concorde log file for dj2141

concorde -s99 ../dj2141.tsp
Using random seed 99
Problem Name: dj2141
Problem Type: TSP
Pubs in Daejeon, South Korea
Walking times in seconds (OSRM Open Source Routing Machine)
Number of Nodes: 2141
Explicit Lengths (CC_MATRIXNORM)
Set initial upperbound to 220086 (from tour)
Fractional Matching: 193610.0
Initial Running Time: 0.00 (seconds)
Basis Running Time: 0.00 (seconds)
Total fractional matching time: 0.00 (seconds)
Total Time for first_lp: 0.00 (seconds)
  LP Value  1: 171434.000000  (0.15 seconds)
  LP Value  2: 201064.750000  (0.36 seconds)
  LP Value  3: 205052.016667  (0.60 seconds)
  LP Value  4: 206748.864333  (0.90 seconds)
  LP Value  5: 207700.951700  (1.29 seconds)
  LP Value  6: 207878.101531  (1.99 seconds)
  LP Value  7: 208053.926827  (3.49 seconds)
  LP Value  8: 208187.560185  (3.94 seconds)
  LP Value  9: 208277.392191  (5.90 seconds)
  LP Value 10: 208421.834584  (7.63 seconds)
  LP Value 11: 208585.455594  (9.76 seconds)
  LP Value 12: 208690.000338  (11.41 seconds)
  LP Value 13: 208711.082103  (13.05 seconds)
New lower bound: 207747.634717
  LP Value  1: 208657.500000  (13.51 seconds)
  LP Value  2: 208725.467338  (14.90 seconds)
  LP Value  3: 208753.404906  (16.52 seconds)
  LP Value  4: 208784.500000  (18.09 seconds)
  LP Value  5: 208805.882362  (20.37 seconds)
  LP Value  6: 208818.923566  (21.57 seconds)
  LP Value  7: 208827.779125  (23.90 seconds)
New lower bound: 208827.473967
New upperbound from x-heuristic: 213608.00
Final lower bound 208827.473967, upper bound 213608.000000
Optimize the rebuilt LP ...
New LP Val: 208827.473967
Exact lower bound: 208827.473967
DIFF: 0.000000
Optimize the rebuilt LP ...
New LP Val: 208827.473967

Re-Exact lower bound: 208827.473967
Time for Total: 24.85 seconds (24.85 total in 1 calls)
Final LP has 3301 rows, 8916 columns, 54521 nonzeros
LOWER BOUND: 208827.473967   ACTIVE NODES: 1

Task 0: Branching on node 0
BBnode 0 split into 1 (208835.91) 2 (208943.00) (1.12 seconds)
LOWER BOUND: 208835.905000   ACTIVE NODES: 2

Task 1: Cutting on node 1
New upperbound from x-heuristic: 211383.00
TOUR FOUND - upperbound is 211383.00
BBnode 1 (now 3) done cutting: lowerbound 208973.87 (11.48 seconds)
LOWER BOUND: 208943.000000   ACTIVE NODES: 2

Task 2: Cutting on node 2
BBnode 2 (now 4) done cutting: lowerbound 209042.56 (2.93 seconds)
LOWER BOUND: 208973.865225   ACTIVE NODES: 2

Task 3: Branching on node 3
BBnode 3 split into 5 (209043.33) 6 (208980.53) (1.07 seconds)
LOWER BOUND: 208980.527689   ACTIVE NODES: 3

Task 4: Cutting on node 6
BBnode 6 (now 7) done cutting: lowerbound 209024.69 (3.67 seconds)
LOWER BOUND: 209024.694444   ACTIVE NODES: 3

Task 5: Branching on node 7
BBnode 7 split into 8 (209041.08) 9 (209024.69) (0.79 seconds)
LOWER BOUND: 209024.694444   ACTIVE NODES: 4

Task 6: Cutting on node 9
New upperbound from x-heuristic: 209056.00
TOUR FOUND - upperbound is 209056.00
BBnode 9 (now 10) done cutting: lowerbound 209025.59 (1.47 seconds)
LOWER BOUND: 209025.590333   ACTIVE NODES: 4

Task 7: Branching on node 10
BBnode 10 split into 11 (209043.77) 12 (209035.39) (0.89 seconds)
LOWER BOUND: 209035.385499   ACTIVE NODES: 5

Task 8: Cutting on node 12
New upperbound from x-heuristic: 209055.00
TOUR FOUND - upperbound is 209055.00
BBnode 12 (now 13) can be pruned: upperbound 209055.00 (10.82 seconds)
LOWER BOUND: 209041.083333   ACTIVE NODES: 4

Task 9: Cutting on node 8
BBnode 8 (now 14) can be pruned: upperbound 209055.00 (1.14 seconds)
LOWER BOUND: 209042.564709   ACTIVE NODES: 3

Task 10: Branching on node 4
BBnode 4 split into 15 (209080.75X) 16 (209043.06) (0.98 seconds)
Child 0 is pruned
LOWER BOUND: 209043.064709   ACTIVE NODES: 3

Task 11: Cutting on node 16
BBnode 16 (now 17) can be pruned: upperbound 209055.00 (0.79 seconds)
LOWER BOUND: 209043.333333   ACTIVE NODES: 2

Task 12: Cutting on node 5
BBnode 5 (now 18) can be pruned: upperbound 209055.00 (1.35 seconds)
LOWER BOUND: 209043.770998   ACTIVE NODES: 1

Task 13: Cutting on node 11
Writing Pool: 5688 cuts
BBnode 11 (now 19) can be pruned: upperbound 209055.00 (1.82 seconds)

Task 14: Exit
Optimal Solution: 209055.00
Number of bbnodes: 11
Total Running Time: 66.76 (seconds)  Branching Time: 40.32 (seconds)