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2 ===== Iteration 1 =====
3 Ant 1: 1 -> 8 -> 13 -> 5 -> 12 -> 3 -> 4 -> 18 -> 9
    -> 11 -> 10 -> 17 -> 2 -> 7 -> 14 -> 6 -> 15 -> 19
    -> 16 -> 1 | Length = 4958,47
4 Ant 2: 2 -> 6 -> 14 -> 9 -> 8 -> 13 -> 5 -> 18 -> 4
    -> 7 -> 11 -> 15 -> 19 -> 17 -> 10 -> 12 -> 3 -> 1
    -> 16 -> 2 | Length = 4212,58
5 Ant 3: 3 -> 11 -> 17 -> 8 -> 5 -> 13 -> 19 -> 9 -> 14
    -> 2 -> 6 -> 18 -> 4 -> 15 -> 12 -> 10 -> 1 -> 16
    -> 7 -> 3 | Length = 5121,63
6 Ant 4: 4 -> 18 -> 2 -> 7 -> 9 -> 5 -> 17 -> 14 -> 12
    -> 3 -> 11 -> 13 -> 19 -> 8 -> 15 -> 10 -> 6 -> 1
    -> 16 -> 4 | Length = 4819,02
7 Ant 5: 5 -> 13 -> 9 -> 14 -> 12 -> 3 -> 18 -> 4 -> 17
    -> 10 -> 11 -> 16 -> 1 -> 15 -> 7 -> 6 -> 2 -> 19
    -> 8 -> 5 | Length = 4948,51
8 Ant 6: 6 -> 14 -> 18 -> 4 -> 5 -> 13 -> 16 -> 9 -> 10
    -> 8 -> 12 -> 11 -> 15 -> 19 -> 1 -> 3 -> 2 -> 7 ->
    17 -> 6 | Length = 5364,67
9 Ant 7: 7 -> 2 -> 14 -> 6 -> 17 -> 4 -> 18 -> 12 -> 3
    -> 10 -> 19 -> 13 -> 5 -> 8 -> 9 -> 15 -> 11 -> 1
    -> 16 -> 7 | Length = 3911,16
10 Ant 8: 8 -> 9 -> 11 -> 17 -> 10 -> 16 -> 15 -> 5 ->
    13 -> 14 -> 4 -> 18 -> 3 -> 12 -> 1 -> 2 -> 6 -> 7
    -> 19 -> 8 | Length = 4706,39
11 Ant 9: 9 -> 8 -> 13 -> 5 -> 11 -> 4 -> 18 -> 7 -> 2
    -> 14 -> 6 -> 12 -> 3 -> 1 -> 16 -> 17 -> 10 -> 19
    -> 15 -> 9 | Length = 3371,82
12 Ant 10: 10 -> 4 -> 18 -> 7 -> 2 -> 9 -> 14 -> 6 -> 11
    -> 19 -> 17 -> 13 -> 5 -> 8 -> 15 -> 3 -> 12 -> 16
    -> 1 -> 10 | Length = 4634,27
13 Ant 11: 11 -> 12 -> 3 -> 1 -> 5 -> 13 -> 8 -> 9 -> 17
    -> 19 -> 10 -> 2 -> 6 -> 14 -> 18 -> 4 -> 7 -> 15
    -> 16 -> 11 | Length = 4336,86
14 Ant 12: 12 -> 3 -> 6 -> 5 -> 13 -> 9 -> 2 -> 14 -> 7
    -> 8 -> 11 -> 10 -> 17 -> 4 -> 18 -> 15 -> 19 -> 1
    -> 16 -> 12 | Length = 4927,16
15 Ant 13: 13 -> 5 -> 8 -> 16 -> 1 -> 14 -> 6 -> 11 -> 3
    -> 12 -> 18 -> 4 -> 2 -> 7 -> 10 -> 17 -> 19 -> 9
    -> 15 -> 13 | Length = 3782,41
16 Ant 14: 14 -> 6 -> 1 -> 3 -> 12 -> 11 -> 5 -> 13 ->

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16 10 -> 17 -> 4 -> 18 -> 7 -> 2 -> 16 -> 15 -> 8 -> 9
-> 19 -> 14 | Length = 3845,62
17 Ant 15: 15 -> 9 -> 8 -> 5 -> 13 -> 11 -> 4 -> 18 -> 7
-> 16 -> 12 -> 3 -> 1 -> 2 -> 6 -> 14 -> 10 -> 17
-> 19 -> 15 | Length = 3937,57
18 Ant 16: 16 -> 17 -> 14 -> 2 -> 6 -> 10 -> 11 -> 12
-> 3 -> 1 -> 13 -> 5 -> 9 -> 8 -> 19 -> 18 -> 4 ->
15 -> 7 -> 16 | Length = 5084,04
19 Ant 17: 17 -> 10 -> 5 -> 13 -> 11 -> 8 -> 9 -> 3 ->
12 -> 1 -> 18 -> 4 -> 6 -> 7 -> 2 -> 14 -> 16 -> 19
-> 15 -> 17 | Length = 4837,87
20 Ant 18: 18 -> 4 -> 9 -> 11 -> 17 -> 10 -> 8 -> 5 ->
13 -> 12 -> 3 -> 16 -> 14 -> 2 -> 6 -> 1 -> 7 -> 19
-> 15 -> 18 | Length = 4803,54
21 Ant 19: 19 -> 13 -> 5 -> 8 -> 2 -> 6 -> 14 -> 3 -> 12
-> 10 -> 9 -> 17 -> 7 -> 18 -> 4 -> 1 -> 16 -> 11
-> 15 -> 19 | Length = 4363,82
22 Best so far: 3371,82
23
24 ===== Iteration 2 =====
25 Ant 1: 1 -> 14 -> 2 -> 18 -> 4 -> 5 -> 13 -> 9 -> 8
-> 17 -> 10 -> 3 -> 12 -> 16 -> 11 -> 15 -> 6 -> 7
-> 19 -> 1 | Length = 4697,32
26 Ant 2: 2 -> 12 -> 3 -> 17 -> 10 -> 11 -> 9 -> 13 -> 5
-> 8 -> 15 -> 18 -> 4 -> 7 -> 14 -> 6 -> 16 -> 1 ->
19 -> 2 | Length = 4235,66
27 Ant 3: 3 -> 1 -> 6 -> 2 -> 5 -> 13 -> 17 -> 4 -> 18
-> 7 -> 11 -> 12 -> 10 -> 19 -> 9 -> 8 -> 15 -> 16
-> 14 -> 3 | Length = 4497,33
28 Ant 4: 4 -> 18 -> 7 -> 16 -> 6 -> 14 -> 2 -> 3 -> 1
-> 17 -> 10 -> 5 -> 13 -> 8 -> 11 -> 15 -> 19 -> 12
-> 9 -> 4 | Length = 4885,83
29 Ant 5: 5 -> 13 -> 8 -> 11 -> 2 -> 7 -> 3 -> 12 -> 19
-> 10 -> 17 -> 9 -> 18 -> 4 -> 6 -> 14 -> 1 -> 16
-> 15 -> 5 | Length = 4437,12
30 Ant 6: 6 -> 2 -> 4 -> 18 -> 5 -> 13 -> 8 -> 15 -> 9
-> 12 -> 1 -> 3 -> 11 -> 10 -> 17 -> 19 -> 7 -> 14
-> 16 -> 6 | Length = 4165,99
31 Ant 7: 7 -> 2 -> 14 -> 6 -> 12 -> 3 -> 1 -> 15 -> 11
-> 17 -> 10 -> 5 -> 13 -> 9 -> 4 -> 18 -> 19 -> 8
-> 16 -> 7 | Length = 4236,45

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32 Ant 8: 8 -> 5 -> 1 -> 11 -> 17 -> 10 -> 3 -> 12 -> 18
    -> 4 -> 2 -> 14 -> 7 -> 9 -> 15 -> 6 -> 19 -> 13 ->
    16 -> 8 | Length = 5254,59
33 Ant 9: 9 -> 5 -> 13 -> 8 -> 16 -> 15 -> 11 -> 4 -> 18
    -> 17 -> 2 -> 6 -> 12 -> 3 -> 1 -> 19 -> 10 -> 7 ->
    14 -> 9 | Length = 4906,60
34 Ant 10: 10 -> 17 -> 13 -> 11 -> 3 -> 12 -> 7 -> 2 ->
    4 -> 18 -> 9 -> 8 -> 5 -> 16 -> 6 -> 14 -> 1 -> 15
    -> 19 -> 10 | Length = 4730,73
35 Ant 11: 11 -> 5 -> 13 -> 9 -> 16 -> 1 -> 2 -> 14 ->
    12 -> 10 -> 17 -> 4 -> 18 -> 19 -> 6 -> 7 -> 3 -> 15
    -> 8 -> 11 | Length = 4516,47
36 Ant 12: 12 -> 11 -> 4 -> 18 -> 7 -> 14 -> 6 -> 16 ->
    15 -> 19 -> 17 -> 13 -> 5 -> 8 -> 10 -> 3 -> 1 -> 2
    -> 9 -> 12 | Length = 4719,59
37 Ant 13: 13 -> 5 -> 4 -> 18 -> 10 -> 17 -> 8 -> 9 ->
    15 -> 6 -> 14 -> 12 -> 3 -> 1 -> 16 -> 2 -> 7 -> 11
    -> 19 -> 13 | Length = 4354,71
38 Ant 14: 14 -> 2 -> 6 -> 4 -> 18 -> 19 -> 15 -> 10 ->
    17 -> 5 -> 13 -> 9 -> 3 -> 12 -> 1 -> 16 -> 7 -> 8
    -> 11 -> 14 | Length = 4603,68
39 Ant 15: 15 -> 18 -> 4 -> 7 -> 8 -> 13 -> 5 -> 3 -> 12
    -> 1 -> 11 -> 10 -> 17 -> 19 -> 9 -> 16 -> 2 -> 14
    -> 6 -> 15 | Length = 4846,19
40 Ant 16: 16 -> 15 -> 13 -> 8 -> 9 -> 19 -> 17 -> 10
    -> 11 -> 12 -> 2 -> 14 -> 6 -> 3 -> 1 -> 4 -> 18 ->
    7 -> 5 -> 16 | Length = 4209,44
41 Ant 17: 17 -> 10 -> 13 -> 5 -> 8 -> 12 -> 3 -> 1 -> 4
    -> 18 -> 7 -> 2 -> 11 -> 9 -> 19 -> 6 -> 14 -> 15
    -> 16 -> 17 | Length = 4893,21
42 Ant 18: 18 -> 4 -> 7 -> 10 -> 12 -> 3 -> 19 -> 5 -> 8
    -> 9 -> 13 -> 17 -> 11 -> 14 -> 6 -> 2 -> 15 -> 16
    -> 1 -> 18 | Length = 4541,98
43 Ant 19: 19 -> 4 -> 18 -> 17 -> 11 -> 12 -> 3 -> 13
    -> 5 -> 8 -> 10 -> 1 -> 6 -> 7 -> 2 -> 9 -> 15 -> 16
    -> 14 -> 19 | Length = 4764,92
44 Best so far: 3371,82
45
46 ===== Iteration 3 =====
47 Ant 1: 1 -> 16 -> 15 -> 17 -> 5 -> 13 -> 8 -> 9 -> 11
    -> 3 -> 12 -> 10 -> 4 -> 18 -> 6 -> 2 -> 14 -> 7 ->

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47 19 -> 1 | Length = 4206,28
48 Ant 2: 2 -> 7 -> 4 -> 18 -> 12 -> 16 -> 3 -> 11 -> 10
    -> 6 -> 14 -> 1 -> 13 -> 8 -> 17 -> 5 -> 9 -> 19 ->
    15 -> 2 | Length = 4680,69
49 Ant 3: 3 -> 12 -> 13 -> 5 -> 19 -> 17 -> 10 -> 4 ->
    18 -> 7 -> 2 -> 6 -> 14 -> 15 -> 8 -> 1 -> 11 -> 16
    -> 9 -> 3 | Length = 4702,75
50 Ant 4: 4 -> 18 -> 5 -> 13 -> 8 -> 9 -> 15 -> 17 -> 10
    -> 11 -> 12 -> 3 -> 1 -> 7 -> 2 -> 6 -> 14 -> 16 ->
    19 -> 4 | Length = 4028,32
51 Ant 5: 5 -> 13 -> 9 -> 19 -> 11 -> 3 -> 1 -> 6 -> 2
    -> 18 -> 4 -> 7 -> 12 -> 10 -> 17 -> 16 -> 8 -> 14
    -> 15 -> 5 | Length = 4832,56
52 Ant 6: 6 -> 12 -> 3 -> 2 -> 4 -> 18 -> 7 -> 13 -> 5
    -> 14 -> 8 -> 10 -> 17 -> 11 -> 9 -> 19 -> 1 -> 16
    -> 15 -> 6 | Length = 5436,87
53 Ant 7: 7 -> 4 -> 18 -> 2 -> 13 -> 5 -> 17 -> 11 -> 3
    -> 12 -> 10 -> 14 -> 6 -> 15 -> 9 -> 8 -> 19 -> 16
    -> 1 -> 7 | Length = 4680,19
54 Ant 8: 8 -> 18 -> 4 -> 7 -> 17 -> 19 -> 12 -> 3 -> 11
    -> 13 -> 5 -> 9 -> 15 -> 1 -> 14 -> 6 -> 10 -> 2 ->
    16 -> 8 | Length = 4802,85
55 Ant 9: 9 -> 15 -> 19 -> 13 -> 5 -> 8 -> 12 -> 3 -> 6
    -> 1 -> 17 -> 10 -> 4 -> 18 -> 7 -> 14 -> 2 -> 11
    -> 16 -> 9 | Length = 4181,57
56 Ant 10: 10 -> 12 -> 3 -> 11 -> 9 -> 13 -> 5 -> 1 -> 2
    -> 14 -> 6 -> 18 -> 4 -> 19 -> 17 -> 8 -> 15 -> 16
    -> 7 -> 10 | Length = 4439,85
57 Ant 11: 11 -> 8 -> 15 -> 9 -> 5 -> 13 -> 17 -> 12 ->
    3 -> 1 -> 18 -> 4 -> 7 -> 2 -> 14 -> 6 -> 10 -> 19
    -> 16 -> 11 | Length = 3821,31
58 Ant 12: 12 -> 1 -> 16 -> 10 -> 17 -> 13 -> 5 -> 8 ->
    11 -> 9 -> 19 -> 2 -> 14 -> 6 -> 7 -> 4 -> 18 -> 15
    -> 3 -> 12 | Length = 3990,93
59 Ant 13: 13 -> 10 -> 17 -> 4 -> 18 -> 7 -> 2 -> 14 ->
    9 -> 12 -> 3 -> 1 -> 16 -> 11 -> 8 -> 5 -> 15 -> 19
    -> 6 -> 13 | Length = 4616,95
60 Ant 14: 14 -> 7 -> 18 -> 4 -> 16 -> 19 -> 17 -> 10
    -> 8 -> 15 -> 1 -> 12 -> 3 -> 11 -> 2 -> 6 -> 13 ->
    5 -> 9 -> 14 | Length = 5135,32
61 Ant 15: 15 -> 11 -> 7 -> 4 -> 18 -> 2 -> 14 -> 5 -> 8

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61  -> 10 -> 17 -> 12 -> 3 -> 1 -> 6 -> 19 -> 9 -> 13
    -> 16 -> 15 | Length = 4643,47
62 Ant 16: 16 -> 11 -> 10 -> 17 -> 19 -> 6 -> 2 -> 7
    -> 12 -> 3 -> 5 -> 13 -> 9 -> 8 -> 15 -> 4 -> 18
    -> 1 -> 14 -> 16 | Length = 4723,08
63 Ant 17: 17 -> 18 -> 4 -> 15 -> 9 -> 8 -> 11 -> 13
    -> 5 -> 19 -> 6 -> 14 -> 2 -> 7 -> 10 -> 12 -> 3
    -> 1 -> 16 -> 17 | Length = 3899,72
64 Ant 18: 18 -> 4 -> 7 -> 2 -> 12 -> 3 -> 11 -> 8 -> 5
    -> 13 -> 9 -> 15 -> 16 -> 14 -> 6 -> 19 -> 17 -> 1
    -> 10 -> 18 | Length = 4155,53
65 Ant 19: 19 -> 18 -> 4 -> 7 -> 5 -> 13 -> 8 -> 10 ->
    17 -> 14 -> 6 -> 12 -> 3 -> 1 -> 9 -> 11 -> 16 -> 15
    -> 2 -> 19 | Length = 4888,68
66 Best so far: 3371,82
67
68 ===== Iteration 4 =====
69 Ant 1: 1 -> 3 -> 13 -> 5 -> 12 -> 6 -> 2 -> 7 -> 18
    -> 4 -> 17 -> 10 -> 11 -> 19 -> 9 -> 14 -> 8 -> 15
    -> 16 -> 1 | Length = 4570,62
70 Ant 2: 2 -> 7 -> 10 -> 9 -> 5 -> 13 -> 17 -> 3 -> 12
    -> 11 -> 6 -> 14 -> 19 -> 4 -> 18 -> 8 -> 15 -> 16
    -> 1 -> 2 | Length = 4409,09
71 Ant 3: 3 -> 12 -> 10 -> 11 -> 2 -> 6 -> 14 -> 15 ->
    8 -> 5 -> 13 -> 9 -> 1 -> 17 -> 18 -> 4 -> 7 -> 16
    -> 19 -> 3 | Length = 5187,49
72 Ant 4: 4 -> 18 -> 7 -> 19 -> 12 -> 3 -> 9 -> 13 -> 5
    -> 11 -> 8 -> 6 -> 17 -> 10 -> 16 -> 15 -> 14 -> 2
    -> 1 -> 4 | Length = 5409,32
73 Ant 5: 5 -> 10 -> 17 -> 3 -> 2 -> 7 -> 6 -> 14 -> 1
    -> 12 -> 16 -> 4 -> 18 -> 19 -> 13 -> 9 -> 15 -> 8
    -> 11 -> 5 | Length = 4017,06
74 Ant 6: 6 -> 13 -> 5 -> 8 -> 14 -> 15 -> 9 -> 19 ->
    17 -> 10 -> 11 -> 12 -> 3 -> 4 -> 18 -> 7 -> 2 -> 16
    -> 1 -> 6 | Length = 4666,33
75 Ant 7: 7 -> 4 -> 18 -> 19 -> 17 -> 1 -> 12 -> 3 -> 5
    -> 13 -> 9 -> 11 -> 10 -> 16 -> 6 -> 15 -> 14 -> 2
    -> 8 -> 7 | Length = 5450,52
76 Ant 8: 8 -> 13 -> 5 -> 9 -> 3 -> 12 -> 17 -> 1 -> 4
    -> 18 -> 2 -> 7 -> 10 -> 11 -> 6 -> 14 -> 19 -> 16
    -> 15 -> 8 | Length = 4999,10

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77 Ant 9: 9 -> 5 -> 13 -> 19 -> 17 -> 10 -> 12 -> 3 ->
    11 -> 18 -> 4 -> 7 -> 2 -> 6 -> 14 -> 1 -> 15 -> 8
    -> 16 -> 9 | Length = 3976,81
78 Ant 10: 10 -> 11 -> 4 -> 18 -> 17 -> 3 -> 6 -> 9 ->
    13 -> 5 -> 8 -> 19 -> 12 -> 14 -> 2 -> 7 -> 1 -> 16
    -> 15 -> 10 | Length = 4839,44
79 Ant 11: 11 -> 9 -> 13 -> 5 -> 8 -> 17 -> 10 -> 7 ->
    2 -> 14 -> 6 -> 12 -> 3 -> 1 -> 19 -> 18 -> 4 -> 15
    -> 16 -> 11 | Length = 4050,29
80 Ant 12: 12 -> 3 -> 1 -> 6 -> 14 -> 11 -> 10 -> 17
    -> 5 -> 13 -> 19 -> 2 -> 7 -> 18 -> 4 -> 16 -> 9
    -> 8 -> 15 -> 12 | Length = 4294,67
81 Ant 13: 13 -> 5 -> 4 -> 18 -> 11 -> 1 -> 3 -> 12 ->
    6 -> 16 -> 8 -> 2 -> 14 -> 7 -> 17 -> 10 -> 19 -> 9
    -> 15 -> 13 | Length = 4421,89
82 Ant 14: 14 -> 2 -> 16 -> 11 -> 10 -> 3 -> 12 -> 1
    -> 7 -> 4 -> 18 -> 5 -> 13 -> 8 -> 9 -> 17 -> 15
    -> 19 -> 6 -> 14 | Length = 4429,64
83 Ant 15: 15 -> 3 -> 12 -> 1 -> 17 -> 5 -> 13 -> 9 ->
    11 -> 8 -> 4 -> 18 -> 7 -> 2 -> 6 -> 14 -> 10 -> 19
    -> 16 -> 15 | Length = 4501,81
84 Ant 16: 16 -> 4 -> 18 -> 19 -> 17 -> 3 -> 1 -> 11
    -> 12 -> 6 -> 14 -> 7 -> 2 -> 10 -> 5 -> 9 -> 8 ->
    13 -> 15 -> 16 | Length = 4208,36
85 Ant 17: 17 -> 16 -> 2 -> 14 -> 6 -> 15 -> 13 -> 5
    -> 8 -> 19 -> 4 -> 18 -> 3 -> 12 -> 1 -> 10 -> 11
    -> 9 -> 7 -> 17 | Length = 4963,45
86 Ant 18: 18 -> 4 -> 5 -> 13 -> 17 -> 3 -> 12 -> 10
    -> 7 -> 14 -> 6 -> 2 -> 9 -> 8 -> 11 -> 1 -> 16 ->
    15 -> 19 -> 18 | Length = 4232,84
87 Ant 19: 19 -> 3 -> 7 -> 6 -> 1 -> 12 -> 4 -> 18 ->
    13 -> 5 -> 10 -> 17 -> 11 -> 8 -> 9 -> 2 -> 14 -> 15
    -> 16 -> 19 | Length = 5497,47
88 Best so far: 3371,82
89
90 ===== Iteration 5 =====
91 Ant 1: 1 -> 4 -> 18 -> 10 -> 11 -> 2 -> 13 -> 5 -> 9
    -> 16 -> 15 -> 8 -> 3 -> 12 -> 7 -> 6 -> 14 -> 19
    -> 17 -> 1 | Length = 5250,42
92 Ant 2: 2 -> 17 -> 18 -> 4 -> 12 -> 3 -> 6 -> 14 -> 7
    -> 8 -> 5 -> 13 -> 19 -> 11 -> 10 -> 1 -> 16 -> 9

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92  -> 15 -> 2 | Length = 4644,09
93 Ant 3: 3 -> 12 -> 1 -> 2 -> 7 -> 18 -> 4 -> 13 -> 5
      -> 17 -> 11 -> 8 -> 9 -> 15 -> 19 -> 10 -> 6 -> 14
      -> 16 -> 3 | Length = 3940,05
94 Ant 4: 4 -> 18 -> 7 -> 2 -> 6 -> 17 -> 19 -> 16 ->
      12 -> 3 -> 5 -> 13 -> 8 -> 11 -> 15 -> 9 -> 10 -> 14
      -> 1 -> 4 | Length = 4624,60
95 Ant 5: 5 -> 9 -> 19 -> 17 -> 18 -> 4 -> 10 -> 12 ->
      1 -> 3 -> 11 -> 13 -> 8 -> 7 -> 6 -> 14 -> 2 -> 15
      -> 16 -> 5 | Length = 4572,41
96 Ant 6: 6 -> 12 -> 3 -> 2 -> 14 -> 1 -> 9 -> 5 -> 13
      -> 17 -> 10 -> 18 -> 4 -> 7 -> 11 -> 19 -> 15 -> 8
      -> 16 -> 6 | Length = 4621,44
97 Ant 7: 7 -> 19 -> 10 -> 17 -> 11 -> 12 -> 16 -> 13
      -> 5 -> 8 -> 9 -> 15 -> 14 -> 2 -> 3 -> 1 -> 18 ->
      4 -> 6 -> 7 | Length = 4710,04
98 Ant 8: 8 -> 9 -> 12 -> 3 -> 5 -> 13 -> 17 -> 10 ->
      11 -> 15 -> 6 -> 7 -> 14 -> 2 -> 18 -> 4 -> 19 -> 1
      -> 16 -> 8 | Length = 4634,58
99 Ant 9: 9 -> 4 -> 18 -> 7 -> 6 -> 2 -> 14 -> 3 -> 10
      -> 5 -> 13 -> 19 -> 12 -> 1 -> 16 -> 11 -> 8 -> 15
      -> 17 -> 9 | Length = 4146,05
100 Ant 10: 10 -> 17 -> 9 -> 13 -> 3 -> 6 -> 5 -> 8 -> 4
      -> 18 -> 2 -> 14 -> 1 -> 12 -> 11 -> 19 -> 15 -> 7
      -> 16 -> 10 | Length = 5537,90
101 Ant 11: 11 -> 3 -> 12 -> 10 -> 5 -> 13 -> 9 -> 4 ->
      18 -> 2 -> 7 -> 14 -> 6 -> 17 -> 8 -> 15 -> 19 -> 1
      -> 16 -> 11 | Length = 4133,25
102 Ant 12: 12 -> 3 -> 11 -> 5 -> 13 -> 19 -> 8 -> 9 ->
      16 -> 10 -> 6 -> 18 -> 4 -> 14 -> 2 -> 17 -> 15 -> 1
      -> 7 -> 12 | Length = 5190,11
103 Ant 13: 13 -> 5 -> 11 -> 8 -> 10 -> 1 -> 6 -> 2 ->
      14 -> 7 -> 18 -> 4 -> 12 -> 3 -> 15 -> 9 -> 19 -> 17
      -> 16 -> 13 | Length = 4214,40
104 Ant 14: 14 -> 2 -> 7 -> 17 -> 10 -> 1 -> 6 -> 19 ->
      9 -> 8 -> 11 -> 12 -> 3 -> 15 -> 13 -> 5 -> 4 -> 18
      -> 16 -> 14 | Length = 4771,51
105 Ant 15: 15 -> 8 -> 11 -> 12 -> 3 -> 1 -> 14 -> 2 ->
      10 -> 5 -> 13 -> 4 -> 18 -> 17 -> 6 -> 9 -> 7 -> 16
      -> 19 -> 15 | Length = 5385,03
106 Ant 16: 16 -> 6 -> 2 -> 14 -> 13 -> 9 -> 5 -> 8 ->

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106 12 -> 3 -> 1 -> 17 -> 10 -> 19 -> 18 -> 4 -> 7 -> 11
    -> 15 -> 16 | Length = 4410,68
107 Ant 17: 17 -> 10 -> 4 -> 18 -> 7 -> 8 -> 11 -> 13
    -> 5 -> 9 -> 19 -> 12 -> 6 -> 2 -> 14 -> 3 -> 1 ->
    16 -> 15 -> 17 | Length = 4155,59
108 Ant 18: 18 -> 4 -> 2 -> 14 -> 1 -> 3 -> 12 -> 11 ->
    10 -> 17 -> 5 -> 13 -> 9 -> 8 -> 15 -> 19 -> 7 -> 16
    -> 6 -> 18 | Length = 4130,15
109 Ant 19: 19 -> 11 -> 8 -> 5 -> 13 -> 9 -> 10 -> 12
    -> 3 -> 1 -> 17 -> 4 -> 18 -> 7 -> 14 -> 6 -> 2 ->
    15 -> 16 -> 19 | Length = 4363,03
110 Best so far: 3371,82
111
112 ===== Iteration 6 =====
113 Ant 1: 1 -> 6 -> 14 -> 7 -> 2 -> 12 -> 3 -> 11 -> 17
    -> 4 -> 18 -> 8 -> 5 -> 13 -> 9 -> 15 -> 19 -> 10
    -> 16 -> 1 | Length = 3694,79
114 Ant 2: 2 -> 6 -> 14 -> 17 -> 10 -> 11 -> 3 -> 12 ->
    13 -> 5 -> 8 -> 9 -> 19 -> 18 -> 4 -> 7 -> 15 -> 16
    -> 1 -> 2 | Length = 3994,42
115 Ant 3: 3 -> 12 -> 6 -> 14 -> 7 -> 2 -> 10 -> 11 ->
    18 -> 4 -> 13 -> 5 -> 8 -> 17 -> 19 -> 9 -> 15 -> 16
    -> 1 -> 3 | Length = 3581,59
116 Ant 4: 4 -> 18 -> 17 -> 8 -> 2 -> 11 -> 19 -> 13 ->
    5 -> 10 -> 12 -> 3 -> 6 -> 14 -> 1 -> 16 -> 7 -> 9
    -> 15 -> 4 | Length = 5044,24
117 Ant 5: 5 -> 13 -> 7 -> 4 -> 18 -> 17 -> 10 -> 11 ->
    3 -> 12 -> 1 -> 14 -> 6 -> 2 -> 8 -> 15 -> 9 -> 19
    -> 16 -> 5 | Length = 4215,17
118 Ant 6: 6 -> 10 -> 8 -> 5 -> 13 -> 9 -> 4 -> 18 -> 7
    -> 16 -> 3 -> 12 -> 1 -> 11 -> 17 -> 15 -> 19 -> 2
    -> 14 -> 6 | Length = 4356,47
119 Ant 7: 7 -> 18 -> 4 -> 10 -> 17 -> 2 -> 14 -> 8 -> 9
    -> 5 -> 13 -> 3 -> 12 -> 6 -> 1 -> 16 -> 11 -> 19
    -> 15 -> 7 | Length = 4603,47
120 Ant 8: 8 -> 9 -> 5 -> 13 -> 10 -> 4 -> 18 -> 7 -> 1
    -> 3 -> 12 -> 17 -> 11 -> 16 -> 14 -> 6 -> 2 -> 19
    -> 15 -> 8 | Length = 4129,82
121 Ant 9: 9 -> 13 -> 5 -> 10 -> 3 -> 12 -> 16 -> 8 ->
    17 -> 11 -> 18 -> 4 -> 7 -> 6 -> 1 -> 15 -> 14 -> 2
    -> 19 -> 9 | Length = 4771,19

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122 Ant 10: 10 -> 2 -> 12 -> 11 -> 18 -> 4 -> 7 -> 3 ->
    17 -> 8 -> 5 -> 13 -> 19 -> 16 -> 1 -> 6 -> 14 -> 9
    -> 15 -> 10 | Length = 4829,42
123 Ant 11: 11 -> 12 -> 3 -> 6 -> 2 -> 10 -> 7 -> 19 ->
    5 -> 13 -> 8 -> 17 -> 4 -> 18 -> 15 -> 9 -> 1 -> 16
    -> 14 -> 11 | Length = 4849,75
124 Ant 12: 12 -> 3 -> 17 -> 10 -> 13 -> 5 -> 1 -> 16
    -> 2 -> 6 -> 14 -> 11 -> 19 -> 18 -> 4 -> 7 -> 8
    -> 9 -> 15 -> 12 | Length = 4547,09
125 Ant 13: 13 -> 17 -> 10 -> 12 -> 3 -> 11 -> 8 -> 5
    -> 15 -> 7 -> 6 -> 2 -> 14 -> 18 -> 4 -> 19 -> 1
    -> 9 -> 16 -> 13 | Length = 5050,61
126 Ant 14: 14 -> 6 -> 4 -> 18 -> 7 -> 15 -> 3 -> 2 -> 9
    -> 8 -> 19 -> 13 -> 5 -> 10 -> 11 -> 17 -> 12 -> 1
    -> 16 -> 14 | Length = 4930,14
127 Ant 15: 15 -> 16 -> 1 -> 3 -> 12 -> 6 -> 14 -> 2 ->
    7 -> 17 -> 13 -> 5 -> 19 -> 4 -> 18 -> 10 -> 11 -> 8
    -> 9 -> 15 | Length = 3202,92
128 Ant 16: 16 -> 13 -> 9 -> 1 -> 11 -> 8 -> 5 -> 15 ->
    12 -> 3 -> 10 -> 17 -> 18 -> 4 -> 7 -> 2 -> 14 -> 6
    -> 19 -> 16 | Length = 4652,83
129 Ant 17: 17 -> 13 -> 5 -> 8 -> 9 -> 15 -> 11 -> 10
    -> 1 -> 2 -> 14 -> 18 -> 4 -> 19 -> 12 -> 3 -> 6
    -> 7 -> 16 -> 17 | Length = 4474,93
130 Ant 18: 18 -> 4 -> 7 -> 2 -> 14 -> 6 -> 10 -> 19 ->
    13 -> 5 -> 9 -> 8 -> 15 -> 12 -> 3 -> 1 -> 16 -> 17
    -> 11 -> 18 | Length = 3668,07
131 Ant 19: 19 -> 5 -> 13 -> 8 -> 10 -> 17 -> 6 -> 11
    -> 12 -> 3 -> 9 -> 4 -> 18 -> 7 -> 2 -> 14 -> 16
    -> 1 -> 15 -> 19 | Length = 4620,49
132 Best so far: 3202,92
133
134 ===== Iteration 7 =====
135 Ant 1: 1 -> 10 -> 3 -> 12 -> 6 -> 19 -> 11 -> 8 ->
    13 -> 5 -> 15 -> 9 -> 17 -> 18 -> 4 -> 7 -> 2 -> 14
    -> 16 -> 1 | Length = 3998,81
136 Ant 2: 2 -> 6 -> 7 -> 18 -> 4 -> 17 -> 1 -> 12 -> 3
    -> 10 -> 5 -> 8 -> 13 -> 9 -> 15 -> 16 -> 11 -> 19
    -> 14 -> 2 | Length = 3983,84
137 Ant 3: 3 -> 11 -> 10 -> 12 -> 5 -> 13 -> 17 -> 18
    -> 4 -> 2 -> 14 -> 6 -> 7 -> 19 -> 9 -> 1 -> 15 ->

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137 Ant 8: 8 -> 16 -> 3 | Length = 4527,46
138 Ant 4: 4 -> 18 -> 14 -> 3 -> 12 -> 10 -> 11 -> 5 ->
    13 -> 9 -> 19 -> 8 -> 15 -> 6 -> 2 -> 7 -> 1 -> 16
    -> 17 -> 4 | Length = 4356,91
139 Ant 5: 5 -> 13 -> 9 -> 8 -> 10 -> 17 -> 3 -> 12 ->
    18 -> 4 -> 14 -> 11 -> 6 -> 1 -> 16 -> 7 -> 2 -> 15
    -> 19 -> 5 | Length = 4921,88
140 Ant 6: 6 -> 7 -> 2 -> 14 -> 17 -> 3 -> 12 -> 10 ->
    18 -> 4 -> 5 -> 8 -> 1 -> 16 -> 13 -> 9 -> 11 -> 15
    -> 19 -> 6 | Length = 4835,32
141 Ant 7: 7 -> 2 -> 6 -> 14 -> 15 -> 8 -> 5 -> 13 -> 17
    -> 11 -> 10 -> 19 -> 18 -> 4 -> 9 -> 16 -> 1 -> 12
    -> 3 -> 7 | Length = 4178,06
142 Ant 8: 8 -> 5 -> 13 -> 9 -> 11 -> 12 -> 10 -> 17 ->
    19 -> 4 -> 18 -> 2 -> 6 -> 14 -> 3 -> 1 -> 16 -> 15
    -> 7 -> 8 | Length = 4152,99
143 Ant 9: 9 -> 4 -> 18 -> 8 -> 5 -> 13 -> 19 -> 12 -> 3
    -> 1 -> 16 -> 10 -> 17 -> 7 -> 2 -> 6 -> 14 -> 11
    -> 15 -> 9 | Length = 4061,72
144 Ant 10: 10 -> 12 -> 3 -> 17 -> 2 -> 14 -> 6 -> 1 ->
    16 -> 7 -> 19 -> 5 -> 13 -> 8 -> 9 -> 15 -> 11 -> 4
    -> 18 -> 10 | Length = 4073,83
145 Ant 11: 11 -> 8 -> 2 -> 7 -> 18 -> 4 -> 17 -> 10 ->
    5 -> 13 -> 16 -> 12 -> 3 -> 9 -> 15 -> 19 -> 1 -> 6
    -> 14 -> 11 | Length = 4686,37
146 Ant 12: 12 -> 16 -> 14 -> 7 -> 18 -> 4 -> 15 -> 9
    -> 19 -> 10 -> 13 -> 5 -> 8 -> 11 -> 3 -> 17 -> 1
    -> 2 -> 6 -> 12 | Length = 4516,39
147 Ant 13: 13 -> 5 -> 8 -> 11 -> 12 -> 6 -> 2 -> 14 ->
    4 -> 18 -> 7 -> 17 -> 10 -> 19 -> 3 -> 1 -> 16 -> 9
    -> 15 -> 13 | Length = 3818,87
148 Ant 14: 14 -> 2 -> 6 -> 1 -> 12 -> 3 -> 15 -> 19 ->
    4 -> 18 -> 7 -> 10 -> 11 -> 8 -> 5 -> 13 -> 9 -> 17
    -> 16 -> 14 | Length = 4087,60
149 Ant 15: 15 -> 19 -> 10 -> 7 -> 9 -> 8 -> 13 -> 5 ->
    4 -> 18 -> 2 -> 6 -> 14 -> 1 -> 12 -> 16 -> 17 -> 11
    -> 3 -> 15 | Length = 4753,64
150 Ant 16: 16 -> 12 -> 3 -> 11 -> 10 -> 8 -> 5 -> 13
    -> 9 -> 18 -> 4 -> 14 -> 2 -> 7 -> 17 -> 19 -> 1
    -> 15 -> 6 -> 16 | Length = 4913,16
151 Ant 17: 17 -> 4 -> 18 -> 7 -> 11 -> 2 -> 13 -> 9 ->

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151 5 -> 12 -> 3 -> 10 -> 8 -> 15 -> 16 -> 1 -> 6 -> 14
    -> 19 -> 17 | Length = 4561,30
152 Ant 18: 18 -> 4 -> 2 -> 14 -> 7 -> 19 -> 8 -> 5 ->
    13 -> 11 -> 10 -> 16 -> 6 -> 1 -> 3 -> 12 -> 15 -> 9
    -> 17 -> 18 | Length = 4111,60
153 Ant 19: 19 -> 10 -> 17 -> 8 -> 5 -> 13 -> 11 -> 15
    -> 9 -> 4 -> 18 -> 7 -> 14 -> 2 -> 6 -> 1 -> 12 ->
    3 -> 16 -> 19 | Length = 3808,95
154 Best so far: 3202,92
155
156 ===== Iteration 8 =====
157 Ant 1: 1 -> 7 -> 18 -> 4 -> 9 -> 13 -> 11 -> 8 -> 17
    -> 6 -> 12 -> 3 -> 5 -> 10 -> 2 -> 14 -> 19 -> 15
    -> 16 -> 1 | Length = 4847,43
158 Ant 2: 2 -> 10 -> 11 -> 1 -> 16 -> 12 -> 3 -> 6 ->
    14 -> 5 -> 13 -> 17 -> 4 -> 18 -> 7 -> 9 -> 8 -> 19
    -> 15 -> 2 | Length = 4761,69
159 Ant 3: 3 -> 12 -> 11 -> 4 -> 18 -> 16 -> 13 -> 5 ->
    8 -> 10 -> 1 -> 2 -> 6 -> 14 -> 7 -> 15 -> 9 -> 17
    -> 19 -> 3 | Length = 4942,72
160 Ant 4: 4 -> 18 -> 17 -> 13 -> 5 -> 9 -> 8 -> 15 ->
    10 -> 3 -> 12 -> 11 -> 19 -> 7 -> 2 -> 6 -> 14 -> 16
    -> 1 -> 4 | Length = 4053,26
161 Ant 5: 5 -> 13 -> 15 -> 9 -> 10 -> 6 -> 14 -> 4 ->
    18 -> 7 -> 17 -> 11 -> 3 -> 12 -> 16 -> 1 -> 2 -> 19
    -> 8 -> 5 | Length = 4024,07
162 Ant 6: 6 -> 14 -> 2 -> 8 -> 5 -> 9 -> 13 -> 19 -> 4
    -> 18 -> 17 -> 3 -> 12 -> 10 -> 11 -> 15 -> 16 -> 1
    -> 7 -> 6 | Length = 3962,45
163 Ant 7: 7 -> 19 -> 9 -> 15 -> 5 -> 11 -> 10 -> 12 ->
    3 -> 13 -> 8 -> 4 -> 18 -> 2 -> 6 -> 14 -> 1 -> 16
    -> 17 -> 7 | Length = 4199,03
164 Ant 8: 8 -> 5 -> 13 -> 19 -> 11 -> 1 -> 6 -> 2 -> 7
    -> 4 -> 18 -> 10 -> 12 -> 3 -> 9 -> 15 -> 14 -> 17
    -> 16 -> 8 | Length = 4720,96
165 Ant 9: 9 -> 17 -> 16 -> 3 -> 12 -> 14 -> 6 -> 18 ->
    4 -> 2 -> 1 -> 7 -> 10 -> 8 -> 11 -> 13 -> 5 -> 19
    -> 15 -> 9 | Length = 4544,52
166 Ant 10: 10 -> 7 -> 4 -> 18 -> 19 -> 17 -> 9 -> 13
    -> 15 -> 5 -> 11 -> 3 -> 12 -> 1 -> 6 -> 14 -> 2
    -> 8 -> 16 -> 10 | Length = 4091,07

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167 Ant 11: 11 -> 10 -> 8 -> 9 -> 13 -> 5 -> 17 -> 4 ->
    18 -> 7 -> 1 -> 12 -> 3 -> 19 -> 6 -> 2 -> 14 -> 16
    -> 15 -> 11 | Length = 4378,54
168 Ant 12: 12 -> 3 -> 1 -> 6 -> 2 -> 14 -> 18 -> 4 ->
    19 -> 17 -> 5 -> 13 -> 10 -> 11 -> 9 -> 15 -> 16 ->
    8 -> 7 -> 12 | Length = 4094,69
169 Ant 13: 13 -> 5 -> 8 -> 12 -> 3 -> 1 -> 2 -> 18 -> 4
    -> 17 -> 10 -> 7 -> 6 -> 16 -> 9 -> 11 -> 19 -> 15
    -> 14 -> 13 | Length = 5399,59
170 Ant 14: 14 -> 2 -> 7 -> 15 -> 10 -> 17 -> 3 -> 12
    -> 9 -> 13 -> 5 -> 8 -> 1 -> 19 -> 18 -> 4 -> 11
    -> 6 -> 16 -> 14 | Length = 5394,55
171 Ant 15: 15 -> 11 -> 1 -> 3 -> 12 -> 10 -> 17 -> 13
    -> 5 -> 4 -> 18 -> 14 -> 2 -> 7 -> 6 -> 19 -> 9 ->
    8 -> 16 -> 15 | Length = 4198,27
172 Ant 16: 16 -> 6 -> 18 -> 4 -> 10 -> 13 -> 5 -> 8 ->
    19 -> 17 -> 2 -> 14 -> 3 -> 12 -> 1 -> 11 -> 9 -> 15
    -> 7 -> 16 | Length = 4926,46
173 Ant 17: 17 -> 6 -> 14 -> 9 -> 5 -> 13 -> 10 -> 2 ->
    18 -> 4 -> 7 -> 8 -> 11 -> 3 -> 12 -> 1 -> 16 -> 15
    -> 19 -> 17 | Length = 4458,15
174 Ant 18: 18 -> 4 -> 14 -> 7 -> 2 -> 1 -> 3 -> 13 -> 5
    -> 8 -> 17 -> 10 -> 11 -> 6 -> 19 -> 16 -> 15 -> 9
    -> 12 -> 18 | Length = 5021,37
175 Ant 19: 19 -> 13 -> 5 -> 9 -> 15 -> 11 -> 8 -> 4 ->
    18 -> 3 -> 1 -> 12 -> 17 -> 10 -> 14 -> 7 -> 2 -> 6
    -> 16 -> 19 | Length = 4381,05
176 Best so far: 3202,92
177
178 ===== Iteration 9 =====
179 Ant 1: 1 -> 14 -> 6 -> 2 -> 17 -> 5 -> 9 -> 15 -> 8
    -> 19 -> 4 -> 18 -> 11 -> 10 -> 7 -> 13 -> 3 -> 12
    -> 16 -> 1 | Length = 4196,59
180 Ant 2: 2 -> 19 -> 11 -> 10 -> 13 -> 5 -> 12 -> 3 ->
    18 -> 4 -> 7 -> 14 -> 6 -> 16 -> 1 -> 8 -> 15 -> 9
    -> 17 -> 2 | Length = 4406,25
181 Ant 3: 3 -> 17 -> 10 -> 11 -> 13 -> 5 -> 18 -> 4 ->
    2 -> 14 -> 12 -> 16 -> 1 -> 6 -> 15 -> 8 -> 9 -> 19
    -> 7 -> 3 | Length = 4474,99
182 Ant 4: 4 -> 18 -> 11 -> 13 -> 5 -> 8 -> 3 -> 17 ->
    10 -> 19 -> 14 -> 6 -> 2 -> 16 -> 1 -> 12 -> 7 -> 9

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182	-> 15 -> 4 Length = 4946,17
183	Ant 5: 5 -> 13 -> 8 -> 11 -> 10 -> 3 -> 1 -> 14 -> 6 -> 2 -> 7 -> 18 -> 4 -> 17 -> 12 -> 9 -> 19 -> 15 -> 16 -> 5 Length = 4070,07
184	Ant 6: 6 -> 14 -> 2 -> 3 -> 12 -> 17 -> 7 -> 4 -> 18 -> 19 -> 5 -> 10 -> 13 -> 8 -> 11 -> 16 -> 1 -> 15 -> 9 -> 6 Length = 4212,43
185	Ant 7: 7 -> 6 -> 14 -> 1 -> 12 -> 17 -> 10 -> 13 -> 5 -> 9 -> 16 -> 4 -> 18 -> 2 -> 3 -> 11 -> 8 -> 15 -> 19 -> 7 Length = 4568,45
186	Ant 8: 8 -> 10 -> 7 -> 4 -> 18 -> 17 -> 13 -> 5 -> 9 -> 2 -> 14 -> 6 -> 11 -> 19 -> 15 -> 16 -> 1 -> 12 -> 3 -> 8 Length = 4290,22
187	Ant 9: 9 -> 13 -> 5 -> 17 -> 10 -> 11 -> 7 -> 4 -> 18 -> 19 -> 14 -> 6 -> 3 -> 12 -> 1 -> 2 -> 15 -> 8 -> 16 -> 9 Length = 4530,02
188	Ant 10: 10 -> 8 -> 5 -> 4 -> 18 -> 9 -> 3 -> 12 -> 2 -> 14 -> 13 -> 11 -> 1 -> 15 -> 19 -> 17 -> 7 -> 6 -> 16 -> 10 Length = 5588,52
189	Ant 11: 11 -> 8 -> 3 -> 12 -> 4 -> 18 -> 9 -> 13 -> 5 -> 15 -> 16 -> 19 -> 17 -> 10 -> 7 -> 2 -> 14 -> 6 -> 1 -> 11 Length = 4294,08
190	Ant 12: 12 -> 14 -> 2 -> 6 -> 3 -> 4 -> 18 -> 17 -> 10 -> 13 -> 5 -> 8 -> 9 -> 15 -> 1 -> 7 -> 19 -> 11 -> 16 -> 12 Length = 4499,93
191	Ant 13: 13 -> 5 -> 17 -> 10 -> 11 -> 8 -> 12 -> 3 -> 16 -> 19 -> 4 -> 18 -> 15 -> 9 -> 7 -> 2 -> 14 -> 6 -> 1 -> 13 Length = 4403,30
192	Ant 14: 14 -> 2 -> 3 -> 12 -> 1 -> 19 -> 7 -> 4 -> 18 -> 8 -> 11 -> 5 -> 13 -> 9 -> 15 -> 10 -> 17 -> 16 -> 6 -> 14 Length = 4287,13
193	Ant 15: 15 -> 12 -> 3 -> 16 -> 11 -> 8 -> 5 -> 13 -> 10 -> 6 -> 18 -> 4 -> 19 -> 9 -> 17 -> 7 -> 2 -> 14 -> 1 -> 15 Length = 4462,29
194	Ant 16: 16 -> 1 -> 12 -> 3 -> 11 -> 14 -> 6 -> 2 -> 17 -> 10 -> 9 -> 13 -> 5 -> 8 -> 7 -> 4 -> 18 -> 19 -> 15 -> 16 Length = 3951,35
195	Ant 17: 17 -> 5 -> 13 -> 8 -> 9 -> 15 -> 10 -> 12 -> 3 -> 1 -> 14 -> 6 -> 4 -> 18 -> 7 -> 11 -> 19 -> 2 -> 16 -> 17 Length = 4510,71
196	Ant 18: 18 -> 4 -> 9 -> 5 -> 13 -> 19 -> 6 -> 12 ->

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196 3 -> 17 -> 10 -> 11 -> 8 -> 15 -> 14 -> 2 -> 7 -> 16
    -> 1 -> 18 | Length = 4710,87
197 Ant 19: 19 -> 12 -> 3 -> 11 -> 10 -> 17 -> 8 -> 5
    -> 13 -> 9 -> 2 -> 7 -> 18 -> 4 -> 6 -> 14 -> 1 ->
    16 -> 15 -> 19 | Length = 4028,31
198 Best so far: 3202,92
199
200 ===== Iteration 10 =====
201 Ant 1: 1 -> 3 -> 12 -> 8 -> 15 -> 17 -> 13 -> 5 ->
    19 -> 9 -> 2 -> 14 -> 6 -> 18 -> 4 -> 11 -> 10 -> 7
    -> 16 -> 1 | Length = 4486,77
202 Ant 2: 2 -> 6 -> 14 -> 10 -> 12 -> 3 -> 1 -> 16 ->
    13 -> 5 -> 9 -> 8 -> 4 -> 18 -> 17 -> 11 -> 7 -> 19
    -> 15 -> 2 | Length = 4592,21
203 Ant 3: 3 -> 12 -> 10 -> 17 -> 4 -> 18 -> 7 -> 2 -> 6
    -> 14 -> 19 -> 13 -> 5 -> 8 -> 11 -> 9 -> 15 -> 1
    -> 16 -> 3 | Length = 3538,60
204 Ant 4: 4 -> 18 -> 7 -> 2 -> 6 -> 11 -> 17 -> 9 -> 8
    -> 12 -> 3 -> 13 -> 5 -> 10 -> 1 -> 15 -> 16 -> 14
    -> 19 -> 4 | Length = 4990,96
205 Ant 5: 5 -> 13 -> 8 -> 3 -> 12 -> 4 -> 18 -> 17 ->
    11 -> 10 -> 19 -> 9 -> 1 -> 14 -> 6 -> 2 -> 7 -> 16
    -> 15 -> 5 | Length = 4519,61
206 Ant 6: 6 -> 14 -> 5 -> 13 -> 8 -> 11 -> 10 -> 7 ->
    18 -> 4 -> 17 -> 1 -> 3 -> 12 -> 2 -> 9 -> 19 -> 15
    -> 16 -> 6 | Length = 4693,47
207 Ant 7: 7 -> 8 -> 5 -> 13 -> 9 -> 19 -> 1 -> 12 -> 6
    -> 14 -> 2 -> 4 -> 18 -> 11 -> 3 -> 10 -> 17 -> 15
    -> 16 -> 7 | Length = 4703,27
208 Ant 8: 8 -> 5 -> 9 -> 18 -> 4 -> 19 -> 7 -> 6 -> 2
    -> 12 -> 3 -> 1 -> 10 -> 13 -> 17 -> 11 -> 16 -> 15
    -> 14 -> 8 | Length = 5018,65
209 Ant 9: 9 -> 5 -> 13 -> 8 -> 12 -> 3 -> 14 -> 6 -> 7
    -> 18 -> 4 -> 10 -> 17 -> 2 -> 11 -> 15 -> 16 -> 1
    -> 19 -> 9 | Length = 4316,55
210 Ant 10: 10 -> 5 -> 13 -> 17 -> 19 -> 9 -> 18 -> 4
    -> 7 -> 1 -> 15 -> 8 -> 2 -> 6 -> 14 -> 3 -> 12 ->
    11 -> 16 -> 10 | Length = 4639,51
211 Ant 11: 11 -> 8 -> 10 -> 17 -> 18 -> 4 -> 2 -> 7 ->
    13 -> 9 -> 5 -> 3 -> 1 -> 14 -> 6 -> 19 -> 12 -> 15
    -> 16 -> 11 | Length = 4844,12

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212 Ant 12: 12 -> 3 -> 11 -> 8 -> 13 -> 5 -> 9 -> 10 ->
    17 -> 15 -> 4 -> 18 -> 1 -> 6 -> 14 -> 7 -> 2 -> 19
    -> 16 -> 12 | Length = 4594,41
213 Ant 13: 13 -> 9 -> 3 -> 12 -> 17 -> 7 -> 18 -> 4 ->
    14 -> 6 -> 2 -> 10 -> 11 -> 8 -> 5 -> 16 -> 1 -> 15
    -> 19 -> 13 | Length = 4354,83
214 Ant 14: 14 -> 2 -> 17 -> 10 -> 12 -> 3 -> 1 -> 11
    -> 5 -> 13 -> 8 -> 16 -> 6 -> 19 -> 4 -> 18 -> 7
    -> 9 -> 15 -> 14 | Length = 4681,56
215 Ant 15: 15 -> 5 -> 13 -> 11 -> 12 -> 3 -> 8 -> 9 ->
    19 -> 18 -> 4 -> 10 -> 17 -> 2 -> 14 -> 6 -> 1 -> 16
    -> 7 -> 15 | Length = 4275,05
216 Ant 16: 16 -> 1 -> 13 -> 5 -> 11 -> 10 -> 17 -> 19
    -> 9 -> 8 -> 12 -> 3 -> 2 -> 6 -> 14 -> 7 -> 18 ->
    4 -> 15 -> 16 | Length = 3999,24
217 Ant 17: 17 -> 11 -> 5 -> 13 -> 8 -> 18 -> 4 -> 2 ->
    14 -> 6 -> 19 -> 15 -> 7 -> 3 -> 12 -> 1 -> 10 -> 16
    -> 9 -> 17 | Length = 5062,19
218 Ant 18: 18 -> 4 -> 10 -> 11 -> 3 -> 12 -> 2 -> 6 ->
    17 -> 19 -> 13 -> 5 -> 8 -> 9 -> 16 -> 15 -> 1 -> 7
    -> 14 -> 18 | Length = 4611,36
219 Ant 19: 19 -> 10 -> 17 -> 12 -> 3 -> 1 -> 13 -> 5
    -> 8 -> 11 -> 9 -> 6 -> 7 -> 14 -> 2 -> 15 -> 16
    -> 18 -> 4 -> 19 | Length = 5007,99
220 Best so far: 3202,92
221
222 ===== Iteration 11 =====
223 Ant 1: 1 -> 12 -> 3 -> 11 -> 8 -> 5 -> 13 -> 9 -> 19
    -> 4 -> 18 -> 17 -> 6 -> 2 -> 14 -> 7 -> 10 -> 16
    -> 15 -> 1 | Length = 4021,24
224 Ant 2: 2 -> 10 -> 9 -> 11 -> 8 -> 5 -> 13 -> 12 -> 3
    -> 17 -> 19 -> 4 -> 18 -> 15 -> 1 -> 14 -> 6 -> 7
    -> 16 -> 2 | Length = 5280,25
225 Ant 3: 3 -> 12 -> 16 -> 13 -> 19 -> 4 -> 18 -> 9 ->
    15 -> 11 -> 8 -> 5 -> 17 -> 10 -> 6 -> 14 -> 1 -> 7
    -> 2 -> 3 | Length = 4318,59
226 Ant 4: 4 -> 18 -> 14 -> 2 -> 6 -> 3 -> 12 -> 5 -> 13
    -> 8 -> 11 -> 9 -> 15 -> 10 -> 17 -> 19 -> 7 -> 1
    -> 16 -> 4 | Length = 4297,18
227 Ant 5: 5 -> 8 -> 13 -> 4 -> 18 -> 7 -> 10 -> 12 -> 3
    -> 1 -> 14 -> 2 -> 19 -> 17 -> 6 -> 16 -> 11 -> 9

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227	-> 15 -> 5 Length = 4274,78
228	Ant 6: 6 -> 14 -> 12 -> 17 -> 3 -> 10 -> 9 -> 5 -> 8 -> 13 -> 4 -> 18 -> 19 -> 2 -> 1 -> 16 -> 7 -> 15 -> 11 -> 6 Length = 5297,78
229	Ant 7: 7 -> 18 -> 4 -> 17 -> 10 -> 2 -> 14 -> 6 -> 13 -> 5 -> 19 -> 9 -> 15 -> 8 -> 11 -> 12 -> 3 -> 1 -> 16 -> 7 Length = 3656,31
230	Ant 8: 8 -> 16 -> 10 -> 1 -> 19 -> 11 -> 15 -> 9 -> 5 -> 13 -> 12 -> 2 -> 14 -> 6 -> 17 -> 7 -> 4 -> 18 -> 3 -> 8 Length = 5019,36
231	Ant 9: 9 -> 11 -> 13 -> 5 -> 1 -> 10 -> 17 -> 2 -> 14 -> 3 -> 12 -> 6 -> 7 -> 18 -> 4 -> 16 -> 8 -> 15 -> 19 -> 9 Length = 4688,51
232	Ant 10: 10 -> 7 -> 4 -> 18 -> 19 -> 5 -> 13 -> 8 -> 14 -> 9 -> 2 -> 6 -> 12 -> 3 -> 1 -> 11 -> 17 -> 15 -> 16 -> 10 Length = 5064,16
233	Ant 11: 11 -> 7 -> 17 -> 10 -> 16 -> 19 -> 5 -> 8 -> 13 -> 12 -> 3 -> 1 -> 18 -> 4 -> 9 -> 14 -> 6 -> 2 -> 15 -> 11 Length = 5584,06
234	Ant 12: 12 -> 3 -> 1 -> 10 -> 5 -> 4 -> 18 -> 7 -> 2 -> 14 -> 6 -> 9 -> 8 -> 13 -> 11 -> 17 -> 19 -> 15 -> 16 -> 12 Length = 4141,44
235	Ant 13: 13 -> 5 -> 9 -> 19 -> 7 -> 6 -> 1 -> 3 -> 12 -> 11 -> 10 -> 15 -> 8 -> 17 -> 4 -> 18 -> 14 -> 2 -> 16 -> 13 Length = 4246,76
236	Ant 14: 14 -> 2 -> 10 -> 18 -> 4 -> 15 -> 13 -> 5 -> 8 -> 17 -> 11 -> 12 -> 3 -> 9 -> 1 -> 6 -> 7 -> 19 -> 16 -> 14 Length = 5293,41
237	Ant 15: 15 -> 10 -> 17 -> 19 -> 8 -> 5 -> 13 -> 9 -> 7 -> 18 -> 4 -> 2 -> 6 -> 14 -> 1 -> 12 -> 3 -> 11 -> 16 -> 15 Length = 3912,96
238	Ant 16: 16 -> 3 -> 12 -> 14 -> 6 -> 4 -> 18 -> 17 -> 5 -> 13 -> 7 -> 2 -> 19 -> 10 -> 11 -> 8 -> 9 -> 15 -> 1 -> 16 Length = 4139,56
239	Ant 17: 17 -> 19 -> 4 -> 18 -> 3 -> 8 -> 13 -> 5 -> 11 -> 10 -> 9 -> 15 -> 12 -> 6 -> 14 -> 1 -> 16 -> 2 -> 7 -> 17 Length = 4408,85
240	Ant 18: 18 -> 4 -> 10 -> 17 -> 11 -> 12 -> 3 -> 16 -> 1 -> 8 -> 5 -> 13 -> 9 -> 15 -> 6 -> 2 -> 7 -> 19 -> 14 -> 18 Length = 4226,38
241	Ant 19: 19 -> 10 -> 12 -> 3 -> 11 -> 9 -> 5 -> 13

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241  -> 8 -> 17 -> 7 -> 6 -> 14 -> 2 -> 4 -> 18 -> 15
      -> 16 -> 1 -> 19 | Length = 4268,34
242 Best so far: 3202,92
243
244 ===== Iteration 12 =====
245 Ant 1: 1 -> 3 -> 12 -> 17 -> 11 -> 8 -> 5 -> 13 ->
      19 -> 16 -> 15 -> 9 -> 7 -> 2 -> 6 -> 14 -> 10 -> 18
      -> 4 -> 1 | Length = 4360,43
246 Ant 2: 2 -> 6 -> 14 -> 12 -> 3 -> 10 -> 17 -> 1 ->
      16 -> 11 -> 13 -> 5 -> 4 -> 18 -> 7 -> 19 -> 8 -> 9
      -> 15 -> 2 | Length = 4160,56
247 Ant 3: 3 -> 12 -> 14 -> 2 -> 7 -> 18 -> 4 -> 17 -> 8
      -> 13 -> 5 -> 11 -> 10 -> 9 -> 15 -> 1 -> 6 -> 16
      -> 19 -> 3 | Length = 4491,77
248 Ant 4: 4 -> 18 -> 7 -> 14 -> 6 -> 2 -> 3 -> 1 -> 12
      -> 11 -> 17 -> 13 -> 5 -> 9 -> 15 -> 10 -> 8 -> 19
      -> 16 -> 4 | Length = 4225,39
249 Ant 5: 5 -> 13 -> 8 -> 11 -> 12 -> 3 -> 6 -> 2 -> 4
      -> 18 -> 19 -> 9 -> 15 -> 16 -> 1 -> 10 -> 7 -> 14
      -> 17 -> 5 | Length = 3831,81
250 Ant 6: 6 -> 14 -> 7 -> 18 -> 4 -> 10 -> 17 -> 5 ->
      13 -> 19 -> 9 -> 8 -> 11 -> 1 -> 3 -> 12 -> 15 -> 16
      -> 2 -> 6 | Length = 3851,92
251 Ant 7: 7 -> 4 -> 18 -> 14 -> 2 -> 6 -> 1 -> 12 -> 10
      -> 17 -> 11 -> 13 -> 5 -> 15 -> 9 -> 19 -> 16 -> 3
      -> 8 -> 7 | Length = 4165,45
252 Ant 8: 8 -> 13 -> 5 -> 15 -> 17 -> 12 -> 3 -> 11 ->
      4 -> 18 -> 1 -> 6 -> 2 -> 14 -> 9 -> 19 -> 10 -> 16
      -> 7 -> 8 | Length = 5294,48
253 Ant 9: 9 -> 13 -> 5 -> 8 -> 12 -> 3 -> 11 -> 10 ->
      16 -> 7 -> 17 -> 18 -> 4 -> 15 -> 19 -> 1 -> 14 -> 2
      -> 6 -> 9 | Length = 5184,90
254 Ant 10: 10 -> 11 -> 8 -> 9 -> 19 -> 17 -> 13 -> 5
      -> 4 -> 18 -> 7 -> 1 -> 3 -> 12 -> 15 -> 2 -> 6 ->
      14 -> 16 -> 10 | Length = 4551,17
255 Ant 11: 11 -> 17 -> 10 -> 7 -> 2 -> 12 -> 3 -> 6 ->
      14 -> 1 -> 16 -> 15 -> 8 -> 4 -> 18 -> 9 -> 5 -> 13
      -> 19 -> 11 | Length = 4078,05
256 Ant 12: 12 -> 3 -> 13 -> 5 -> 8 -> 2 -> 7 -> 11 ->
      10 -> 17 -> 15 -> 9 -> 19 -> 16 -> 6 -> 14 -> 18 ->
      4 -> 1 -> 12 | Length = 4786,11

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257 Ant 13: 13 -> 15 -> 8 -> 5 -> 17 -> 12 -> 1 -> 16
    -> 10 -> 19 -> 14 -> 6 -> 4 -> 18 -> 7 -> 2 -> 3
    -> 9 -> 11 -> 13 | Length = 4494,51
258 Ant 14: 14 -> 6 -> 2 -> 16 -> 8 -> 19 -> 11 -> 9 ->
    5 -> 13 -> 10 -> 12 -> 3 -> 17 -> 18 -> 4 -> 7 -> 1
    -> 15 -> 14 | Length = 5085,13
259 Ant 15: 15 -> 5 -> 13 -> 6 -> 12 -> 3 -> 17 -> 11
    -> 10 -> 1 -> 7 -> 4 -> 18 -> 9 -> 16 -> 14 -> 2
    -> 8 -> 19 -> 15 | Length = 5331,78
260 Ant 16: 16 -> 3 -> 12 -> 17 -> 9 -> 13 -> 5 -> 8 ->
    11 -> 10 -> 4 -> 18 -> 7 -> 14 -> 2 -> 1 -> 6 -> 15
    -> 19 -> 16 | Length = 4392,08
261 Ant 17: 17 -> 8 -> 13 -> 5 -> 15 -> 9 -> 10 -> 11
    -> 3 -> 6 -> 7 -> 2 -> 14 -> 18 -> 4 -> 19 -> 1 ->
    12 -> 16 -> 17 | Length = 4205,87
262 Ant 18: 18 -> 4 -> 7 -> 5 -> 9 -> 13 -> 11 -> 10 ->
    19 -> 17 -> 12 -> 3 -> 6 -> 14 -> 1 -> 16 -> 8 -> 2
    -> 15 -> 18 | Length = 4925,41
263 Ant 19: 19 -> 5 -> 13 -> 11 -> 10 -> 7 -> 6 -> 14
    -> 2 -> 1 -> 16 -> 8 -> 18 -> 4 -> 3 -> 12 -> 17
    -> 9 -> 15 -> 19 | Length = 4219,82
264 Best so far: 3202,92
265
266 ===== Iteration 13 =====
267 Ant 1: 1 -> 3 -> 12 -> 10 -> 17 -> 19 -> 4 -> 18 ->
    7 -> 9 -> 13 -> 5 -> 8 -> 11 -> 6 -> 2 -> 14 -> 15
    -> 16 -> 1 | Length = 3973,79
268 Ant 2: 2 -> 6 -> 14 -> 17 -> 15 -> 1 -> 3 -> 16 ->
    11 -> 12 -> 4 -> 18 -> 10 -> 5 -> 8 -> 9 -> 13 -> 19
    -> 7 -> 2 | Length = 4358,10
269 Ant 3: 3 -> 12 -> 10 -> 17 -> 8 -> 15 -> 9 -> 5 ->
    13 -> 2 -> 14 -> 4 -> 18 -> 7 -> 19 -> 11 -> 6 -> 1
    -> 16 -> 3 | Length = 3874,45
270 Ant 4: 4 -> 18 -> 10 -> 17 -> 8 -> 19 -> 12 -> 3 ->
    16 -> 13 -> 5 -> 9 -> 6 -> 2 -> 7 -> 11 -> 1 -> 14
    -> 15 -> 4 | Length = 5484,67
271 Ant 5: 5 -> 13 -> 8 -> 17 -> 10 -> 2 -> 14 -> 7 -> 1
    -> 6 -> 12 -> 3 -> 9 -> 19 -> 4 -> 18 -> 11 -> 15
    -> 16 -> 5 | Length = 4562,27
272 Ant 6: 6 -> 2 -> 14 -> 1 -> 17 -> 10 -> 13 -> 5 -> 7
    -> 4 -> 18 -> 19 -> 11 -> 3 -> 12 -> 9 -> 8 -> 15

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272  -> 16 -> 6 | Length = 4391,65
273 Ant 7: 7 -> 17 -> 9 -> 11 -> 12 -> 1 -> 15 -> 2 -> 6
      -> 14 -> 3 -> 10 -> 19 -> 4 -> 18 -> 16 -> 13 -> 5
      -> 8 -> 7 | Length = 5443,90
274 Ant 8: 8 -> 13 -> 5 -> 9 -> 19 -> 12 -> 3 -> 7 -> 4
      -> 18 -> 17 -> 10 -> 11 -> 2 -> 6 -> 16 -> 14 -> 1
      -> 15 -> 8 | Length = 4592,23
275 Ant 9: 9 -> 17 -> 8 -> 13 -> 11 -> 2 -> 7 -> 4 -> 18
      -> 5 -> 10 -> 12 -> 3 -> 1 -> 16 -> 6 -> 14 -> 19
      -> 15 -> 9 | Length = 4214,16
276 Ant 10: 10 -> 19 -> 5 -> 8 -> 12 -> 16 -> 7 -> 14
      -> 2 -> 6 -> 3 -> 11 -> 13 -> 9 -> 15 -> 18 -> 4
      -> 17 -> 1 -> 10 | Length = 4690,75
277 Ant 11: 11 -> 10 -> 17 -> 5 -> 8 -> 7 -> 18 -> 4 ->
      12 -> 3 -> 1 -> 15 -> 9 -> 19 -> 13 -> 6 -> 2 -> 14
      -> 16 -> 11 | Length = 4439,55
278 Ant 12: 12 -> 1 -> 5 -> 13 -> 9 -> 8 -> 10 -> 17 ->
      3 -> 16 -> 11 -> 15 -> 4 -> 18 -> 7 -> 2 -> 19 -> 6
      -> 14 -> 12 | Length = 4620,09
279 Ant 13: 13 -> 5 -> 8 -> 3 -> 12 -> 17 -> 2 -> 7 ->
      11 -> 15 -> 19 -> 18 -> 4 -> 10 -> 14 -> 6 -> 1 ->
      16 -> 9 -> 13 | Length = 4377,30
280 Ant 14: 14 -> 3 -> 12 -> 16 -> 11 -> 13 -> 5 -> 9
      -> 8 -> 17 -> 10 -> 2 -> 7 -> 6 -> 1 -> 18 -> 4 ->
      19 -> 15 -> 14 | Length = 4621,65
281 Ant 15: 15 -> 9 -> 13 -> 5 -> 17 -> 12 -> 19 -> 18
      -> 4 -> 6 -> 14 -> 1 -> 11 -> 10 -> 7 -> 2 -> 3 ->
      8 -> 16 -> 15 | Length = 4490,24
282 Ant 16: 16 -> 12 -> 3 -> 18 -> 4 -> 7 -> 14 -> 2 ->
      6 -> 11 -> 10 -> 17 -> 15 -> 5 -> 13 -> 9 -> 1 -> 19
      -> 8 -> 16 | Length = 4552,65
283 Ant 17: 17 -> 4 -> 18 -> 7 -> 15 -> 9 -> 19 -> 2 ->
      14 -> 6 -> 16 -> 12 -> 3 -> 11 -> 10 -> 8 -> 13 -> 5
      -> 1 -> 17 | Length = 4415,48
284 Ant 18: 18 -> 4 -> 11 -> 10 -> 19 -> 12 -> 3 -> 5
      -> 13 -> 8 -> 1 -> 16 -> 2 -> 9 -> 15 -> 7 -> 14
      -> 6 -> 17 -> 18 | Length = 5191,73
285 Ant 19: 19 -> 18 -> 4 -> 13 -> 5 -> 9 -> 3 -> 12 ->
      10 -> 17 -> 1 -> 8 -> 15 -> 11 -> 16 -> 6 -> 14 -> 2
      -> 7 -> 19 | Length = 4319,70
286 Best so far: 3202,92

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287
288 ===== Iteration 14 =====
289 Ant 1: 1 -> 3 -> 12 -> 2 -> 18 -> 4 -> 17 -> 10 ->
   15 -> 13 -> 5 -> 8 -> 19 -> 6 -> 14 -> 7 -> 11 -> 9
   -> 16 -> 1 | Length = 4334,64
290 Ant 2: 2 -> 19 -> 1 -> 12 -> 3 -> 11 -> 10 -> 17 ->
   5 -> 13 -> 8 -> 4 -> 18 -> 7 -> 14 -> 9 -> 15 -> 16
   -> 6 -> 2 | Length = 4562,14
291 Ant 3: 3 -> 12 -> 7 -> 18 -> 4 -> 9 -> 5 -> 13 -> 17
   -> 19 -> 11 -> 10 -> 16 -> 8 -> 15 -> 1 -> 6 -> 14
   -> 2 -> 3 | Length = 4285,46
292 Ant 4: 4 -> 18 -> 17 -> 10 -> 2 -> 3 -> 12 -> 11 ->
   5 -> 13 -> 9 -> 8 -> 19 -> 1 -> 16 -> 7 -> 6 -> 14
   -> 15 -> 4 | Length = 4988,49
293 Ant 5: 5 -> 13 -> 8 -> 11 -> 18 -> 4 -> 17 -> 10 ->
   12 -> 3 -> 6 -> 14 -> 2 -> 7 -> 19 -> 9 -> 15 -> 16
   -> 1 -> 5 | Length = 3667,74
294 Ant 6: 6 -> 12 -> 3 -> 10 -> 11 -> 8 -> 5 -> 13 ->
   19 -> 17 -> 4 -> 18 -> 7 -> 1 -> 14 -> 2 -> 16 -> 9
   -> 15 -> 6 | Length = 4462,99
295 Ant 7: 7 -> 18 -> 4 -> 8 -> 5 -> 13 -> 17 -> 15 -> 9
   -> 2 -> 3 -> 12 -> 14 -> 6 -> 19 -> 10 -> 11 -> 1
   -> 16 -> 7 | Length = 4780,09
296 Ant 8: 8 -> 5 -> 13 -> 10 -> 9 -> 17 -> 11 -> 18 ->
   4 -> 7 -> 6 -> 1 -> 16 -> 3 -> 12 -> 15 -> 19 -> 14
   -> 2 -> 8 | Length = 4624,06
297 Ant 9: 9 -> 8 -> 10 -> 17 -> 5 -> 13 -> 12 -> 1 -> 3
   -> 11 -> 4 -> 18 -> 16 -> 2 -> 14 -> 6 -> 7 -> 19
   -> 15 -> 9 | Length = 4423,19
298 Ant 10: 10 -> 7 -> 2 -> 14 -> 6 -> 3 -> 12 -> 1 ->
   16 -> 8 -> 9 -> 4 -> 18 -> 13 -> 5 -> 17 -> 11 -> 19
   -> 15 -> 10 | Length = 4128,88
299 Ant 11: 11 -> 5 -> 13 -> 15 -> 8 -> 14 -> 12 -> 10
   -> 9 -> 17 -> 19 -> 7 -> 18 -> 4 -> 2 -> 6 -> 3 ->
   1 -> 16 -> 11 | Length = 4273,12
300 Ant 12: 12 -> 11 -> 10 -> 17 -> 19 -> 7 -> 4 -> 18
   -> 3 -> 1 -> 6 -> 14 -> 9 -> 13 -> 5 -> 2 -> 8 ->
   15 -> 16 -> 12 | Length = 4657,32
301 Ant 13: 13 -> 5 -> 8 -> 18 -> 4 -> 14 -> 6 -> 2 -> 7
   -> 19 -> 9 -> 10 -> 17 -> 12 -> 3 -> 11 -> 16 -> 15
   -> 1 -> 13 | Length = 4546,14

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302 Ant 14: 14 -> 6 -> 12 -> 3 -> 1 -> 11 -> 18 -> 4 ->
    15 -> 9 -> 8 -> 19 -> 17 -> 5 -> 13 -> 10 -> 7 -> 2
    -> 16 -> 14 | Length = 4520,48
303 Ant 15: 15 -> 9 -> 13 -> 8 -> 5 -> 7 -> 2 -> 19 -> 4
    -> 18 -> 10 -> 17 -> 12 -> 3 -> 11 -> 14 -> 6 -> 1
    -> 16 -> 15 | Length = 3993,19
304 Ant 16: 16 -> 12 -> 3 -> 6 -> 2 -> 18 -> 4 -> 17 ->
    10 -> 11 -> 5 -> 13 -> 9 -> 15 -> 8 -> 19 -> 7 -> 14
    -> 1 -> 16 | Length = 3499,53
305 Ant 17: 17 -> 13 -> 8 -> 5 -> 10 -> 18 -> 4 -> 7 ->
    2 -> 14 -> 6 -> 3 -> 12 -> 1 -> 16 -> 15 -> 11 -> 9
    -> 19 -> 17 | Length = 3514,91
306 Ant 18: 18 -> 4 -> 6 -> 1 -> 3 -> 12 -> 9 -> 11 ->
    10 -> 17 -> 5 -> 13 -> 19 -> 15 -> 8 -> 7 -> 2 -> 14
    -> 16 -> 18 | Length = 4624,02
307 Ant 19: 19 -> 13 -> 5 -> 8 -> 15 -> 9 -> 12 -> 3 ->
    11 -> 17 -> 10 -> 4 -> 18 -> 7 -> 2 -> 14 -> 6 -> 1
    -> 16 -> 19 | Length = 3474,92
308 Best so far: 3202,92
309
310 ===== Iteration 15 =====
311 Ant 1: 1 -> 2 -> 7 -> 4 -> 18 -> 14 -> 6 -> 3 -> 12
    -> 13 -> 16 -> 17 -> 5 -> 8 -> 15 -> 11 -> 10 -> 9
    -> 19 -> 1 | Length = 4697,66
312 Ant 2: 2 -> 18 -> 4 -> 7 -> 6 -> 14 -> 19 -> 13 -> 5
    -> 11 -> 10 -> 9 -> 17 -> 12 -> 3 -> 16 -> 8 -> 15
    -> 1 -> 2 | Length = 4446,62
313 Ant 3: 3 -> 12 -> 4 -> 18 -> 17 -> 5 -> 13 -> 10 ->
    9 -> 8 -> 14 -> 2 -> 7 -> 6 -> 11 -> 19 -> 15 -> 1
    -> 16 -> 3 | Length = 4708,44
314 Ant 4: 4 -> 18 -> 7 -> 11 -> 13 -> 5 -> 9 -> 8 -> 12
    -> 15 -> 19 -> 10 -> 17 -> 3 -> 2 -> 6 -> 14 -> 1
    -> 16 -> 4 | Length = 4626,26
315 Ant 5: 5 -> 3 -> 12 -> 18 -> 4 -> 17 -> 13 -> 8 -> 7
    -> 2 -> 11 -> 9 -> 10 -> 14 -> 6 -> 1 -> 16 -> 19
    -> 15 -> 5 | Length = 5055,23
316 Ant 6: 6 -> 14 -> 2 -> 4 -> 18 -> 19 -> 8 -> 15 ->
    10 -> 17 -> 11 -> 5 -> 13 -> 9 -> 3 -> 12 -> 1 -> 7
    -> 16 -> 6 | Length = 4384,64
317 Ant 7: 7 -> 4 -> 18 -> 17 -> 10 -> 9 -> 13 -> 5 ->
    11 -> 3 -> 12 -> 1 -> 8 -> 2 -> 14 -> 6 -> 16 -> 19

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317  -> 15 -> 7 | Length = 4791,25
318 Ant 8: 8 -> 17 -> 15 -> 7 -> 18 -> 4 -> 10 -> 9 ->
    13 -> 19 -> 1 -> 16 -> 11 -> 5 -> 3 -> 12 -> 6 -> 14
    -> 2 -> 8 | Length = 4890,40
319 Ant 9: 9 -> 8 -> 5 -> 13 -> 17 -> 10 -> 11 -> 2 -> 6
    -> 14 -> 4 -> 18 -> 19 -> 1 -> 12 -> 3 -> 15 -> 16
    -> 7 -> 9 | Length = 4734,38
320 Ant 10: 10 -> 18 -> 4 -> 6 -> 7 -> 2 -> 14 -> 5 ->
    19 -> 8 -> 9 -> 11 -> 1 -> 3 -> 12 -> 13 -> 17 -> 15
    -> 16 -> 10 | Length = 4832,15
321 Ant 11: 11 -> 12 -> 3 -> 4 -> 18 -> 16 -> 1 -> 13
    -> 5 -> 19 -> 10 -> 17 -> 9 -> 6 -> 2 -> 14 -> 8
    -> 7 -> 15 -> 11 | Length = 5713,81
322 Ant 12: 12 -> 3 -> 11 -> 8 -> 2 -> 14 -> 6 -> 13 ->
    5 -> 9 -> 15 -> 18 -> 4 -> 7 -> 17 -> 1 -> 19 -> 10
    -> 16 -> 12 | Length = 4868,98
323 Ant 13: 13 -> 5 -> 8 -> 4 -> 18 -> 17 -> 11 -> 10
    -> 6 -> 19 -> 9 -> 15 -> 2 -> 14 -> 7 -> 3 -> 12
    -> 1 -> 16 -> 13 | Length = 4551,91
324 Ant 14: 14 -> 6 -> 18 -> 4 -> 7 -> 10 -> 17 -> 11
    -> 3 -> 12 -> 1 -> 19 -> 9 -> 5 -> 13 -> 15 -> 8
    -> 16 -> 2 -> 14 | Length = 4046,73
325 Ant 15: 15 -> 9 -> 17 -> 13 -> 7 -> 12 -> 3 -> 1 ->
    16 -> 14 -> 5 -> 8 -> 11 -> 10 -> 6 -> 2 -> 19 -> 18
    -> 4 -> 15 | Length = 4910,79
326 Ant 16: 16 -> 6 -> 12 -> 3 -> 17 -> 10 -> 5 -> 13
    -> 19 -> 1 -> 18 -> 4 -> 7 -> 14 -> 2 -> 15 -> 11
    -> 8 -> 9 -> 16 | Length = 4894,41
327 Ant 17: 17 -> 8 -> 13 -> 6 -> 12 -> 3 -> 1 -> 15 ->
    5 -> 11 -> 10 -> 2 -> 7 -> 19 -> 4 -> 18 -> 9 -> 16
    -> 14 -> 17 | Length = 5275,78
328 Ant 18: 18 -> 4 -> 5 -> 17 -> 7 -> 2 -> 3 -> 16 ->
    12 -> 8 -> 11 -> 10 -> 9 -> 19 -> 13 -> 15 -> 6 ->
    14 -> 1 -> 18 | Length = 4979,76
329 Ant 19: 19 -> 18 -> 4 -> 7 -> 2 -> 3 -> 12 -> 1 -> 6
    -> 8 -> 5 -> 13 -> 16 -> 11 -> 10 -> 17 -> 14 -> 9
    -> 15 -> 19 | Length = 4532,32
330 Best so far: 3202,92
331
332 ===== Iteration 16 =====
333 Ant 1: 1 -> 6 -> 4 -> 18 -> 13 -> 5 -> 9 -> 8 -> 10

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333	-> 17 -> 11 -> 3 -> 12 -> 2 -> 14 -> 19 -> 7 -> 15 -> 16 -> 1 Length = 4529,74
334 Ant 2:	2 -> 14 -> 3 -> 5 -> 13 -> 9 -> 19 -> 18 -> 4 -> 17 -> 8 -> 11 -> 6 -> 10 -> 15 -> 12 -> 1 -> 7 -> 16 -> 2 Length = 5340,67
335 Ant 3:	3 -> 12 -> 1 -> 9 -> 15 -> 8 -> 5 -> 13 -> 10 -> 11 -> 14 -> 7 -> 2 -> 6 -> 16 -> 17 -> 4 -> 18 -> 19 -> 3 Length = 4367,92
336 Ant 4:	4 -> 18 -> 7 -> 2 -> 14 -> 11 -> 5 -> 13 -> 9 -> 15 -> 8 -> 10 -> 1 -> 12 -> 3 -> 6 -> 17 -> 19 -> 16 -> 4 Length = 4355,55
337 Ant 5:	5 -> 8 -> 9 -> 13 -> 19 -> 15 -> 4 -> 18 -> 7 -> 2 -> 14 -> 6 -> 1 -> 11 -> 10 -> 17 -> 16 -> 12 -> 3 -> 5 Length = 3942,19
338 Ant 6:	6 -> 17 -> 10 -> 4 -> 18 -> 1 -> 5 -> 13 -> 19 -> 12 -> 2 -> 7 -> 11 -> 9 -> 8 -> 15 -> 3 -> 14 -> 16 -> 6 Length = 5601,84
339 Ant 7:	7 -> 2 -> 18 -> 4 -> 16 -> 12 -> 9 -> 3 -> 1 -> 6 -> 14 -> 10 -> 5 -> 13 -> 17 -> 11 -> 8 -> 15 -> 19 -> 7 Length = 4734,47
340 Ant 8:	8 -> 10 -> 12 -> 1 -> 11 -> 5 -> 13 -> 19 -> 18 -> 4 -> 7 -> 3 -> 16 -> 9 -> 15 -> 17 -> 14 -> 2 -> 6 -> 8 Length = 4495,91
341 Ant 9:	9 -> 13 -> 5 -> 8 -> 10 -> 17 -> 12 -> 3 -> 18 -> 4 -> 7 -> 11 -> 19 -> 6 -> 14 -> 2 -> 1 -> 15 -> 16 -> 9 Length = 4751,82
342 Ant 10:	10 -> 7 -> 3 -> 8 -> 5 -> 13 -> 11 -> 17 -> 12 -> 1 -> 15 -> 6 -> 9 -> 19 -> 2 -> 16 -> 14 -> 4 -> 18 -> 10 Length = 6137,01
343 Ant 11:	11 -> 10 -> 14 -> 2 -> 18 -> 4 -> 17 -> 12 -> 3 -> 1 -> 16 -> 13 -> 5 -> 9 -> 15 -> 8 -> 7 -> 6 -> 19 -> 11 Length = 4287,50
344 Ant 12:	12 -> 3 -> 10 -> 17 -> 5 -> 13 -> 19 -> 4 -> 18 -> 6 -> 14 -> 11 -> 8 -> 9 -> 15 -> 1 -> 16 -> 7 -> 2 -> 12 Length = 4127,45
345 Ant 13:	13 -> 5 -> 8 -> 11 -> 17 -> 10 -> 3 -> 12 -> 6 -> 14 -> 18 -> 4 -> 7 -> 2 -> 15 -> 9 -> 19 -> 16 -> 1 -> 13 Length = 4141,16
346 Ant 14:	14 -> 6 -> 2 -> 12 -> 7 -> 11 -> 9 -> 8 -> 13 -> 5 -> 15 -> 1 -> 3 -> 17 -> 10 -> 19 -> 4 -> 18 -> 16 -> 14 Length = 4858,73

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347 Ant 15: 15 -> 9 -> 5 -> 13 -> 3 -> 12 -> 10 -> 17
    -> 18 -> 4 -> 7 -> 2 -> 6 -> 1 -> 11 -> 14 -> 19
    -> 8 -> 16 -> 15 | Length = 4287,88
348 Ant 16: 16 -> 3 -> 1 -> 12 -> 8 -> 5 -> 13 -> 9 ->
    14 -> 6 -> 2 -> 7 -> 4 -> 18 -> 10 -> 17 -> 19 -> 15
    -> 11 -> 16 | Length = 3906,96
349 Ant 17: 17 -> 18 -> 4 -> 19 -> 13 -> 5 -> 9 -> 1 ->
    8 -> 10 -> 14 -> 7 -> 2 -> 6 -> 15 -> 11 -> 3 -> 12
    -> 16 -> 17 | Length = 4861,70
350 Ant 18: 18 -> 4 -> 9 -> 13 -> 8 -> 16 -> 10 -> 15
    -> 19 -> 5 -> 17 -> 12 -> 3 -> 1 -> 14 -> 6 -> 7
    -> 11 -> 2 -> 18 | Length = 4764,08
351 Ant 19: 19 -> 9 -> 11 -> 10 -> 2 -> 7 -> 4 -> 18 ->
    3 -> 12 -> 13 -> 5 -> 8 -> 15 -> 14 -> 6 -> 1 -> 16
    -> 17 -> 19 | Length = 4315,47
352 Best so far: 3202,92
353
354 ===== Iteration 17 =====
355 Ant 1: 1 -> 7 -> 9 -> 16 -> 8 -> 13 -> 10 -> 11 -> 2
    -> 6 -> 17 -> 4 -> 18 -> 12 -> 3 -> 19 -> 5 -> 14
    -> 15 -> 1 | Length = 6363,19
356 Ant 2: 2 -> 4 -> 18 -> 7 -> 14 -> 6 -> 1 -> 16 -> 9
    -> 19 -> 8 -> 13 -> 5 -> 11 -> 3 -> 12 -> 10 -> 17
    -> 15 -> 2 | Length = 4115,32
357 Ant 3: 3 -> 19 -> 4 -> 18 -> 2 -> 6 -> 14 -> 11 ->
    15 -> 7 -> 17 -> 10 -> 13 -> 5 -> 8 -> 9 -> 12 -> 1
    -> 16 -> 3 | Length = 4548,76
358 Ant 4: 4 -> 18 -> 11 -> 10 -> 13 -> 5 -> 15 -> 9 ->
    8 -> 17 -> 2 -> 6 -> 19 -> 14 -> 12 -> 3 -> 7 -> 16
    -> 1 -> 4 | Length = 5046,35
359 Ant 5: 5 -> 13 -> 9 -> 8 -> 11 -> 10 -> 17 -> 7 ->
    18 -> 4 -> 12 -> 3 -> 2 -> 6 -> 14 -> 1 -> 19 -> 15
    -> 16 -> 5 | Length = 4288,20
360 Ant 6: 6 -> 1 -> 17 -> 10 -> 4 -> 18 -> 7 -> 14 -> 2
    -> 13 -> 5 -> 8 -> 9 -> 3 -> 12 -> 11 -> 19 -> 15
    -> 16 -> 6 | Length = 4535,37
361 Ant 7: 7 -> 4 -> 18 -> 2 -> 14 -> 6 -> 3 -> 12 -> 13
    -> 5 -> 8 -> 19 -> 9 -> 17 -> 10 -> 11 -> 16 -> 1
    -> 15 -> 7 | Length = 4156,31
362 Ant 8: 8 -> 10 -> 19 -> 7 -> 9 -> 15 -> 17 -> 16 ->
    12 -> 3 -> 6 -> 14 -> 2 -> 4 -> 18 -> 5 -> 13 -> 1

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362  -> 11 -> 8 | Length = 4763,66
363 Ant 9: 9 -> 11 -> 3 -> 8 -> 5 -> 13 -> 10 -> 2 -> 4
      -> 18 -> 14 -> 6 -> 1 -> 12 -> 7 -> 19 -> 17 -> 15
      -> 16 -> 9 | Length = 4797,33
364 Ant 10: 10 -> 3 -> 12 -> 1 -> 17 -> 11 -> 9 -> 5 ->
      8 -> 13 -> 19 -> 4 -> 18 -> 7 -> 14 -> 2 -> 6 -> 16
      -> 15 -> 10 | Length = 3930,73
365 Ant 11: 11 -> 8 -> 3 -> 12 -> 2 -> 18 -> 4 -> 16 ->
      13 -> 9 -> 19 -> 17 -> 10 -> 5 -> 15 -> 1 -> 14 -> 6
      -> 7 -> 11 | Length = 4926,81
366 Ant 12: 12 -> 3 -> 1 -> 18 -> 4 -> 7 -> 2 -> 6 -> 14
      -> 11 -> 10 -> 5 -> 13 -> 9 -> 19 -> 17 -> 8 -> 15
      -> 16 -> 12 | Length = 3720,61
367 Ant 13: 13 -> 5 -> 11 -> 10 -> 16 -> 12 -> 3 -> 1
      -> 14 -> 2 -> 4 -> 18 -> 19 -> 8 -> 9 -> 17 -> 7
      -> 6 -> 15 -> 13 | Length = 4340,05
368 Ant 14: 14 -> 2 -> 6 -> 7 -> 4 -> 18 -> 8 -> 9 -> 5
      -> 11 -> 10 -> 17 -> 12 -> 3 -> 1 -> 13 -> 19 -> 15
      -> 16 -> 14 | Length = 4234,73
369 Ant 15: 15 -> 5 -> 13 -> 8 -> 11 -> 17 -> 4 -> 18
      -> 2 -> 6 -> 14 -> 10 -> 12 -> 3 -> 16 -> 1 -> 9
      -> 19 -> 7 -> 15 | Length = 4299,49
370 Ant 16: 16 -> 1 -> 6 -> 7 -> 18 -> 4 -> 8 -> 5 -> 13
      -> 9 -> 10 -> 17 -> 11 -> 19 -> 15 -> 12 -> 3 -> 2
      -> 14 -> 16 | Length = 4314,10
371 Ant 17: 17 -> 10 -> 6 -> 3 -> 12 -> 16 -> 15 -> 19
      -> 4 -> 18 -> 7 -> 8 -> 13 -> 5 -> 9 -> 1 -> 11 ->
      2 -> 14 -> 17 | Length = 4726,84
372 Ant 18: 18 -> 4 -> 13 -> 8 -> 10 -> 5 -> 9 -> 15 ->
      3 -> 12 -> 1 -> 16 -> 11 -> 17 -> 14 -> 6 -> 19 -> 7
      -> 2 -> 18 | Length = 4288,65
373 Ant 19: 19 -> 1 -> 12 -> 3 -> 11 -> 10 -> 5 -> 13
      -> 8 -> 2 -> 7 -> 4 -> 18 -> 14 -> 6 -> 9 -> 17 ->
      15 -> 16 -> 19 | Length = 5006,23
374 Best so far: 3202,92
375
376 ===== Iteration 18 =====
377 Ant 1: 1 -> 16 -> 3 -> 12 -> 6 -> 14 -> 2 -> 7 -> 4
      -> 18 -> 17 -> 11 -> 9 -> 13 -> 5 -> 15 -> 8 -> 10
      -> 19 -> 1 | Length = 3578,99
378 Ant 2: 2 -> 14 -> 7 -> 18 -> 4 -> 17 -> 11 -> 8 -> 5

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378	-> 13 -> 9 -> 3 -> 12 -> 1 -> 16 -> 15 -> 19 -> 6 -> 10 -> 2 Length = 4089,64
379	Ant 3: 3 -> 6 -> 18 -> 4 -> 19 -> 13 -> 5 -> 8 -> 17 -> 11 -> 10 -> 12 -> 1 -> 14 -> 2 -> 9 -> 15 -> 16 -> 7 -> 3 Length = 4609,09
380	Ant 4: 4 -> 18 -> 7 -> 14 -> 6 -> 17 -> 10 -> 11 -> 3 -> 12 -> 13 -> 5 -> 8 -> 15 -> 9 -> 19 -> 16 -> 2 -> 1 -> 4 Length = 4378,37
381	Ant 5: 5 -> 13 -> 9 -> 8 -> 14 -> 2 -> 7 -> 11 -> 4 -> 18 -> 12 -> 3 -> 6 -> 10 -> 17 -> 19 -> 1 -> 16 -> 15 -> 5 Length = 4617,73
382	Ant 6: 6 -> 2 -> 13 -> 5 -> 8 -> 9 -> 7 -> 18 -> 4 -> 17 -> 10 -> 3 -> 12 -> 1 -> 15 -> 14 -> 16 -> 11 -> 19 -> 6 Length = 5320,21
383	Ant 7: 7 -> 18 -> 4 -> 12 -> 3 -> 8 -> 5 -> 13 -> 17 -> 11 -> 10 -> 2 -> 6 -> 14 -> 19 -> 9 -> 15 -> 1 -> 16 -> 7 Length = 4334,18
384	Ant 8: 8 -> 5 -> 13 -> 3 -> 16 -> 2 -> 17 -> 11 -> 19 -> 4 -> 18 -> 7 -> 6 -> 14 -> 1 -> 12 -> 10 -> 9 -> 15 -> 8 Length = 4198,79
385	Ant 9: 9 -> 5 -> 13 -> 8 -> 17 -> 19 -> 3 -> 12 -> 10 -> 11 -> 7 -> 14 -> 6 -> 1 -> 16 -> 15 -> 2 -> 4 -> 18 -> 9 Length = 4453,16
386	Ant 10: 10 -> 13 -> 5 -> 8 -> 3 -> 12 -> 14 -> 6 -> 17 -> 9 -> 11 -> 7 -> 4 -> 18 -> 16 -> 1 -> 2 -> 19 -> 15 -> 10 Length = 5003,94
387	Ant 11: 11 -> 3 -> 10 -> 12 -> 8 -> 15 -> 13 -> 5 -> 2 -> 19 -> 4 -> 18 -> 7 -> 9 -> 17 -> 16 -> 1 -> 6 -> 14 -> 11 Length = 4859,14
388	Ant 12: 12 -> 1 -> 3 -> 6 -> 2 -> 17 -> 13 -> 5 -> 10 -> 11 -> 8 -> 9 -> 19 -> 18 -> 4 -> 7 -> 15 -> 16 -> 14 -> 12 Length = 4405,41
389	Ant 13: 13 -> 5 -> 8 -> 15 -> 9 -> 3 -> 12 -> 1 -> 16 -> 11 -> 10 -> 17 -> 7 -> 2 -> 4 -> 18 -> 14 -> 6 -> 19 -> 13 Length = 3709,61
390	Ant 14: 14 -> 13 -> 5 -> 17 -> 10 -> 7 -> 6 -> 2 -> 18 -> 4 -> 8 -> 11 -> 3 -> 12 -> 1 -> 9 -> 15 -> 19 -> 16 -> 14 Length = 5059,98
391	Ant 15: 15 -> 13 -> 5 -> 19 -> 12 -> 1 -> 11 -> 3 -> 6 -> 14 -> 2 -> 7 -> 10 -> 17 -> 8 -> 9 -> 18 -> 4 -> 16 -> 15 Length = 4434,80

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392 Ant 16: 16 -> 3 -> 11 -> 8 -> 5 -> 13 -> 1 -> 18 ->
    4 -> 2 -> 14 -> 6 -> 17 -> 7 -> 12 -> 15 -> 9 -> 19
    -> 10 -> 16 | Length = 4733,96
393 Ant 17: 17 -> 11 -> 5 -> 9 -> 15 -> 8 -> 13 -> 19
    -> 4 -> 18 -> 7 -> 2 -> 14 -> 6 -> 12 -> 10 -> 3
    -> 16 -> 1 -> 17 | Length = 3320,89
394 Ant 18: 18 -> 4 -> 7 -> 1 -> 12 -> 3 -> 11 -> 17 ->
    13 -> 5 -> 9 -> 8 -> 19 -> 2 -> 14 -> 16 -> 6 -> 10
    -> 15 -> 18 | Length = 4792,81
395 Ant 19: 19 -> 9 -> 8 -> 16 -> 2 -> 1 -> 7 -> 14 -> 6
    -> 4 -> 18 -> 5 -> 17 -> 13 -> 11 -> 12 -> 3 -> 10
    -> 15 -> 19 | Length = 4895,82
396 Best so far: 3202,92
397
398 ===== Iteration 19 =====
399 Ant 1: 1 -> 12 -> 6 -> 3 -> 17 -> 10 -> 18 -> 4 -> 2
    -> 7 -> 19 -> 8 -> 11 -> 5 -> 9 -> 15 -> 13 -> 14
    -> 16 -> 1 | Length = 4466,26
400 Ant 2: 2 -> 14 -> 18 -> 4 -> 8 -> 11 -> 3 -> 12 -> 5
    -> 10 -> 17 -> 13 -> 9 -> 1 -> 6 -> 16 -> 19 -> 15
    -> 7 -> 2 | Length = 5247,66
401 Ant 3: 3 -> 12 -> 11 -> 8 -> 13 -> 5 -> 9 -> 15 ->
    18 -> 4 -> 7 -> 2 -> 16 -> 1 -> 10 -> 17 -> 6 -> 14
    -> 19 -> 3 | Length = 4275,63
402 Ant 4: 4 -> 18 -> 19 -> 8 -> 10 -> 17 -> 12 -> 3 ->
    2 -> 11 -> 5 -> 13 -> 1 -> 16 -> 6 -> 14 -> 7 -> 9
    -> 15 -> 4 | Length = 4741,51
403 Ant 5: 5 -> 13 -> 19 -> 18 -> 4 -> 3 -> 12 -> 17 ->
    11 -> 10 -> 6 -> 8 -> 9 -> 15 -> 1 -> 14 -> 2 -> 7
    -> 16 -> 5 | Length = 4809,79
404 Ant 6: 6 -> 2 -> 14 -> 4 -> 18 -> 3 -> 12 -> 11 ->
    15 -> 5 -> 13 -> 8 -> 9 -> 17 -> 10 -> 16 -> 1 -> 7
    -> 19 -> 6 | Length = 4367,51
405 Ant 7: 7 -> 2 -> 14 -> 6 -> 12 -> 3 -> 10 -> 17 ->
    11 -> 1 -> 8 -> 5 -> 13 -> 9 -> 19 -> 4 -> 18 -> 15
    -> 16 -> 7 | Length = 4174,78
406 Ant 8: 8 -> 13 -> 5 -> 17 -> 10 -> 11 -> 3 -> 12 ->
    14 -> 6 -> 4 -> 18 -> 7 -> 2 -> 9 -> 19 -> 15 -> 16
    -> 1 -> 8 | Length = 4094,79
407 Ant 9: 9 -> 5 -> 13 -> 10 -> 17 -> 8 -> 15 -> 1 ->
    12 -> 3 -> 11 -> 14 -> 2 -> 6 -> 4 -> 18 -> 7 -> 19

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407  -> 16 -> 9 | Length = 4559,54
408 Ant 10: 10 -> 2 -> 14 -> 6 -> 19 -> 17 -> 3 -> 12
      -> 11 -> 5 -> 8 -> 13 -> 9 -> 15 -> 16 -> 1 -> 7
      -> 18 -> 4 -> 10 | Length = 3912,95
409 Ant 11: 11 -> 3 -> 1 -> 16 -> 8 -> 5 -> 13 -> 10 ->
      6 -> 14 -> 12 -> 15 -> 9 -> 4 -> 18 -> 7 -> 2 -> 17
      -> 19 -> 11 | Length = 4196,31
410 Ant 12: 12 -> 4 -> 18 -> 9 -> 5 -> 13 -> 11 -> 1 ->
      3 -> 2 -> 14 -> 6 -> 19 -> 17 -> 10 -> 15 -> 8 -> 7
      -> 16 -> 12 | Length = 4920,92
411 Ant 13: 13 -> 5 -> 9 -> 11 -> 8 -> 1 -> 17 -> 3 ->
      12 -> 16 -> 4 -> 18 -> 10 -> 2 -> 14 -> 6 -> 7 -> 19
      -> 15 -> 13 | Length = 4695,03
412 Ant 14: 14 -> 2 -> 11 -> 10 -> 12 -> 3 -> 4 -> 18
      -> 7 -> 5 -> 13 -> 9 -> 1 -> 17 -> 19 -> 15 -> 8
      -> 16 -> 6 -> 14 | Length = 4671,86
413 Ant 15: 15 -> 10 -> 3 -> 12 -> 7 -> 4 -> 18 -> 19
      -> 17 -> 13 -> 5 -> 8 -> 9 -> 1 -> 16 -> 11 -> 2
      -> 6 -> 14 -> 15 | Length = 4479,28
414 Ant 16: 16 -> 8 -> 5 -> 13 -> 19 -> 10 -> 17 -> 9
      -> 15 -> 12 -> 3 -> 7 -> 2 -> 6 -> 14 -> 1 -> 4 ->
      18 -> 11 -> 16 | Length = 4337,52
415 Ant 17: 17 -> 12 -> 3 -> 9 -> 5 -> 8 -> 10 -> 6 ->
      19 -> 4 -> 18 -> 7 -> 2 -> 14 -> 1 -> 16 -> 11 -> 15
      -> 13 -> 17 | Length = 4228,37
416 Ant 18: 18 -> 4 -> 11 -> 10 -> 17 -> 19 -> 5 -> 13
      -> 15 -> 8 -> 1 -> 12 -> 6 -> 7 -> 14 -> 2 -> 3 ->
      9 -> 16 -> 18 | Length = 4781,64
417 Ant 19: 19 -> 12 -> 3 -> 2 -> 4 -> 18 -> 7 -> 14 ->
      6 -> 17 -> 5 -> 8 -> 15 -> 13 -> 11 -> 10 -> 9 -> 16
      -> 1 -> 19 | Length = 4494,16
418 Best so far: 3202,92
419
420 ===== Iteration 20 =====
421 Ant 1: 1 -> 3 -> 14 -> 18 -> 4 -> 11 -> 10 -> 12 ->
      17 -> 2 -> 15 -> 13 -> 5 -> 9 -> 8 -> 19 -> 7 -> 6
      -> 16 -> 1 | Length = 4797,49
422 Ant 2: 2 -> 14 -> 7 -> 18 -> 4 -> 11 -> 10 -> 19 ->
      1 -> 6 -> 5 -> 13 -> 9 -> 8 -> 17 -> 3 -> 12 -> 16
      -> 15 -> 2 | Length = 4793,57
423 Ant 3: 3 -> 12 -> 11 -> 8 -> 13 -> 5 -> 9 -> 2 -> 10

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423	-> 17 -> 15 -> 18 -> 4 -> 7 -> 14 -> 6 -> 1 -> 19 -> 16 -> 3 Length = 4753,46
424	Ant 4: 4 -> 18 -> 13 -> 5 -> 9 -> 15 -> 16 -> 12 -> 3 -> 8 -> 17 -> 10 -> 11 -> 19 -> 7 -> 14 -> 1 -> 6 -> 2 -> 4 Length = 4073,93
425	Ant 5: 5 -> 8 -> 17 -> 10 -> 11 -> 12 -> 3 -> 16 -> 1 -> 2 -> 7 -> 18 -> 4 -> 6 -> 14 -> 13 -> 19 -> 9 -> 15 -> 5 Length = 3690,22
426	Ant 6: 6 -> 7 -> 4 -> 18 -> 10 -> 17 -> 2 -> 12 -> 3 -> 11 -> 5 -> 13 -> 9 -> 19 -> 8 -> 15 -> 1 -> 16 -> 14 -> 6 Length = 4068,07
427	Ant 7: 7 -> 2 -> 12 -> 17 -> 9 -> 18 -> 4 -> 5 -> 13 -> 11 -> 16 -> 8 -> 19 -> 10 -> 6 -> 14 -> 1 -> 3 -> 15 -> 7 Length = 5244,36
428	Ant 8: 8 -> 18 -> 4 -> 19 -> 5 -> 13 -> 9 -> 12 -> 10 -> 14 -> 2 -> 6 -> 3 -> 1 -> 15 -> 16 -> 11 -> 7 -> 17 -> 8 Length = 4831,51
429	Ant 9: 9 -> 13 -> 5 -> 10 -> 3 -> 12 -> 11 -> 2 -> 14 -> 1 -> 16 -> 15 -> 8 -> 6 -> 4 -> 18 -> 7 -> 19 -> 17 -> 9 Length = 4274,44
430	Ant 10: 10 -> 5 -> 13 -> 9 -> 8 -> 18 -> 4 -> 19 -> 15 -> 7 -> 3 -> 17 -> 14 -> 6 -> 2 -> 11 -> 12 -> 16 -> 1 -> 10 Length = 4843,26
431	Ant 11: 11 -> 5 -> 13 -> 17 -> 2 -> 18 -> 4 -> 3 -> 12 -> 6 -> 14 -> 7 -> 19 -> 10 -> 16 -> 1 -> 9 -> 8 -> 15 -> 11 Length = 4409,58
432	Ant 12: 12 -> 3 -> 11 -> 17 -> 13 -> 5 -> 8 -> 9 -> 6 -> 14 -> 2 -> 7 -> 18 -> 4 -> 19 -> 10 -> 16 -> 15 -> 1 -> 12 Length = 4059,30
433	Ant 13: 13 -> 5 -> 8 -> 11 -> 19 -> 4 -> 18 -> 15 -> 9 -> 14 -> 6 -> 12 -> 1 -> 3 -> 17 -> 10 -> 16 -> 2 -> 7 -> 13 Length = 4735,09
434	Ant 14: 14 -> 2 -> 7 -> 4 -> 18 -> 19 -> 5 -> 13 -> 9 -> 10 -> 17 -> 6 -> 3 -> 12 -> 1 -> 16 -> 11 -> 8 -> 15 -> 14 Length = 3811,43
435	Ant 15: 15 -> 9 -> 5 -> 13 -> 16 -> 2 -> 17 -> 11 -> 3 -> 12 -> 6 -> 14 -> 7 -> 10 -> 8 -> 18 -> 4 -> 19 -> 1 -> 15 Length = 4914,52
436	Ant 16: 16 -> 1 -> 3 -> 12 -> 17 -> 8 -> 7 -> 18 -> 4 -> 6 -> 14 -> 19 -> 9 -> 13 -> 5 -> 2 -> 10 -> 11 -> 15 -> 16 Length = 4472,84

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437 Ant 17: 17 -> 18 -> 4 -> 12 -> 3 -> 7 -> 6 -> 1 -> 8
    -> 9 -> 13 -> 19 -> 2 -> 14 -> 11 -> 5 -> 15 -> 10
    -> 16 -> 17 | Length = 5066,03
438 Ant 18: 18 -> 4 -> 7 -> 8 -> 13 -> 5 -> 10 -> 17 ->
    3 -> 12 -> 11 -> 9 -> 15 -> 6 -> 14 -> 2 -> 1 -> 16
    -> 19 -> 18 | Length = 4329,24
439 Ant 19: 19 -> 6 -> 12 -> 3 -> 11 -> 10 -> 17 -> 13
    -> 8 -> 5 -> 9 -> 15 -> 7 -> 2 -> 18 -> 4 -> 14 ->
    1 -> 16 -> 19 | Length = 4419,98
440 Best so far: 3202,92
441
442 ===== Iteration 21 =====
443 Ant 1: 1 -> 14 -> 5 -> 13 -> 11 -> 10 -> 19 -> 16
    -> 3 -> 12 -> 6 -> 2 -> 15 -> 17 -> 8 -> 9 -> 18
    -> 4 -> 7 -> 1 | Length = 5274,71
444 Ant 2: 2 -> 4 -> 18 -> 19 -> 17 -> 12 -> 16 -> 8 ->
    9 -> 13 -> 5 -> 7 -> 3 -> 1 -> 6 -> 14 -> 10 -> 11
    -> 15 -> 2 | Length = 4693,14
445 Ant 3: 3 -> 12 -> 17 -> 10 -> 14 -> 6 -> 16 -> 11
    -> 15 -> 19 -> 18 -> 4 -> 7 -> 8 -> 13 -> 5 -> 9
    -> 2 -> 1 -> 3 | Length = 4546,10
446 Ant 4: 4 -> 18 -> 13 -> 5 -> 8 -> 15 -> 19 -> 9 ->
    11 -> 10 -> 17 -> 3 -> 2 -> 14 -> 6 -> 1 -> 16 -> 12
    -> 7 -> 4 | Length = 3822,68
447 Ant 5: 5 -> 8 -> 10 -> 11 -> 1 -> 3 -> 12 -> 17 -> 4
    -> 18 -> 7 -> 2 -> 14 -> 15 -> 16 -> 6 -> 13 -> 9
    -> 19 -> 5 | Length = 4487,48
448 Ant 6: 6 -> 14 -> 12 -> 16 -> 9 -> 13 -> 5 -> 15 ->
    10 -> 17 -> 1 -> 3 -> 18 -> 4 -> 7 -> 2 -> 8 -> 11
    -> 19 -> 6 | Length = 4817,87
449 Ant 7: 7 -> 18 -> 4 -> 19 -> 10 -> 8 -> 9 -> 1 -> 14
    -> 6 -> 3 -> 12 -> 11 -> 5 -> 13 -> 15 -> 17 -> 2
    -> 16 -> 7 | Length = 4836,30
450 Ant 8: 8 -> 13 -> 11 -> 3 -> 12 -> 5 -> 9 -> 15 -> 6
    -> 2 -> 17 -> 18 -> 4 -> 10 -> 1 -> 14 -> 7 -> 19
    -> 16 -> 8 | Length = 5038,58
451 Ant 9: 9 -> 5 -> 13 -> 19 -> 8 -> 15 -> 16 -> 6 ->
    14 -> 2 -> 4 -> 18 -> 7 -> 10 -> 3 -> 12 -> 1 -> 17
    -> 11 -> 9 | Length = 3925,10
452 Ant 10: 10 -> 11 -> 19 -> 5 -> 13 -> 8 -> 15 -> 3
    -> 12 -> 6 -> 18 -> 4 -> 17 -> 16 -> 1 -> 14 -> 2

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452  -> 7 -> 9 -> 10 | Length = 4436,62
453 Ant 11: 11 -> 13 -> 12 -> 17 -> 18 -> 4 -> 7 -> 14
    -> 2 -> 6 -> 1 -> 3 -> 16 -> 15 -> 5 -> 8 -> 9 ->
    10 -> 19 -> 11 | Length = 4132,80
454 Ant 12: 12 -> 3 -> 8 -> 13 -> 17 -> 19 -> 9 -> 15
    -> 5 -> 10 -> 11 -> 16 -> 6 -> 14 -> 2 -> 7 -> 4
    -> 18 -> 1 -> 12 | Length = 3778,87
455 Ant 13: 13 -> 5 -> 17 -> 4 -> 18 -> 19 -> 12 -> 3
    -> 15 -> 9 -> 2 -> 6 -> 10 -> 14 -> 1 -> 16 -> 8
    -> 11 -> 7 -> 13 | Length = 5070,33
456 Ant 14: 14 -> 2 -> 3 -> 12 -> 10 -> 6 -> 11 -> 8 ->
    5 -> 13 -> 9 -> 4 -> 18 -> 7 -> 17 -> 1 -> 15 -> 16
    -> 19 -> 14 | Length = 5141,70
457 Ant 15: 15 -> 17 -> 11 -> 13 -> 5 -> 7 -> 6 -> 12
    -> 3 -> 1 -> 10 -> 8 -> 2 -> 14 -> 19 -> 4 -> 18
    -> 9 -> 16 -> 15 | Length = 5175,83
458 Ant 16: 16 -> 1 -> 8 -> 5 -> 13 -> 9 -> 18 -> 4 ->
    17 -> 10 -> 19 -> 12 -> 3 -> 14 -> 2 -> 7 -> 6 -> 11
    -> 15 -> 16 | Length = 4353,16
459 Ant 17: 17 -> 5 -> 9 -> 4 -> 18 -> 7 -> 13 -> 12 ->
    3 -> 6 -> 10 -> 11 -> 8 -> 19 -> 15 -> 16 -> 2 -> 14
    -> 1 -> 17 | Length = 5042,82
460 Ant 18: 18 -> 4 -> 7 -> 2 -> 5 -> 13 -> 19 -> 17 ->
    12 -> 3 -> 1 -> 6 -> 14 -> 9 -> 8 -> 11 -> 10 -> 16
    -> 15 -> 18 | Length = 4433,87
461 Ant 19: 19 -> 5 -> 13 -> 8 -> 15 -> 9 -> 18 -> 4 ->
    2 -> 6 -> 16 -> 12 -> 3 -> 7 -> 17 -> 10 -> 1 -> 11
    -> 14 -> 19 | Length = 4682,31
462 Best so far: 3202,92
463
464 ===== Iteration 22 =====
465 Ant 1: 1 -> 12 -> 3 -> 17 -> 19 -> 9 -> 8 -> 13 -> 5
    -> 10 -> 11 -> 4 -> 18 -> 7 -> 2 -> 14 -> 6 -> 15
    -> 16 -> 1 | Length = 3749,65
466 Ant 2: 2 -> 6 -> 14 -> 17 -> 19 -> 16 -> 13 -> 5 ->
    8 -> 9 -> 11 -> 15 -> 10 -> 4 -> 18 -> 7 -> 12 -> 3
    -> 1 -> 2 | Length = 4555,23
467 Ant 3: 3 -> 12 -> 1 -> 7 -> 18 -> 4 -> 19 -> 5 -> 13
    -> 17 -> 10 -> 11 -> 2 -> 6 -> 14 -> 15 -> 8 -> 16
    -> 9 -> 3 | Length = 4603,78
468 Ant 4: 4 -> 18 -> 10 -> 12 -> 3 -> 9 -> 13 -> 5 ->

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468 15 -> 8 -> 17 -> 19 -> 7 -> 16 -> 1 -> 14 -> 6 -> 2
-> 11 -> 4 | Length = 4450,20

469 Ant 5: 5 -> 13 -> 19 -> 3 -> 8 -> 10 -> 6 -> 12 -> 9
-> 4 -> 18 -> 7 -> 14 -> 2 -> 1 -> 11 -> 17 -> 16
-> 15 -> 5 | Length = 5058,17

470 Ant 6: 6 -> 2 -> 11 -> 10 -> 8 -> 13 -> 5 -> 17 ->
12 -> 1 -> 3 -> 16 -> 4 -> 18 -> 7 -> 15 -> 9 -> 19
-> 14 -> 6 | Length = 4440,15

471 Ant 7: 7 -> 10 -> 3 -> 12 -> 2 -> 14 -> 6 -> 11 -> 5
-> 13 -> 19 -> 1 -> 16 -> 9 -> 8 -> 17 -> 4 -> 18
-> 15 -> 7 | Length = 4944,44

472 Ant 8: 8 -> 9 -> 15 -> 13 -> 5 -> 6 -> 17 -> 19 ->
18 -> 4 -> 7 -> 2 -> 14 -> 12 -> 3 -> 11 -> 1 -> 10
-> 16 -> 8 | Length = 4228,10

473 Ant 9: 9 -> 11 -> 10 -> 15 -> 12 -> 6 -> 2 -> 14 ->
18 -> 4 -> 19 -> 17 -> 13 -> 5 -> 8 -> 1 -> 3 -> 7
-> 16 -> 9 | Length = 4932,18

474 Ant 10: 10 -> 6 -> 13 -> 8 -> 17 -> 19 -> 9 -> 5 ->
3 -> 12 -> 7 -> 11 -> 2 -> 14 -> 1 -> 16 -> 18 -> 4
-> 15 -> 10 | Length = 5488,11

475 Ant 11: 11 -> 1 -> 2 -> 14 -> 6 -> 4 -> 18 -> 17 ->
5 -> 13 -> 8 -> 9 -> 15 -> 3 -> 12 -> 10 -> 19 -> 7
-> 16 -> 11 | Length = 4351,27

476 Ant 12: 12 -> 8 -> 5 -> 13 -> 18 -> 4 -> 7 -> 2 ->
10 -> 11 -> 17 -> 19 -> 9 -> 1 -> 3 -> 16 -> 6 -> 14
-> 15 -> 12 | Length = 4854,59

477 Ant 13: 13 -> 5 -> 11 -> 3 -> 12 -> 2 -> 14 -> 6 ->
7 -> 10 -> 15 -> 9 -> 8 -> 17 -> 19 -> 4 -> 18 -> 1
-> 16 -> 13 | Length = 4052,71

478 Ant 14: 14 -> 18 -> 4 -> 8 -> 11 -> 10 -> 17 -> 5
-> 13 -> 9 -> 19 -> 2 -> 7 -> 15 -> 1 -> 3 -> 12
-> 6 -> 16 -> 14 | Length = 4885,31

479 Ant 15: 15 -> 9 -> 13 -> 5 -> 10 -> 11 -> 19 -> 8
-> 12 -> 3 -> 4 -> 18 -> 7 -> 6 -> 1 -> 14 -> 2 ->
17 -> 16 -> 15 | Length = 4338,34

480 Ant 16: 16 -> 5 -> 13 -> 19 -> 4 -> 18 -> 10 -> 11
-> 14 -> 2 -> 12 -> 3 -> 17 -> 1 -> 8 -> 9 -> 15
-> 7 -> 6 -> 16 | Length = 4956,33

481 Ant 17: 17 -> 11 -> 16 -> 12 -> 1 -> 3 -> 7 -> 4 ->
18 -> 2 -> 14 -> 6 -> 10 -> 5 -> 13 -> 8 -> 9 -> 15
-> 19 -> 17 | Length = 3663,03

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482 Ant 18: 18 -> 4 -> 17 -> 14 -> 7 -> 2 -> 6 -> 3 ->
    12 -> 5 -> 13 -> 10 -> 11 -> 9 -> 8 -> 1 -> 16 -> 19
    -> 15 -> 18 | Length = 4758,33
483 Ant 19: 19 -> 5 -> 13 -> 8 -> 14 -> 7 -> 2 -> 10 ->
    4 -> 18 -> 11 -> 17 -> 12 -> 3 -> 16 -> 15 -> 9 -> 1
    -> 6 -> 19 | Length = 4844,02
484 Best so far: 3202,92
485
486 ===== Iteration 23 =====
487 Ant 1: 1 -> 5 -> 13 -> 9 -> 10 -> 17 -> 8 -> 11 ->
    14 -> 6 -> 7 -> 2 -> 18 -> 4 -> 19 -> 3 -> 12 -> 15
    -> 16 -> 1 | Length = 4430,84
488 Ant 2: 2 -> 9 -> 7 -> 6 -> 14 -> 5 -> 13 -> 11 -> 16
    -> 1 -> 12 -> 3 -> 4 -> 18 -> 10 -> 17 -> 15 -> 8
    -> 19 -> 2 | Length = 5028,57
489 Ant 3: 3 -> 11 -> 10 -> 17 -> 5 -> 19 -> 13 -> 8 ->
    9 -> 4 -> 18 -> 7 -> 2 -> 14 -> 12 -> 1 -> 16 -> 15
    -> 6 -> 3 | Length = 4096,17
490 Ant 4: 4 -> 18 -> 10 -> 11 -> 8 -> 5 -> 13 -> 17 ->
    3 -> 19 -> 12 -> 6 -> 2 -> 14 -> 16 -> 9 -> 15 -> 7
    -> 1 -> 4 | Length = 5329,51
491 Ant 5: 5 -> 3 -> 12 -> 4 -> 18 -> 7 -> 2 -> 6 -> 14
    -> 10 -> 8 -> 13 -> 15 -> 9 -> 11 -> 19 -> 17 -> 16
    -> 1 -> 5 | Length = 4350,39
492 Ant 6: 6 -> 14 -> 15 -> 4 -> 18 -> 3 -> 11 -> 12 ->
    1 -> 10 -> 17 -> 8 -> 7 -> 2 -> 9 -> 13 -> 5 -> 19
    -> 16 -> 6 | Length = 5604,78
493 Ant 7: 7 -> 4 -> 18 -> 11 -> 5 -> 13 -> 8 -> 15 -> 9
    -> 19 -> 17 -> 10 -> 12 -> 3 -> 1 -> 14 -> 6 -> 2
    -> 16 -> 7 | Length = 3854,39
494 Ant 8: 8 -> 13 -> 5 -> 11 -> 10 -> 17 -> 18 -> 4 ->
    7 -> 2 -> 6 -> 14 -> 12 -> 3 -> 19 -> 9 -> 15 -> 16
    -> 1 -> 8 | Length = 3593,13
495 Ant 9: 9 -> 13 -> 5 -> 19 -> 4 -> 18 -> 12 -> 3 -> 1
    -> 2 -> 7 -> 17 -> 10 -> 8 -> 11 -> 16 -> 6 -> 15
    -> 14 -> 9 | Length = 5216,33
496 Ant 10: 10 -> 17 -> 2 -> 18 -> 4 -> 19 -> 1 -> 12
    -> 3 -> 11 -> 13 -> 7 -> 5 -> 15 -> 9 -> 8 -> 6 ->
    14 -> 16 -> 10 | Length = 5040,97
497 Ant 11: 11 -> 8 -> 19 -> 7 -> 12 -> 3 -> 1 -> 14 ->
    6 -> 2 -> 18 -> 4 -> 17 -> 10 -> 5 -> 13 -> 9 -> 15

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497  -> 16 -> 11 | Length = 3743,01
498 Ant 12: 12 -> 3 -> 11 -> 10 -> 5 -> 19 -> 18 -> 4
      -> 17 -> 8 -> 9 -> 13 -> 6 -> 14 -> 2 -> 7 -> 1 ->
      16 -> 15 -> 12 | Length = 4125,73
499 Ant 13: 13 -> 5 -> 8 -> 15 -> 17 -> 10 -> 11 -> 16
      -> 7 -> 12 -> 3 -> 1 -> 6 -> 14 -> 4 -> 18 -> 2 ->
      9 -> 19 -> 13 | Length = 4330,49
500 Ant 14: 14 -> 2 -> 3 -> 12 -> 15 -> 8 -> 5 -> 13 ->
      9 -> 10 -> 11 -> 7 -> 18 -> 4 -> 19 -> 17 -> 6 -> 1
      -> 16 -> 14 | Length = 4165,79
501 Ant 15: 15 -> 17 -> 7 -> 18 -> 4 -> 6 -> 14 -> 2 ->
      3 -> 12 -> 9 -> 13 -> 5 -> 8 -> 10 -> 11 -> 16 -> 19
      -> 1 -> 15 | Length = 4870,12
502 Ant 16: 16 -> 12 -> 3 -> 11 -> 10 -> 19 -> 5 -> 13
      -> 8 -> 15 -> 1 -> 18 -> 4 -> 7 -> 14 -> 2 -> 6 ->
      17 -> 9 -> 16 | Length = 4327,08
503 Ant 17: 17 -> 13 -> 5 -> 9 -> 8 -> 11 -> 10 -> 3 ->
      12 -> 16 -> 7 -> 18 -> 4 -> 15 -> 2 -> 6 -> 14 -> 1
      -> 19 -> 17 | Length = 4683,74
504 Ant 18: 18 -> 4 -> 11 -> 5 -> 13 -> 17 -> 8 -> 15
      -> 1 -> 3 -> 12 -> 10 -> 19 -> 2 -> 14 -> 6 -> 7
      -> 16 -> 9 -> 18 | Length = 4852,05
505 Ant 19: 19 -> 4 -> 18 -> 3 -> 12 -> 11 -> 10 -> 2
      -> 14 -> 6 -> 15 -> 13 -> 5 -> 8 -> 7 -> 17 -> 9
      -> 16 -> 1 -> 19 | Length = 4898,18
506 Best so far: 3202,92
507
508 ===== Iteration 24 =====
509 Ant 1: 1 -> 12 -> 3 -> 13 -> 8 -> 5 -> 11 -> 10 -> 7
      -> 6 -> 2 -> 17 -> 19 -> 4 -> 18 -> 14 -> 15 -> 9
      -> 16 -> 1 | Length = 4514,39
510 Ant 2: 2 -> 4 -> 18 -> 17 -> 8 -> 13 -> 3 -> 12 -> 6
      -> 10 -> 11 -> 5 -> 16 -> 14 -> 7 -> 9 -> 15 -> 19
      -> 1 -> 2 | Length = 5302,91
511 Ant 3: 3 -> 12 -> 1 -> 9 -> 13 -> 5 -> 17 -> 10 -> 4
      -> 18 -> 7 -> 2 -> 6 -> 14 -> 8 -> 19 -> 15 -> 11
      -> 16 -> 3 | Length = 4138,02
512 Ant 4: 4 -> 18 -> 14 -> 10 -> 8 -> 13 -> 5 -> 9 -> 1
      -> 3 -> 6 -> 12 -> 16 -> 11 -> 2 -> 7 -> 17 -> 19
      -> 15 -> 4 | Length = 4959,60
513 Ant 5: 5 -> 13 -> 9 -> 10 -> 3 -> 18 -> 4 -> 7 -> 6

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513	-> 1 -> 8 -> 16 -> 12 -> 17 -> 19 -> 2 -> 14 -> 11 -> 15 -> 5 Length = 4820,08
514	Ant 6: 6 -> 14 -> 12 -> 4 -> 18 -> 17 -> 19 -> 11 -> 5 -> 13 -> 9 -> 10 -> 8 -> 1 -> 3 -> 15 -> 2 -> 7 -> 16 -> 6 Length = 5335,48
515	Ant 7: 7 -> 19 -> 10 -> 17 -> 5 -> 13 -> 11 -> 16 -> 1 -> 9 -> 8 -> 12 -> 3 -> 6 -> 14 -> 18 -> 4 -> 2 -> 15 -> 7 Length = 4992,16
516	Ant 8: 8 -> 13 -> 5 -> 19 -> 1 -> 3 -> 12 -> 11 -> 9 -> 2 -> 6 -> 14 -> 18 -> 4 -> 7 -> 17 -> 10 -> 16 -> 15 -> 8 Length = 4296,81
517	Ant 9: 9 -> 13 -> 5 -> 17 -> 4 -> 18 -> 1 -> 3 -> 12 -> 6 -> 14 -> 2 -> 7 -> 11 -> 16 -> 15 -> 10 -> 19 -> 8 -> 9 Length = 4091,61
518	Ant 10: 10 -> 3 -> 12 -> 14 -> 7 -> 18 -> 4 -> 11 -> 13 -> 5 -> 8 -> 17 -> 6 -> 2 -> 1 -> 16 -> 19 -> 9 -> 15 -> 10 Length = 4309,68
519	Ant 11: 11 -> 7 -> 18 -> 4 -> 17 -> 3 -> 12 -> 10 -> 16 -> 13 -> 5 -> 9 -> 19 -> 8 -> 15 -> 6 -> 14 -> 2 -> 1 -> 11 Length = 4581,04
520	Ant 12: 12 -> 3 -> 4 -> 18 -> 7 -> 10 -> 17 -> 9 -> 5 -> 13 -> 8 -> 11 -> 1 -> 16 -> 6 -> 14 -> 2 -> 19 -> 15 -> 12 Length = 4193,10
521	Ant 13: 13 -> 5 -> 19 -> 11 -> 1 -> 18 -> 4 -> 7 -> 2 -> 6 -> 12 -> 3 -> 10 -> 17 -> 16 -> 15 -> 9 -> 8 -> 14 -> 13 Length = 4695,70
522	Ant 14: 14 -> 4 -> 18 -> 9 -> 13 -> 5 -> 8 -> 11 -> 10 -> 12 -> 3 -> 6 -> 2 -> 7 -> 15 -> 17 -> 1 -> 16 -> 19 -> 14 Length = 4816,84
523	Ant 15: 15 -> 19 -> 17 -> 13 -> 5 -> 8 -> 9 -> 10 -> 4 -> 18 -> 14 -> 6 -> 2 -> 1 -> 12 -> 3 -> 16 -> 7 -> 11 -> 15 Length = 4400,52
524	Ant 16: 16 -> 13 -> 5 -> 15 -> 10 -> 4 -> 18 -> 19 -> 17 -> 12 -> 3 -> 2 -> 14 -> 8 -> 11 -> 9 -> 6 -> 1 -> 7 -> 16 Length = 5490,30
525	Ant 17: 17 -> 10 -> 4 -> 18 -> 13 -> 5 -> 8 -> 11 -> 3 -> 12 -> 1 -> 14 -> 2 -> 7 -> 6 -> 19 -> 9 -> 15 -> 16 -> 17 Length = 4050,25
526	Ant 18: 18 -> 4 -> 2 -> 17 -> 8 -> 5 -> 13 -> 9 -> 15 -> 10 -> 11 -> 12 -> 3 -> 1 -> 14 -> 6 -> 19 -> 7 -> 16 -> 18 Length = 4631,32

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527 Ant 19: 19 -> 9 -> 13 -> 5 -> 18 -> 4 -> 11 -> 10
      -> 3 -> 12 -> 16 -> 15 -> 8 -> 17 -> 2 -> 14 -> 6
      -> 1 -> 7 -> 19 | Length = 4188,41
528 Best so far: 3202,92
529
530 ===== Iteration 25 =====
531 Ant 1: 1 -> 3 -> 12 -> 19 -> 8 -> 17 -> 11 -> 10 ->
      9 -> 5 -> 13 -> 14 -> 6 -> 2 -> 7 -> 4 -> 18 -> 15
      -> 16 -> 1 | Length = 4175,65
532 Ant 2: 2 -> 14 -> 9 -> 8 -> 15 -> 13 -> 5 -> 10 -> 6
      -> 12 -> 11 -> 19 -> 7 -> 4 -> 18 -> 17 -> 16 -> 3
      -> 1 -> 2 | Length = 4569,17
533 Ant 3: 3 -> 12 -> 1 -> 16 -> 15 -> 9 -> 19 -> 13 ->
      5 -> 17 -> 10 -> 11 -> 8 -> 18 -> 4 -> 7 -> 2 -> 14
      -> 6 -> 3 | Length = 3173,90
534 Ant 4: 4 -> 18 -> 19 -> 17 -> 10 -> 9 -> 13 -> 5 ->
      8 -> 3 -> 12 -> 2 -> 6 -> 14 -> 7 -> 11 -> 16 -> 1
      -> 15 -> 4 | Length = 4244,31
535 Ant 5: 5 -> 4 -> 18 -> 2 -> 6 -> 14 -> 1 -> 3 -> 11
      -> 17 -> 10 -> 8 -> 13 -> 16 -> 12 -> 7 -> 19 -> 9
      -> 15 -> 5 | Length = 4212,65
536 Ant 6: 6 -> 2 -> 12 -> 3 -> 1 -> 14 -> 10 -> 8 -> 5
      -> 13 -> 11 -> 18 -> 4 -> 17 -> 9 -> 19 -> 7 -> 16
      -> 15 -> 6 | Length = 5054,33
537 Ant 7: 7 -> 6 -> 2 -> 14 -> 18 -> 4 -> 17 -> 12 -> 3
      -> 10 -> 8 -> 11 -> 1 -> 16 -> 13 -> 5 -> 9 -> 15
      -> 19 -> 7 | Length = 3976,20
538 Ant 8: 8 -> 12 -> 6 -> 11 -> 9 -> 10 -> 13 -> 3 -> 1
      -> 18 -> 4 -> 19 -> 5 -> 16 -> 15 -> 17 -> 14 -> 2
      -> 7 -> 8 | Length = 5574,22
539 Ant 9: 9 -> 13 -> 5 -> 17 -> 10 -> 4 -> 18 -> 7 -> 6
      -> 14 -> 2 -> 1 -> 3 -> 12 -> 11 -> 16 -> 15 -> 19
      -> 8 -> 9 | Length = 3614,15
540 Ant 10: 10 -> 12 -> 3 -> 6 -> 14 -> 8 -> 15 -> 13
      -> 5 -> 17 -> 4 -> 18 -> 9 -> 11 -> 19 -> 7 -> 2
      -> 1 -> 16 -> 10 | Length = 4472,69
541 Ant 11: 11 -> 3 -> 18 -> 4 -> 8 -> 15 -> 5 -> 10 ->
      12 -> 9 -> 13 -> 17 -> 19 -> 2 -> 14 -> 6 -> 7 -> 1
      -> 16 -> 11 | Length = 4595,47
542 Ant 12: 12 -> 3 -> 5 -> 13 -> 9 -> 1 -> 7 -> 14 -> 6
      -> 2 -> 17 -> 10 -> 11 -> 8 -> 19 -> 18 -> 4 -> 16

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542 -> 15 -> 12 | Length = 4773,88
543 Ant 13: 13 -> 5 -> 15 -> 8 -> 19 -> 17 -> 10 -> 11
    -> 3 -> 6 -> 2 -> 14 -> 7 -> 18 -> 4 -> 12 -> 1 ->
    16 -> 9 -> 13 | Length = 3601,46
544 Ant 14: 14 -> 6 -> 1 -> 3 -> 12 -> 11 -> 5 -> 13 ->
    8 -> 2 -> 4 -> 18 -> 7 -> 10 -> 19 -> 17 -> 16 -> 15
    -> 9 -> 14 | Length = 4447,79
545 Ant 15: 15 -> 3 -> 12 -> 17 -> 9 -> 5 -> 13 -> 19
    -> 4 -> 18 -> 7 -> 2 -> 1 -> 16 -> 11 -> 10 -> 6
    -> 14 -> 8 -> 15 | Length = 4072,04
546 Ant 16: 16 -> 10 -> 14 -> 6 -> 2 -> 17 -> 18 -> 4
    -> 3 -> 12 -> 1 -> 11 -> 13 -> 5 -> 8 -> 15 -> 9
    -> 19 -> 7 -> 16 | Length = 4367,81
547 Ant 17: 17 -> 10 -> 7 -> 4 -> 18 -> 2 -> 6 -> 14 ->
    1 -> 12 -> 3 -> 11 -> 13 -> 5 -> 8 -> 9 -> 16 -> 15
    -> 19 -> 17 | Length = 3852,63
548 Ant 18: 18 -> 4 -> 5 -> 9 -> 11 -> 17 -> 12 -> 3 ->
    1 -> 16 -> 13 -> 10 -> 8 -> 15 -> 2 -> 7 -> 6 -> 14
    -> 19 -> 18 | Length = 4572,09
549 Ant 19: 19 -> 18 -> 4 -> 7 -> 10 -> 5 -> 13 -> 11
    -> 17 -> 8 -> 15 -> 16 -> 1 -> 3 -> 12 -> 14 -> 2
    -> 6 -> 9 -> 19 | Length = 3931,48
550 Best so far: 3173,90
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