

---

## CS312 Artificial Intelligence Lab Assignment 4b — Final Submission

Prepared by Mehul Bose (170030010) and K. Sai Anuroop (170030035)

Strategy used:

An initial solution is generated using ant colony optimisation. This solution uses the following values:

Alpha	: 1.0
Beta	: 10.0
Rho	: 0.5
Q	: 1
Ants	: 100
Iterations	: 1

Then an iteration of simulated annealing is run with the following parameters:

Initial Temperature	: 4
Closing Temperature	: 1.1
Cooling Factor	: 0.9995
Closing Iterations	: 1000

On the solution provided by the ant colony optimisation.

The following results have been observed on the given test cases:

euc_100:	1550.04006
euc_250:	2815.32096
noneuc_100:	5532.59922