

Comparison of three approaches:

1. Exact algorithm (concorde¹)
2. Approximation using Ant Colony Optimization (ACO):
Parameters as stated on the exercise sheet, 10 ants and 100 iterations
3. Blind Search:
1000 function evaluations (as for ACO)

	ulysses16	ulysses22
Optimal	6859	7013
ACO	6859 – 7000	7013 – 7200
Blind Search	9000 – 10000	11000 – 13000

Table: Rough scale of resulting tour lengths; ACO finds optimal solution in approximately 1 out of 5 runs for ulysses16 and 1 out of 10 for ulysses22

¹<http://www.math.uwaterloo.ca/tsp/concorde.html>