e-05

Parameter 6: a1: -0.259, a2: -0.064; b2: 0.145, b3: 0.152, with score: 2.488e-05

Parameter 7: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.561e-05

Parameter 8: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.561e-05

Parameter 9: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.561e-05

Parameter 10: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.561e-05

Mutated parameters(individuals) for iteration 80:

[[-0.24801456059273203, -0.04264541127947614, 0.1999479005602848, 0.2472729212056517], [-0.27531289203433007, -0.03493670700211964, 0.11507269829456447, 0.11867305425889293], [-0.24093739946430295, -0.07278060001323412, 0.13837138393539014, 0.13922758236068775], [-0.24985205430144547, -0.013052890120873146, 0.1917715538347921, 0.2731463447436623], [-0.2314373484612899, -0.0151549718870785, 0.20202970963078437, 0.26569940591173485], [-0.264163326514067, -0.0744570702385231, 0.15069437862153953, 0.18616075051508532], [-0.2640860874728097, -0.053348373303294255, 0.13963583755805373, 0.0879590228080633], [-0.2657164703926456, -0.03040333465390637, 0.1414044379761898, 0.0763029725638247], [-0.2750958984813674, -0.03723773653210474, 0.13813927056390496, 0.06075888919513445], [-0.25690134664999564, -0.042510974443869066, 0.13989567945927986, 0.09026117809450442], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602]]

------ Iteration 81

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P5

------ Evaluation time for iteration82: 1258 ------

Indices selected for iteration 81: [4, 0, 1, 3, 5, 6, 11, 11, 11, 11]

Iteration 82: SCORES:

Parameter 1: a1: -0.231, a2: -0.015; b2: 0.202, b3: 0.266, with score: 1.168e-05

Parameter 2: a1: -0.248, a2: -0.043; b2: 0.200, b3: 0.247, with score: 1.321e-05

Parameter 3: a1: -0.275, a2: -0.035; b2: 0.115, b3: 0.119, with score: 1.115e-05

Parameter 4: a1: -0.250, a2: -0.013; b2: 0.192, b3: 0.273, with score: 1.168e-05

Parameter 5: a1: -0.264, a2: -0.074; b2: 0.151, b3: 0.186, with score: 1.168e-05

Parameter 6: a1: -0.264, a2: -0.053; b2: 0.140, b3: 0.088, with score: 1.168e-05

Parameter 7: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.157e-05

Parameter 8: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.157e-05

Parameter 9: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.157e-05

Parameter 10: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.157e-05

Mutated parameters(individuals) for iteration 81:

[[-0.2650022307483637, -0.04543191838491832, 0.17045322009281932, 0.27487221253712957], [-0.24520904790049466, -0.0549054453549378, 0.17217631977134423, 0.2391567200612117], [-0.2480106453099613, -0.016272247178252833, 0.12165570210986969, 0.08061095479361148], [-0.24256983082634537, -0.02746426142104033, 0.18956253078977972, 0.23346825649775965], [-0.24448441977309263, -0.0657404677953745, 0.15734376443575604, 0.14337682511045305], [-0.2358312718540411, -0.051047866947717964, 0.146697030075126, 0.11731065205333364], [-0.2689913483474525, -0.02593924312608633, 0.13065133333802062, 0.12469605241239426], [-0.24834401855074142, -0.031020769768385248, 0.1432968251138781, 0.09271687385463284], [-0.27539077440666115, -0.029512468789135653, 0.14027096730270297, 0.042152548303670136], [-0.28051006273877493, -0.0192109264079834, 0.14964639706277, 0.06964322915162939], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602]]

------ Iteration 82

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration83: 1261 ------

Indices selected for iteration 82: [4, 4, 3, 1, 11, 4, 5, 12, 12, 12]

Iteration 83: SCORES:

Parameter 1: a1: -0.244, a2: -0.066; b2: 0.157, b3: 0.143, with score: 1.168e-05

Parameter 2: a1: -0.244, a2: -0.066; b2: 0.157, b3: 0.143, with score: 1.168e-05

Parameter 3: a1: -0.243, a2: -0.027; b2: 0.190, b3: 0.233, with score: 1.168e-05

Parameter 4: a1: -0.245, a2: -0.055; b2: 0.172, b3: 0.239, with score: 1.829e-05

Parameter 5: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 1.974e-05

Parameter 6: a1: -0.244, a2: -0.066; b2: 0.157, b3: 0.143, with score: 1.168e-05

Parameter 7: a1: -0.236, a2: -0.051; b2: 0.147, b3: 0.117, with score: 1.168e-05

Parameter 8: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.416e-05

Parameter 9: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.416e-05

Parameter 10: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.416e-05

Mutated parameters(individuals) for iteration 82:

[[-0.24036981354341477, -0.052348328861420615, 0.12377866726961191, 0.12257979982150838], [-0.22790215798005686, -0.061634482724184994, 0.18722207875857932, 0.0914806148103141], [-0.2523855517191422, -0.004100195983274487, 0.16191271816307312, 0.18096082598460977], [-0.25399073087794416, -0.062077008942649295, 0.15993098668682676, 0.28379601082577927], [-0.2764318159805392, -0.03397219200315036, 0.1109579150235192, 0.09446490194066172], [-0.23127620125854456, -0.07859080175382621, 0.17959174787754972, 0.18861707619668389], [-0.20218512996768917, -0.04669857507109993, 0.13123246167820998, 0.1502585067714374], [-0.26741172718800016, -0.05118037082826919, 0.11923242375727124, 0.05752961190698359], [-0.25804952441397533, -0.05636188861886087, 0.13141153360554833, 0.09790562100730954], [-0.2714318656908739, -0.058524157394348464, 0.11797982910161647, 0.08402048330304066], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602]]

------ Iteration 83

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration84: 1267 ------

Indices selected for iteration 83: [2, 7, 5, 0, 7, 6, 7, 13, 13, 13]

Iteration 84: SCORES:

Parameter 1: a1: -0.252, a2: -0.004; b2: 0.162, b3: 0.181, with score: 1.168e-05

Parameter 2: a1: -0.267, a2: -0.051; b2: 0.119, b3: 0.058, with score: 1.303e-05

Parameter 3: a1: -0.231, a2: -0.079; b2: 0.180, b3: 0.189, with score: 8.205e-06

Parameter 4: a1: -0.240, a2: -0.052; b2: 0.124, b3: 0.123, with score: 1.179e-05

Parameter 5: a1: -0.267, a2: -0.051; b2: 0.119, b3: 0.058, with score: 1.303e-05

Parameter 6: a1: -0.202, a2: -0.047; b2: 0.131, b3: 0.150, with score: 1.168e-05

Parameter 7: a1: -0.267, a2: -0.051; b2: 0.119, b3: 0.058, with score: 1.303e-05

Parameter 8: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.801e-05

Parameter 9: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.801e-05

Parameter 10: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.801e-05

Mutated parameters(individuals) for iteration 83:

[[-0.2305068012909009, -0.02420628758993381, 0.1577193019281655, 0.12332216160183326], [-0.2860361400445685, -0.07227792195405074, 0.12795223404956416, 0.05449491628099612], [-0.237826171242121, -0.11202826661795454, 0.14195901534560412, 0.15323236691206], [-0.2690295861735294, -0.07607667673984146, 0.13190392519771232, 0.07396343817179257], [-0.2818048452346365, -0.05425214784441572, 0.12261183236660946, 0.0490303678956265], [-0.2242305138860505, -0.01832760471783405, 0.1387614641203793, 0.11275287459944142], [-0.23887523628670165, -0.08065224490374623, 0.12469427530185852, 0.09003149678279801], [-0.27405220146635156, -0.040374382498774675, 0.13787789582120633, 0.08796227695133732], [-0.2570610669455768, -0.04566883110774721, 0.1256070944402524, 0.10301620618199923], [-0.2745377643596979, -0.04455145206814358, 0.1359707982884702, 0.059097516767456504], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602]]

------ Iteration 84

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

------ Evaluation time for iteration85: 1223 ------

Indices selected for iteration 84: [1, 3, 1, 2, 4, 3, 9, 13, 13, 13]

Iteration 85: SCORES:

Parameter 1: a1: -0.286, a2: -0.072; b2: 0.128, b3: 0.054, with score: 1.264e-05

Parameter 2: a1: -0.269, a2: -0.076; b2: 0.132, b3: 0.074, with score: 1.277e-05

Parameter 3: a1: -0.286, a2: -0.072; b2: 0.128, b3: 0.054, with score: 1.264e-05

Parameter 4: a1: -0.238, a2: -0.112; b2: 0.142, b3: 0.153, with score: 1.085e-05

Parameter 5: a1: -0.282, a2: -0.054; b2: 0.123, b3: 0.049, with score: 1.133e-05

Parameter 6: a1: -0.269, a2: -0.076; b2: 0.132, b3: 0.074, with score: 1.277e-05

Parameter 7: a1: -0.275, a2: -0.045; b2: 0.136, b3: 0.059, with score: 1.071e-05

Parameter 8: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.272e-05

Parameter 9: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.272e-05

Parameter 10: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.272e-05

Mutated parameters(individuals) for iteration 84:

[[-0.31862605758692364, -0.07985915965853356, 0.158571748293736, 0.052480237923460404], [-0.23993183535746163, -0.06955577758675797, 0.11192773988952723, 0.1093064805234448], [-0.3083441845570452, -0.0502811710103962, 0.1223697492695631, 0.11155054834521999], [-0.26173613902471615, -0.1186953101025004, 0.10769266858118492, 0.19723664837116525], [-0.2598578714828532, -0.03236790410322325, 0.13868253190480936, 0.0994353412582194], [-0.25604213897160266, -0.045680210855249856, 0.1135672703771018, 0.11092678995854605], [-0.27718036091551357, -0.032006657895544334, 0.11722832184161378, 0.12197526591914884], [-0.2667664072442389, -0.020223463416795075, 0.12562210406150592, 0.07294550978711961], [-0.2598237399510288, -0.026336145254824785, 0.14871607270563017, 0.06316242092810821], [-0.27375358645660897, -0.02557974612339606, 0.1304229083149726, 0.11724459049156265], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602]]

------ Iteration 85

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration86: 1234 ------

Indices selected for iteration 85: [4, 0, 0, 1, 6, 2, 4, 14, 14, 14]

Iteration 86: SCORES:

Parameter 1: a1: -0.260, a2: -0.032; b2: 0.139, b3: 0.099, with score: 1.168e-05

Parameter 2: a1: -0.319, a2: -0.080; b2: 0.159, b3: 0.052, with score: 1.656e-05

Parameter 3: a1: -0.319, a2: -0.080; b2: 0.159, b3: 0.052, with score: 1.656e-05

Parameter 4: a1: -0.240, a2: -0.070; b2: 0.112, b3: 0.109, with score: 1.626e-05

Parameter 5: a1: -0.277, a2: -0.032; b2: 0.117, b3: 0.122, with score: 1.168e-05

Parameter 6: a1: -0.308, a2: -0.050; b2: 0.122, b3: 0.112, with score: 1.641e-05

Parameter 7: a1: -0.260, a2: -0.032; b2: 0.139, b3: 0.099, with score: 1.168e-05

Parameter 8: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.627e-05

Parameter 9: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.627e-05

Parameter 10: a1: -0.261, a2: -0.040; b2: 0.132, b3: 0.085, with score: 2.627e-05

Mutated parameters(individuals) for iteration 85:

[[-0.2757948937014627, -0.05331072527679041, 0.1523886307147072, 0.12448033795789834], [-0.3120626059770473, -0.0547534236572437, 0.1335238962717153, 0.08460446305308575], [-0.3131944216131414, -0.08297223276550324, 0.13499252052193897, 0.0862823634309186], [-0.2231954929099007, -0.04423556438478516, 0.10922519118974339, 0.062106762060943], [-0.2656896636289712, -0.012542708315240361, 0.13474528080392234, 0.0991217532909105], [-0.3002152882010854, -0.02887654507256722, 0.10450959255815606, 0.13887034405908305], [-0.2625528461866039, -0.05727780648538527, 0.1055166768310255, 0.08330941024789734], [-0.2456829543917002, -0.04085879671181745, 0.12448449820965848, 0.10737960047307187], [-0.25191912797964994, -0.0369003472858154, 0.13388647095687561, 0.10983273739311467], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602], [-0.2605858662449522, -0.039524206155966995, 0.13226625971454953, 0.08512273354335602]]

------ Iteration 86

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P10

------ Evaluation time for iteration87: 1225 ------

Indices selected for iteration 86: [7, 8, 0, 5, 4, 0, 6, 9, 9, 9]

Iteration 87: SCORES:

Parameter 1: a1: -0.246, a2: -0.041; b2: 0.124, b3: 0.107, with score: 1.168e-05

Parameter 2: a1: -0.252, a2: -0.037; b2: 0.134, b3: 0.110, with score: 1.168e-05

Parameter 3: a1: -0.276, a2: -0.053; b2: 0.152, b3: 0.124, with score: 9.551e-06

Parameter 4: a1: -0.300, a2: -0.029; b2: 0.105, b3: 0.139, with score: 1.168e-05

Parameter 5: a1: -0.266, a2: -0.013; b2: 0.135, b3: 0.099, with score: 1.168e-05

Parameter 6: a1: -0.276, a2: -0.053; b2: 0.152, b3: 0.124, with score: 9.551e-06

Parameter 7: a1: -0.263, a2: -0.057; b2: 0.106, b3: 0.083, with score: 8.736e-06

Parameter 8: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.227e-05

Parameter 9: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.227e-05

Parameter 10: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.227e-05

Mutated parameters(individuals) for iteration 86:

[[-0.21401559134267395, -0.06350480815080228, 0.09228750931643345, 0.16655645834636384], [-0.2566160941455167, -0.060638599607720514, 0.10437635649148658, 0.11645251754838296], [-0.28731399590807966, -0.07057554929157535, 0.12292805383930874, 0.09138218594354477], [-0.31293565039433857, -0.0033487104838836566, 0.13034136909606484, 0.1785240228075905], [-0.2783133257193987, -0.005662419753841177, 0.14126461441384563, 0.05122512640222786], [-0.2995917001058933, -0.09095838598329363, 0.1595238500359389, 0.172379176049057], [-0.26161467034709873, -0.049175834210427045, 0.09487444657435877, 0.12090924140632824], [-0.27356167520102737, -0.06388111462180293, 0.12025966070479659, 0.11359375584210551], [-0.2576823493583619, -0.05298160692068675, 0.12720726727054002, 0.07463292061066606], [-0.2752009940909293, -0.046500175442546116, 0.1176454727345617, 0.13142595519406106], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952]]

------ Iteration 87

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P5

------ Evaluation time for iteration88: 1278 ------

Indices selected for iteration 87: [0, 2, 3, 8, 4, 4, 5, 13, 13, 13]

Iteration 88: SCORES:

Parameter 1: a1: -0.214, a2: -0.064; b2: 0.092, b3: 0.167, with score: 1.091e-05

Parameter 2: a1: -0.287, a2: -0.071; b2: 0.123, b3: 0.091, with score: 1.263e-05

Parameter 3: a1: -0.313, a2: -0.003; b2: 0.130, b3: 0.179, with score: 1.922e-05

Parameter 4: a1: -0.258, a2: -0.053; b2: 0.127, b3: 0.075, with score: 1.585e-05

Parameter 5: a1: -0.278, a2: -0.006; b2: 0.141, b3: 0.051, with score: 1.336e-05

Parameter 6: a1: -0.278, a2: -0.006; b2: 0.141, b3: 0.051, with score: 1.336e-05

Parameter 7: a1: -0.300, a2: -0.091; b2: 0.160, b3: 0.172, with score: 1.336e-05

Parameter 8: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.539e-05

Parameter 9: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.539e-05

Parameter 10: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.539e-05

Mutated parameters(individuals) for iteration 87:

[[-0.24412045641144328, -0.08875586110671221, 0.0906416172363979, 0.14994135937522535], [-0.2916355011818161, -0.10284934103521576, 0.10372921678394609, 0.05209587387909075], [-0.3337090038169649, -0.018206490757233112, 0.10524302503325596, 0.16463871825649973], [-0.2476685091675362, -0.0709216296330894, 0.11975233121756758, 0.061881451306940706], [-0.2895996540900113, -0.015771516285848143, 0.14554142095485312, 0.09607703928539504], [-0.2743524263525371, -0.009888162432946244, 0.11979280899934125, 0.10392220797500704], [-0.3288185878149325, -0.10591741034749243, 0.18368534913092072, 0.20446045851142522], [-0.2751612460102709, -0.03949671670211732, 0.1222941498295536, 0.08961645379082997], [-0.2618833210748139, -0.05424523588197744, 0.11974372028776263, 0.11342101635120817], [-0.27420935775785166, -0.03982393081345196, 0.11808776011681013, 0.13594681239172826], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952]]

------ Iteration 88

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P3

------ Evaluation time for iteration89: 1302 ------

Indices selected for iteration 88: [1, 6, 3, 0, 4, 4, 3, 13, 13, 13]

Iteration 89: SCORES:

Parameter 1: a1: -0.292, a2: -0.103; b2: 0.104, b3: 0.052, with score: 7.946e-06

Parameter 2: a1: -0.329, a2: -0.106; b2: 0.184, b3: 0.204, with score: 1.336e-05

Parameter 3: a1: -0.248, a2: -0.071; b2: 0.120, b3: 0.062, with score: 1.125e-05

Parameter 4: a1: -0.244, a2: -0.089; b2: 0.091, b3: 0.150, with score: 1.243e-05

Parameter 5: a1: -0.290, a2: -0.016; b2: 0.146, b3: 0.096, with score: 1.336e-05

Parameter 6: a1: -0.290, a2: -0.016; b2: 0.146, b3: 0.096, with score: 1.336e-05

Parameter 7: a1: -0.248, a2: -0.071; b2: 0.120, b3: 0.062, with score: 1.125e-05

Parameter 8: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.459e-05

Parameter 9: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.459e-05

Parameter 10: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.459e-05

Mutated parameters(individuals) for iteration 88:

[[-0.3194241722108162, -0.1275919566786619, 0.13462565182386402, 0.016354646148237707], [-0.31650795253301595, -0.07836036365886677, 0.1589664901424161, 0.1461764889423818], [-0.2825974087134837, -0.04623690528055094, 0.08886040588236822, 0.07751232462268451], [-0.21130405216007248, -0.09746639332331022, 0.09371925074096618, 0.20300502731868625], [-0.2943806811453434, -0.028559109188966578, 0.12195295277570528, 0.125442142045246], [-0.2936440419395204, -0.0313625502230182, 0.1465786656343312, 0.13353529857745494], [-0.22831916367258856, -0.0999819252655102, 0.08988956605450753, 0.05954150263883568], [-0.2837489641480214, -0.05276318923472587, 0.1234741831646094, 0.0756823820177791], [-0.2812978543639781, -0.037586391036430994, 0.10516843817581187, 0.1310970489063486], [-0.2823461144350119, -0.060040861932521346, 0.11938399187562344, 0.08971008010447978], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952]]

------ Iteration 89

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration90: 1385 ------

Indices selected for iteration 89: [2, 0, 4, 3, 5, 0, 7, 14, 14, 14]

Iteration 90: SCORES:

Parameter 1: a1: -0.283, a2: -0.046; b2: 0.089, b3: 0.078, with score: 1.397e-05

Parameter 2: a1: -0.319, a2: -0.128; b2: 0.135, b3: 0.016, with score: 1.145e-05

Parameter 3: a1: -0.294, a2: -0.029; b2: 0.122, b3: 0.125, with score: 1.336e-05

Parameter 4: a1: -0.211, a2: -0.097; b2: 0.094, b3: 0.203, with score: 6.910e-06

Parameter 5: a1: -0.294, a2: -0.031; b2: 0.147, b3: 0.134, with score: 1.336e-05

Parameter 6: a1: -0.319, a2: -0.128; b2: 0.135, b3: 0.016, with score: 1.145e-05

Parameter 7: a1: -0.284, a2: -0.053; b2: 0.123, b3: 0.076, with score: 1.871e-05

Parameter 8: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.081e-05

Parameter 9: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.081e-05

Parameter 10: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.081e-05

Mutated parameters(individuals) for iteration 89:

[[-0.3001204852493695, -0.06768442105718842, 0.11426095596320911, 0.036383341173403985], [-0.2955832360159641, -0.13741489869177265, 0.1060426216624071, 0.08398718112447884], [-0.2739152951112766, -0.012958823576896983, 0.1042973481629422, 0.17191644814204987], [-0.18062722549861615, -0.11152600533139462, 0.13176643077197212, 0.20133976418200125], [-0.31335958665869007, -0.011764259413769091, 0.14627755266113834, 0.1403407418607123], [-0.33701906575223284, -0.09715426981410162, 0.1573294571005852, 0.059095681386207015], [-0.29368608665039997, -0.07377921118215587, 0.09880655043599029, 0.09628043589672011], [-0.2558862154565493, -0.04460672374203008, 0.1256066333434849, 0.13129078300463762], [-0.2721019500094555, -0.05219468724197655, 0.12504931816927214, 0.08684442608727765], [-0.2591864542793324, -0.0601495238814977, 0.09756628150503643, 0.06496085568868695], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952]]

------ Iteration 90

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

------ Evaluation time for iteration91: 1262 ------

Indices selected for iteration 90: [1, 3, 5, 7, 4, 8, 4, 14, 14, 14]

Iteration 91: SCORES:

Parameter 1: a1: -0.296, a2: -0.137; b2: 0.106, b3: 0.084, with score: 1.472e-05

Parameter 2: a1: -0.181, a2: -0.112; b2: 0.132, b3: 0.201, with score: 8.296e-06

Parameter 3: a1: -0.337, a2: -0.097; b2: 0.157, b3: 0.059, with score: 7.916e-06

Parameter 4: a1: -0.256, a2: -0.045; b2: 0.126, b3: 0.131, with score: 1.336e-05

Parameter 5: a1: -0.313, a2: -0.012; b2: 0.146, b3: 0.140, with score: 9.981e-06

Parameter 6: a1: -0.272, a2: -0.052; b2: 0.125, b3: 0.087, with score: 1.336e-05

Parameter 7: a1: -0.313, a2: -0.012; b2: 0.146, b3: 0.140, with score: 9.981e-06

Parameter 8: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.890e-05

Parameter 9: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.890e-05

Parameter 10: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.890e-05

Mutated parameters(individuals) for iteration 90:

[[-0.2975120517843113, -0.13501009711359072, 0.09291131134398677, 0.09167174808484574], [-0.15653412575822553, -0.0748371462335411, 0.11820188710762296, 0.15018770352530028], [-0.3041355520016566, -0.09284404934590126, 0.12048188161755474, 0.05314322086077369], [-0.2756769219128941, -0.023740086411103343, 0.13810267342236693, 0.08657029331365776], [-0.28319470400713664, -0.007097842113422778, 0.17371126660697037, 0.13468911673649134], [-0.2651169486232348, -0.07340311258339294, 0.12951218723099994, 0.05179526598051193], [-0.2834493518070669, -0.04605625655456819, 0.13052273729223904, 0.1381939270759633], [-0.2684882369063834, -0.043070310164354766, 0.1277233197641029, 0.10037659201737903], [-0.2644834359105295, -0.060519247016580374, 0.11719942131437454, 0.12408028897978901], [-0.2759155315052787, -0.06015234083272184, 0.12134852939348327, 0.0988028040676603], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952]]

------ Iteration 91

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P2

------ Evaluation time for iteration92: 1253 ------

Indices selected for iteration 91: [3, 4, 5, 5, 1, 7, 10, 14, 14, 14]

Iteration 92: SCORES:

Parameter 1: a1: -0.276, a2: -0.024; b2: 0.138, b3: 0.087, with score: 1.093e-05

Parameter 2: a1: -0.283, a2: -0.007; b2: 0.174, b3: 0.135, with score: 1.470e-05

Parameter 3: a1: -0.265, a2: -0.073; b2: 0.130, b3: 0.052, with score: 2.185e-05

Parameter 4: a1: -0.265, a2: -0.073; b2: 0.130, b3: 0.052, with score: 2.185e-05

Parameter 5: a1: -0.157, a2: -0.075; b2: 0.118, b3: 0.150, with score: 1.150e-05

Parameter 6: a1: -0.268, a2: -0.043; b2: 0.128, b3: 0.100, with score: 1.336e-05

Parameter 7: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 1.336e-05

Parameter 8: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.593e-05

Parameter 9: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.593e-05

Parameter 10: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.593e-05

Mutated parameters(individuals) for iteration 91:

[[-0.24563863023250793, -0.057269126399874914, 0.16172751593813503, 0.068091589571252], [-0.31331891783268917, -0.029315682245718715, 0.18714316313627302, 0.12073270385179685], [-0.2571841346824912, -0.06576664514200595, 0.138437799785769, 0.04309789515228689], [-0.27717353424705476, -0.07009136175341599, 0.14933012832608397, 0.01137285409719141], [-0.15389966338770045, -0.04531417857282906, 0.14711583388300228, 0.19241742413689025], [-0.2647433303649347, -0.06164761550866066, 0.11133245501303542, 0.10946257301805248], [-0.3007015068742024, -0.025490850076281144, 0.1024259284062631, 0.11686490888881687], [-0.2684011888494459, -0.0446314367089152, 0.10425342570292337, 0.13071542347802245], [-0.28786611118354294, -0.05981855699608639, 0.1274099746734742, 0.12739446063235893], [-0.26975931457705354, -0.049424436564428256, 0.12111685381987818, 0.1155169229594647], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952]]

------ Iteration 92

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P5

------ Evaluation time for iteration93: 1263 ------

Indices selected for iteration 92: [1, 3, 2, 2, 1, 3, 3, 14, 14, 14]

Iteration 93: SCORES:

Parameter 1: a1: -0.313, a2: -0.029; b2: 0.187, b3: 0.121, with score: 1.688e-05

Parameter 2: a1: -0.277, a2: -0.070; b2: 0.149, b3: 0.011, with score: 1.928e-05

Parameter 3: a1: -0.257, a2: -0.066; b2: 0.138, b3: 0.043, with score: 1.093e-05

Parameter 4: a1: -0.257, a2: -0.066; b2: 0.138, b3: 0.043, with score: 1.093e-05

Parameter 5: a1: -0.313, a2: -0.029; b2: 0.187, b3: 0.121, with score: 1.688e-05

Parameter 6: a1: -0.277, a2: -0.070; b2: 0.149, b3: 0.011, with score: 1.928e-05

Parameter 7: a1: -0.277, a2: -0.070; b2: 0.149, b3: 0.011, with score: 1.928e-05

Parameter 8: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.324e-05

Parameter 9: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.324e-05

Parameter 10: a1: -0.277, a2: -0.054; b2: 0.116, b3: 0.111, with score: 2.324e-05

Mutated parameters(individuals) for iteration 92:

[[-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.26520237414604914, -0.07055651925032001, 0.14722407456378653, 0.026425207671824175], [-0.2927635609684559, -0.08003590155361896, 0.1042427806906853, 0.11413493812793564], [-0.2845128417133997, -0.08603826909443088, 0.13048529652936414, 0.026668529459456695], [-0.33216904960195576, -0.032765829789618575, 0.1789358692331813, 0.13056105141670143], [-0.26706675503581906, -0.05619357803484371, 0.17407757264773988, 0.042104810752834156], [-0.2661420682716115, -0.0915722270585244, 0.1327165617128793, 0.05744904182551921], [-0.2718529765258148, -0.061137413342211754, 0.12547141369001136, 0.07189654604847766], [-0.2674579684758934, -0.06565247681062192, 0.10273966902252633, 0.1465179381286586], [-0.2727798618192353, -0.04958964346736372, 0.1125260788143469, 0.14339007500894102], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952], [-0.27664077424338507, -0.05380268140707269, 0.11628378740429486, 0.11053419033711952]]

------ Iteration 93

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P10

------ Evaluation time for iteration94: 1221 ------

Indices selected for iteration 93: [3, 4, 4, 7, 4, 1, 2, 0, 0, 0]

Iteration 94: SCORES:

Parameter 1: a1: -0.285, a2: -0.086; b2: 0.130, b3: 0.027, with score: 1.216e-05

Parameter 2: a1: -0.332, a2: -0.033; b2: 0.179, b3: 0.131, with score: 9.197e-06

Parameter 3: a1: -0.332, a2: -0.033; b2: 0.179, b3: 0.131, with score: 9.197e-06

Parameter 4: a1: -0.272, a2: -0.061; b2: 0.125, b3: 0.072, with score: 1.879e-05

Parameter 5: a1: -0.332, a2: -0.033; b2: 0.179, b3: 0.131, with score: 9.197e-06

Parameter 6: a1: -0.265, a2: -0.071; b2: 0.147, b3: 0.026, with score: 1.750e-05

Parameter 7: a1: -0.293, a2: -0.080; b2: 0.104, b3: 0.114, with score: 1.347e-05

Parameter 8: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 1.975e-05

Parameter 9: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 1.975e-05

Parameter 10: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 1.975e-05

Mutated parameters(individuals) for iteration 93:

[[-0.29804098046755606, -0.10226565748231979, 0.16225785384142227, 0.04410549222833211], [-0.30201639297038885, -0.005659707964379625, 0.15796119560749364, 0.15499289070082597], [-0.3283110202094181, -0.03445270154921648, 0.14733076300145764, 0.11117330608414032], [-0.25329182844798387, -0.04213591536117781, 0.13245260954053276, 0.05327177345058519], [-0.3668702418634481, -0.02328882712734029, 0.1429592214470859, 0.18835897160305737], [-0.27588186231199074, -0.05869456798463879, 0.1476766660606353, 0.056433164972893426], [-0.3123267794427862, -0.051570347798470396, 0.09446606736772897, 0.1299409660160139], [-0.27346667217249715, -0.036549644155319944, 0.20334686190577317, 0.1108593558022218], [-0.3200383218125525, -0.0582987923942702, 0.19999372554624428, 0.11993410466757631], [-0.3134754033955766, -0.06474981610219968, 0.23186384503921528, 0.06739705594668724], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756]]

------ Iteration 94

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P8

------ Evaluation time for iteration95: 1208 ------

Indices selected for iteration 94: [0, 2, 4, 4, 0, 5, 4, 12, 12, 12]

Iteration 95: SCORES:

Parameter 1: a1: -0.298, a2: -0.102; b2: 0.162, b3: 0.044, with score: 1.155e-05

Parameter 2: a1: -0.328, a2: -0.034; b2: 0.147, b3: 0.111, with score: 1.230e-05

Parameter 3: a1: -0.367, a2: -0.023; b2: 0.143, b3: 0.188, with score: 9.524e-06

Parameter 4: a1: -0.367, a2: -0.023; b2: 0.143, b3: 0.188, with score: 9.524e-06

Parameter 5: a1: -0.298, a2: -0.102; b2: 0.162, b3: 0.044, with score: 1.155e-05

Parameter 6: a1: -0.276, a2: -0.059; b2: 0.148, b3: 0.056, with score: 9.524e-06

Parameter 7: a1: -0.367, a2: -0.023; b2: 0.143, b3: 0.188, with score: 9.524e-06

Parameter 8: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 2.363e-05

Parameter 9: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 2.363e-05

Parameter 10: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 2.363e-05

Mutated parameters(individuals) for iteration 94:

[[-0.3033961841707981, -0.1040928292089998, 0.15371071002487335, 0.055263453470055963], [-0.2989929434782378, -0.027875211683800086, 0.12530237757137438, 0.17020648659382248], [-0.34687083543736535, -0.01732151626722926, 0.1659919478585255, 0.21063619839267755], [-0.3814077163632576, -0.019528309135479018, 0.11198944518856135, 0.21107954970277648], [-0.3301782366833967, -0.10644091785560315, 0.15982363565793353, 0.05848234732779856], [-0.28420426307648966, -0.03896046361420525, 0.13569079489525354, 0.05524210598418275], [-0.39816488086460305, -0.0016891210504069165, 0.1641411731628528, 0.1731190533307213], [-0.29914692977055507, -0.06770144488702304, 0.23174089406019774, 0.11876130190283488], [-0.29502823367704073, -0.06641843983838164, 0.21888168098818908, 0.12876409466612743], [-0.2963323463565435, -0.06429212343997777, 0.20732799008378236, 0.07698523235151228], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756]]

------ Iteration 95

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P9

------ Evaluation time for iteration96: 1214 ------

Indices selected for iteration 95: [0, 3, 7, 5, 5, 5, 4, 12, 12, 12]

Iteration 96: SCORES:

Parameter 1: a1: -0.303, a2: -0.104; b2: 0.154, b3: 0.055, with score: 1.159e-05

Parameter 2: a1: -0.381, a2: -0.020; b2: 0.112, b3: 0.211, with score: 9.348e-06

Parameter 3: a1: -0.299, a2: -0.068; b2: 0.232, b3: 0.119, with score: 9.524e-06

Parameter 4: a1: -0.284, a2: -0.039; b2: 0.136, b3: 0.055, with score: 9.524e-06

Parameter 5: a1: -0.284, a2: -0.039; b2: 0.136, b3: 0.055, with score: 9.524e-06

Parameter 6: a1: -0.284, a2: -0.039; b2: 0.136, b3: 0.055, with score: 9.524e-06

Parameter 7: a1: -0.330, a2: -0.106; b2: 0.160, b3: 0.058, with score: 9.524e-06

Parameter 8: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 2.775e-05

Parameter 9: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 2.775e-05

Parameter 10: a1: -0.297, a2: -0.055; b2: 0.214, b3: 0.093, with score: 2.775e-05

Mutated parameters(individuals) for iteration 95:

[[-0.2689854750455575, -0.1303431299852182, 0.15198225187054787, 0.10846249230252301], [-0.38634808071278565, -0.037789465305700806, 0.13689698437759173, 0.2582004035549212], [-0.30562466651515263, -0.10508626474423419, 0.2028483634864487, 0.05522209555393502], [-0.30295064221847495, -0.0030116545456601515, 0.13142389469688764, 0.11248507616733275], [-0.3195912023016318, -0.03931592748669359, 0.16654590152269572, 0.025521169462372897], [-0.26163955118670856, -0.04493573872916513, 0.12148838850626623, 0.0864177384388227], [-0.33407803134796826, -0.0810872225550722, 0.19537492172424417, 0.035761683749157155], [-0.28285396963887516, -0.06397854537584009, 0.2025367608965728, 0.07332294624034075], [-0.2963768296571751, -0.05129303592441492, 0.20172719908223338, 0.11882300196029068], [-0.3017542492316497, -0.04194002987948985, 0.20427702851735516, 0.07375364036869923], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756], [-0.29651264072843375, -0.05499511581270283, 0.2144426467837402, 0.09300694606752756]]

------ Iteration 96

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P2

------ Evaluation time for iteration97: 1203 ------

Indices selected for iteration 96: [3, 1, 6, 2, 4, 0, 0, 1, 1, 1]

Iteration 97: SCORES:

Parameter 1: a1: -0.303, a2: -0.003; b2: 0.131, b3: 0.112, with score: 1.131e-05

Parameter 2: a1: -0.386, a2: -0.038; b2: 0.137, b3: 0.258, with score: 3.224e-05

Parameter 3: a1: -0.334, a2: -0.081; b2: 0.195, b3: 0.036, with score: 9.524e-06

Parameter 4: a1: -0.306, a2: -0.105; b2: 0.203, b3: 0.055, with score: 1.237e-05

Parameter 5: a1: -0.320, a2: -0.039; b2: 0.167, b3: 0.026, with score: 9.431e-06

Parameter 6: a1: -0.269, a2: -0.130; b2: 0.152, b3: 0.108, with score: 1.895e-05

Parameter 7: a1: -0.269, a2: -0.130; b2: 0.152, b3: 0.108, with score: 1.895e-05

Parameter 8: a1: -0.386, a2: -0.038; b2: 0.137, b3: 0.258, with score: 3.224e-05

Parameter 9: a1: -0.386, a2: -0.038; b2: 0.137, b3: 0.258, with score: 3.224e-05

Parameter 10: a1: -0.386, a2: -0.038; b2: 0.137, b3: 0.258, with score: 3.224e-05

Mutated parameters(individuals) for iteration 96:

[[-0.29357094469288647, -0.017870309701478113, 0.15268970873550633, 0.05979269894129779], [-0.3800819667295085, -0.04524088038964217, 0.14114809180946675, 0.2618089354907692], [-0.3274945036400956, -0.10495255643317646, 0.18345117494651872, 0.012903861919412986], [-0.295988450512434, -0.1164795531863127, 0.1742685656314224, 0.10871167750682895], [-0.3392215143645078, -0.027199995313055635, 0.15520258322729527, 0.02844493887503858], [-0.25712199060893276, -0.14765327428887423, 0.14058700148993153, 0.0661316434217454], [-0.29134130419392085, -0.1204775936615102, 0.14753542389399069, 0.06252310070605671], [-0.3946019852390783, -0.0350734613006958, 0.1372928162159612, 0.2662559553274734], [-0.3880317866832992, -0.03647257802078837, 0.13409212071129728, 0.26665261018375747], [-0.3830018997815794, -0.04050171692173432, 0.14437961481728284, 0.24861071050990655], [-0.38634808071278565, -0.037789465305700806, 0.13689698437759173, 0.2582004035549212], [-0.38634808071278565, -0.037789465305700806, 0.13689698437759173, 0.2582004035549212], [-0.38634808071278565, -0.037789465305700806, 0.13689698437759173, 0.2582004035549212], [-0.38634808071278565, -0.037789465305700806, 0.13689698437759173, 0.2582004035549212], [-0.38634808071278565, -0.037789465305700806, 0.13689698437759173, 0.2582004035549212]]

------ Iteration 97

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P9

------ Evaluation time for iteration98: 1231 ------

Indices selected for iteration 97: [1, 0, 4, 2, 5, 3, 3, 0, 0, 0]

Iteration 98: SCORES:

Parameter 1: a1: -0.380, a2: -0.045; b2: 0.141, b3: 0.262, with score: 7.669e-06

Parameter 2: a1: -0.294, a2: -0.018; b2: 0.153, b3: 0.060, with score: 3.290e-05

Parameter 3: a1: -0.339, a2: -0.027; b2: 0.155, b3: 0.028, with score: 1.479e-05

Parameter 4: a1: -0.327, a2: -0.105; b2: 0.183, b3: 0.013, with score: 9.882e-06

Parameter 5: a1: -0.257, a2: -0.148; b2: 0.141, b3: 0.066, with score: 8.964e-06

Parameter 6: a1: -0.296, a2: -0.116; b2: 0.174, b3: 0.109, with score: 6.579e-06

Parameter 7: a1: -0.296, a2: -0.116; b2: 0.174, b3: 0.109, with score: 6.579e-06

Parameter 8: a1: -0.294, a2: -0.018; b2: 0.153, b3: 0.060, with score: 3.290e-05

Parameter 9: a1: -0.294, a2: -0.018; b2: 0.153, b3: 0.060, with score: 3.290e-05

Parameter 10: a1: -0.294, a2: -0.018; b2: 0.153, b3: 0.060, with score: 3.290e-05

Mutated parameters(individuals) for iteration 97:

[[-0.3457225083042408, -0.02727841632893851, 0.12062088366327063, 0.32055674372583576], [-0.3029284073625704, -0.01689589582413997, 0.15454342256966036, 0.075870915089926], [-0.35702635873273386, -0.03970393388813152, 0.12789279047447683, 0.004256397076953713], [-0.3366751574420123, -0.12124152752773645, 0.21714755784170575, 0.08725579699147928], [-0.2399247877636822, -0.17737088264739687, 0.11955165485201931, 0.01351995944967891], [-0.281931093250181, -0.1319042915751077, 0.14957082709261083, 0.04605634724410436], [-0.3147636421541604, -0.13639989421851836, 0.15027510682600317, 0.04873135107315366], [-0.2869425753031623, -0.02100417379250973, 0.14887813040311576, 0.04915058409772496], [-0.3001458116195339, -0.02424422659057611, 0.15716110527811541, 0.06887812044848265], [-0.29562416014184917, -0.0222518701090013, 0.16174692667753043, 0.056502709319535195], [-0.29357094469288647, -0.017870309701478113, 0.15268970873550633, 0.05979269894129779], [-0.29357094469288647, -0.017870309701478113, 0.15268970873550633, 0.05979269894129779], [-0.29357094469288647, -0.017870309701478113, 0.15268970873550633, 0.05979269894129779], [-0.29357094469288647, -0.017870309701478113, 0.15268970873550633, 0.05979269894129779], [-0.29357094469288647, -0.017870309701478113, 0.15268970873550633, 0.05979269894129779]]

------ Iteration 98

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P1

------ Evaluation time for iteration99: 1207 ------

Indices selected for iteration 98: [0, 4, 2, 4, 1, 4, 6, 0, 0, 0]

Iteration 99: SCORES:

Parameter 1: a1: -0.346, a2: -0.027; b2: 0.121, b3: 0.321, with score: 2.761e-05

Parameter 2: a1: -0.240, a2: -0.177; b2: 0.120, b3: 0.014, with score: 1.213e-05

Parameter 3: a1: -0.357, a2: -0.040; b2: 0.128, b3: 0.004, with score: 7.592e-06

Parameter 4: a1: -0.240, a2: -0.177; b2: 0.120, b3: 0.014, with score: 1.213e-05

Parameter 5: a1: -0.303, a2: -0.017; b2: 0.155, b3: 0.076, with score: 7.677e-06

Parameter 6: a1: -0.240, a2: -0.177; b2: 0.120, b3: 0.014, with score: 1.213e-05

Parameter 7: a1: -0.315, a2: -0.136; b2: 0.150, b3: 0.049, with score: 1.479e-05

Parameter 8: a1: -0.346, a2: -0.027; b2: 0.121, b3: 0.321, with score: 2.761e-05

Parameter 9: a1: -0.346, a2: -0.027; b2: 0.121, b3: 0.321, with score: 2.761e-05

Parameter 10: a1: -0.346, a2: -0.027; b2: 0.121, b3: 0.321, with score: 2.761e-05

Mutated parameters(individuals) for iteration 98:

[[-0.3565584273492167, -0.03189852877553629, 0.12017473164346291, 0.3036482327276351], [-0.24151130111334654, -0.21221750051364996, 0.10673404323321793, 0.07877040135072788], [-0.3574849042105814, -0.03709180608988383, 0.16546164527953117, 0.024781848937820743], [-0.24686985742451678, -0.15830765387341453, 0.1316630052256592, 0.06692787440379394], [-0.30787688225424514, -0.04156051365504605, 0.16557681850559558, 0.06690763985924075], [-0.21248186540206684, -0.14218917694083194, 0.1181859939821068, 0.01728902947208794], [-0.2926546849211851, -0.1290098728539289, 0.1556496479209716, 0.06193214463226239], [-0.3360969615441347, -0.02821132813872725, 0.1081610312121677, 0.3333969205762253], [-0.35299349695479454, -0.011730637390300308, 0.12739807060043082, 0.3509396595404731], [-0.33390170215829484, -0.03913153959715274, 0.12674449088610076, 0.307099550902313], [-0.3457225083042408, -0.02727841632893851, 0.12062088366327063, 0.32055674372583576], [-0.3457225083042408, -0.02727841632893851, 0.12062088366327063, 0.32055674372583576], [-0.3457225083042408, -0.02727841632893851, 0.12062088366327063, 0.32055674372583576], [-0.3457225083042408, -0.02727841632893851, 0.12062088366327063, 0.32055674372583576], [-0.3457225083042408, -0.02727841632893851, 0.12062088366327063, 0.32055674372583576]]

------ Iteration 99

Starting process 1 in 10

Starting process 2 in 10

Starting process 3 in 10

Starting process 4 in 10

Starting process 5 in 10

Starting process 6 in 10

Starting process 7 in 10

Starting process 8 in 10

Starting process 9 in 10

Starting process 10 in 10

Starting process 11 in 10

Starting process 12 in 10

Starting process 13 in 10

Starting process 14 in 10

Starting process 15 in 10

--- Running optimal tours for the 100 agent in 1511 for process P2

--- Running optimal tours for the 100 agent in 1511 for process P3

--- Running optimal tours for the 100 agent in 1511 for process P4

--- Running optimal tours for the 100 agent in 1511 for process P6

--- Running optimal tours for the 100 agent in 1511 for process P5

--- Running optimal tours for the 100 agent in 1511 for process P7

--- Running optimal tours for the 100 agent in 1511 for process P1

--- Running optimal tours for the 100 agent in 1511 for process P8

--- Running optimal tours for the 100 agent in 1511 for process P9

--- Running optimal tours for the 100 agent in 1511 for process P11

--- Running optimal tours for the 100 agent in 1511 for process P10

--- Running optimal tours for the 100 agent in 1511 for process P12

--- Running optimal tours for the 100 agent in 1511 for process P13

--- Running optimal tours for the 100 agent in 1511 for process P14

--- Running optimal tours for the 100 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P3

--- Running optimal tours for the 200 agent in 1511 for process P2

--- Running optimal tours for the 200 agent in 1511 for process P6

--- Running optimal tours for the 200 agent in 1511 for process P4

--- Running optimal tours for the 200 agent in 1511 for process P7

--- Running optimal tours for the 200 agent in 1511 for process P5

--- Running optimal tours for the 200 agent in 1511 for process P1

--- Running optimal tours for the 200 agent in 1511 for process P8

--- Running optimal tours for the 200 agent in 1511 for process P9

--- Running optimal tours for the 200 agent in 1511 for process P11

--- Running optimal tours for the 200 agent in 1511 for process P12

--- Running optimal tours for the 200 agent in 1511 for process P10

--- Running optimal tours for the 200 agent in 1511 for process P13

--- Running optimal tours for the 200 agent in 1511 for process P15

--- Running optimal tours for the 200 agent in 1511 for process P14

--- Running optimal tours for the 300 agent in 1511 for process P3

--- Running optimal tours for the 300 agent in 1511 for process P4

--- Running optimal tours for the 300 agent in 1511 for process P6

--- Running optimal tours for the 300 agent in 1511 for process P2

--- Running optimal tours for the 300 agent in 1511 for process P7

--- Running optimal tours for the 300 agent in 1511 for process P5

--- Running optimal tours for the 300 agent in 1511 for process P1

--- Running optimal tours for the 300 agent in 1511 for process P8

--- Running optimal tours for the 300 agent in 1511 for process P9

--- Running optimal tours for the 300 agent in 1511 for process P11

--- Running optimal tours for the 300 agent in 1511 for process P10

--- Running optimal tours for the 300 agent in 1511 for process P12

--- Running optimal tours for the 300 agent in 1511 for process P13

--- Running optimal tours for the 300 agent in 1511 for process P15

--- Running optimal tours for the 300 agent in 1511 for process P14

--- Running optimal tours for the 400 agent in 1511 for process P4

--- Running optimal tours for the 400 agent in 1511 for process P6

--- Running optimal tours for the 400 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P2

--- Running optimal tours for the 400 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P5

--- Running optimal tours for the 400 agent in 1511 for process P1

--- Running optimal tours for the 400 agent in 1511 for process P8

--- Running optimal tours for the 400 agent in 1511 for process P9

--- Running optimal tours for the 400 agent in 1511 for process P11

--- Running optimal tours for the 400 agent in 1511 for process P10

--- Running optimal tours for the 400 agent in 1511 for process P12

--- Running optimal tours for the 400 agent in 1511 for process P13

--- Running optimal tours for the 500 agent in 1511 for process P4

--- Running optimal tours for the 500 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P3

--- Running optimal tours for the 400 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P7

--- Running optimal tours for the 400 agent in 1511 for process P14

--- Running optimal tours for the 500 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P5

--- Running optimal tours for the 500 agent in 1511 for process P1

--- Running optimal tours for the 500 agent in 1511 for process P9

--- Running optimal tours for the 500 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P4

--- Running optimal tours for the 600 agent in 1511 for process P6

--- Running optimal tours for the 500 agent in 1511 for process P10

--- Running optimal tours for the 500 agent in 1511 for process P11

--- Running optimal tours for the 600 agent in 1511 for process P3

--- Running optimal tours for the 500 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P7

--- Running optimal tours for the 500 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P2

--- Running optimal tours for the 500 agent in 1511 for process P15

--- Running optimal tours for the 500 agent in 1511 for process P14

--- Running optimal tours for the 600 agent in 1511 for process P5

--- Running optimal tours for the 600 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P6

--- Running optimal tours for the 700 agent in 1511 for process P7

--- Running optimal tours for the 700 agent in 1511 for process P4

--- Running optimal tours for the 700 agent in 1511 for process P3

--- Running optimal tours for the 600 agent in 1511 for process P8

--- Running optimal tours for the 600 agent in 1511 for process P9

--- Running optimal tours for the 600 agent in 1511 for process P10

--- Running optimal tours for the 600 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P2

--- Running optimal tours for the 600 agent in 1511 for process P12

--- Running optimal tours for the 600 agent in 1511 for process P13

--- Running optimal tours for the 600 agent in 1511 for process P15

--- Running optimal tours for the 600 agent in 1511 for process P14

--- Running optimal tours for the 700 agent in 1511 for process P5

--- Running optimal tours for the 800 agent in 1511 for process P6

--- Running optimal tours for the 800 agent in 1511 for process P7

--- Running optimal tours for the 800 agent in 1511 for process P4

--- Running optimal tours for the 800 agent in 1511 for process P3

--- Running optimal tours for the 800 agent in 1511 for process P2

--- Running optimal tours for the 700 agent in 1511 for process P1

--- Running optimal tours for the 700 agent in 1511 for process P9

--- Running optimal tours for the 700 agent in 1511 for process P10

--- Running optimal tours for the 700 agent in 1511 for process P8

--- Running optimal tours for the 700 agent in 1511 for process P11

--- Running optimal tours for the 700 agent in 1511 for process P12

--- Running optimal tours for the 700 agent in 1511 for process P13

--- Running optimal tours for the 700 agent in 1511 for process P15

--- Running optimal tours for the 700 agent in 1511 for process P14

--- Running optimal tours for the 800 agent in 1511 for process P5

--- Running optimal tours for the 900 agent in 1511 for process P6

--- Running optimal tours for the 900 agent in 1511 for process P7

--- Running optimal tours for the 900 agent in 1511 for process P4

--- Running optimal tours for the 900 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P2

--- Running optimal tours for the 800 agent in 1511 for process P1

--- Running optimal tours for the 800 agent in 1511 for process P9

--- Running optimal tours for the 800 agent in 1511 for process P10

--- Running optimal tours for the 800 agent in 1511 for process P8

--- Running optimal tours for the 800 agent in 1511 for process P11

--- Running optimal tours for the 800 agent in 1511 for process P12

--- Running optimal tours for the 800 agent in 1511 for process P13

--- Running optimal tours for the 800 agent in 1511 for process P15

--- Running optimal tours for the 800 agent in 1511 for process P14

--- Running optimal tours for the 900 agent in 1511 for process P5

--- Running optimal tours for the 1000 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P7

--- Running optimal tours for the 1000 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P2

--- Running optimal tours for the 900 agent in 1511 for process P1

--- Running optimal tours for the 900 agent in 1511 for process P9

--- Running optimal tours for the 900 agent in 1511 for process P10

--- Running optimal tours for the 900 agent in 1511 for process P8

--- Running optimal tours for the 900 agent in 1511 for process P11

--- Running optimal tours for the 900 agent in 1511 for process P12

--- Running optimal tours for the 900 agent in 1511 for process P13

--- Running optimal tours for the 900 agent in 1511 for process P15

--- Running optimal tours for the 1000 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P7

--- Running optimal tours for the 1100 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P3

--- Running optimal tours for the 900 agent in 1511 for process P14

--- Running optimal tours for the 1100 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P6

--- Running optimal tours for the 1000 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P7

--- Running optimal tours for the 1200 agent in 1511 for process P3

--- Running optimal tours for the 1000 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P4

--- Running optimal tours for the 1000 agent in 1511 for process P8

--- Running optimal tours for the 1000 agent in 1511 for process P11

--- Running optimal tours for the 1000 agent in 1511 for process P12

--- Running optimal tours for the 1000 agent in 1511 for process P13

--- Running optimal tours for the 1000 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P2

--- Running optimal tours for the 1000 agent in 1511 for process P14

--- Running optimal tours for the 1300 agent in 1511 for process P6

--- Running optimal tours for the 1100 agent in 1511 for process P1

--- Running optimal tours for the 1300 agent in 1511 for process P7

--- Running optimal tours for the 1300 agent in 1511 for process P3

--- Running optimal tours for the 1300 agent in 1511 for process P4

--- Running optimal tours for the 1100 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P5

--- Running optimal tours for the 1100 agent in 1511 for process P10

--- Running optimal tours for the 1100 agent in 1511 for process P8

--- Running optimal tours for the 1100 agent in 1511 for process P11

--- Running optimal tours for the 1100 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P2

--- Running optimal tours for the 1100 agent in 1511 for process P13

--- Running optimal tours for the 1100 agent in 1511 for process P15

--- Running optimal tours for the 1100 agent in 1511 for process P14

--- Running optimal tours for the 1400 agent in 1511 for process P6

--- Running optimal tours for the 1400 agent in 1511 for process P7

--- Running optimal tours for the 1400 agent in 1511 for process P3

--- Running optimal tours for the 1400 agent in 1511 for process P4

--- Running optimal tours for the 1300 agent in 1511 for process P5

--- Running optimal tours for the 1200 agent in 1511 for process P1

--- Running optimal tours for the 1200 agent in 1511 for process P9

--- Running optimal tours for the 1200 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P2

--- Running optimal tours for the 1200 agent in 1511 for process P8

--- Running optimal tours for the 1200 agent in 1511 for process P11

--- Running optimal tours for the 1200 agent in 1511 for process P12

--- Running optimal tours for the 1200 agent in 1511 for process P13

--- Running optimal tours for the 1200 agent in 1511 for process P15

--- Running optimal tours for the 1200 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P6

--- Running optimal tours for the 1500 agent in 1511 for process P3

--- Running optimal tours for the 1500 agent in 1511 for process P7

--- Running optimal tours for the 1500 agent in 1511 for process P4

--- Running optimal tours for the 1400 agent in 1511 for process P5

--- Running optimal tours for the 1300 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P2

--- Running optimal tours for the 1300 agent in 1511 for process P9

--- Running optimal tours for the 1300 agent in 1511 for process P10

--- Running optimal tours for the 1300 agent in 1511 for process P8

--- Running optimal tours for the 1300 agent in 1511 for process P11

--- Running optimal tours for the 1300 agent in 1511 for process P12

--- Running optimal tours for the 1300 agent in 1511 for process P13

--- Running optimal tours for the 1300 agent in 1511 for process P15

--- Running optimal tours for the 1300 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P5

--- Running optimal tours for the 1400 agent in 1511 for process P1

--- Running optimal tours for the 1400 agent in 1511 for process P9

--- Running optimal tours for the 1400 agent in 1511 for process P10

--- Running optimal tours for the 1400 agent in 1511 for process P8

--- Running optimal tours for the 1400 agent in 1511 for process P11

--- Running optimal tours for the 1400 agent in 1511 for process P13

--- Running optimal tours for the 1400 agent in 1511 for process P12

--- Running optimal tours for the 1400 agent in 1511 for process P15

--- Running optimal tours for the 1400 agent in 1511 for process P14

--- Running optimal tours for the 1500 agent in 1511 for process P1

--- Running optimal tours for the 1500 agent in 1511 for process P9

--- Running optimal tours for the 1500 agent in 1511 for process P10

--- Running optimal tours for the 1500 agent in 1511 for process P8

--- Running optimal tours for the 1500 agent in 1511 for process P11

--- Running optimal tours for the 1500 agent in 1511 for process P13

--- Running optimal tours for the 1500 agent in 1511 for process P15

--- Running optimal tours for the 1500 agent in 1511 for process P12

--- Running optimal tours for the 1500 agent in 1511 for process P14

------ Evaluation time for iteration100: 1250 ------

Indices selected for iteration 99: [6, 6, 6, 4, 6, 1, 2, 1, 1, 1]

Iteration 100: SCORES:

Parameter 1: a1: -0.293, a2: -0.129; b2: 0.156, b3: 0.062, with score: 2.566e-05

Parameter 2: a1: -0.293, a2: -0.129; b2: 0.156, b3: 0.062, with score: 2.566e-05

Parameter 3: a1: -0.293, a2: -0.129; b2: 0.156, b3: 0.062, with score: 2.566e-05

Parameter 4: a1: -0.308, a2: -0.042; b2: 0.166, b3: 0.067, with score: 5.020e-06

Parameter 5: a1: -0.293, a2: -0.129; b2: 0.156, b3: 0.062, with score: 2.566e-05

Parameter 6: a1: -0.242, a2: -0.212; b2: 0.107, b3: 0.079, with score: 3.519e-05

Parameter 7: a1: -0.357, a2: -0.037; b2: 0.165, b3: 0.025, with score: 7.520e-06

Parameter 8: a1: -0.242, a2: -0.212; b2: 0.107, b3: 0.079, with score: 3.519e-05

Parameter 9: a1: -0.242, a2: -0.212; b2: 0.107, b3: 0.079, with score: 3.519e-05

Parameter 10: a1: -0.242, a2: -0.212; b2: 0.107, b3: 0.079, with score: 3.519e-05

Mutated parameters(individuals) for iteration 99:

[[-0.27746050921849064, -0.13409096500095927, 0.15695753799145495, 0.09935850882097266], [-0.29562990441911785, -0.11114828015398336, 0.1736101421137385, 0.07035655985324156], [-0.27824675619781924, -0.13218132345919717, 0.15069351945496814, 0.06794034762203092], [-0.34082433538283635, -0.08517202763461153, 0.1377308380931734, 0.05930694881933644], [-0.3063273298312335, -0.11727533475405315, 0.14515803535753236, 0.09968526725581942], [-0.25071238407314217, -0.2048417167331609, 0.11167736741028449, 0.09431654106325338], [-0.3663430389186414, -0.016415268881547856, 0.17900258330848956, 0.05704415678687577], [-0.23777416375264207, -0.21600795430166506, 0.11198147392152819, 0.06931284838112235], [-0.24089984541447085, -0.21955155937304272, 0.10418951934697189, 0.06996307226500363], [-0.24953236406266824, -0.2071554467935536, 0.10874810373983719, 0.0666745549821616], [-0.24151130111334654, -0.21221750051364996, 0.10673404323321793, 0.07877040135072788], [-0.24151130111334654, -0.21221750051364996, 0.10673404323321793, 0.07877040135072788], [-0.24151130111334654, -0.21221750051364996, 0.10673404323321793, 0.07877040135072788], [-0.24151130111334654, -0.21221750051364996, 0.10673404323321793, 0.07877040135072788], [-0.24151130111334654, -0.21221750051364996, 0.10673404323321793, 0.07877040135072788]]