

concorde log file for korea383

concorde -Z1 ../korea383.tsp
Using random seed 1707502890
500+ meter peaks in South Korea (peakvisor.com)
Walking times in seconds (OSRM Open Source Routing Machine)
Number of Nodes: 383
Explicit Lengths (CC_MATRIXNORM)
Set initial upperbound to 5444819 (from tour)
Fractional Matching: 5293600.5
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)
Call DPseparator ...
Found 6 domino cuts (4 combs) ...
LP Value 1: 5318778.571429 (0.03 seconds)
Call DPseparator ...
Found 4 domino cuts (3 combs) ...
LP Value 2: 5421715.186508 (0.09 seconds)
Call DPseparator ...
Found 2 domino cuts (1 combs) ...
LP Value 3: 5427187.527778 (0.14 seconds)
Call DPseparator ...
Found 5 domino cuts (2 combs) ...
LP Value 4: 5430834.045969 (0.20 seconds)
Call DPseparator ...
Found 8 domino cuts (7 combs) ...
LP Value 5: 5432174.069767 (0.59 seconds)
Call DPseparator ...
Found 3 domino cuts (2 combs) ...
LP Value 6: 5434164.691903 (0.63 seconds)
LP Value 7: 5434221.000000 (0.65 seconds)
New lower bound: 5434221.000000
New upperbound from x-heuristic: 5434221.00
Final lower bound 5434221.000000, upper bound 5434221.000000
Cutoff less than ZERO, do not run elimination
Exact lower bound: 5434221.000000
DIFF: 0.000000
Final LP has 577 rows, 1093 columns, 5665 nonzeros
Optimal Solution: 5434221.00
Number of bbnodes: 1
Total Running Time: 0.88 (seconds)