
CSCI203 Algorithm and Data Structures

Lab Assg 8

July Session 2019

Objectives

- To be able to solve problem using branch and bound strategy
- To be able to find the minimized cost
- To practice writing solutions to problems in a clear and succinct way

Problem

Let there be N workers and N jobs. Any worker can be assigned to perform any job, incurring some cost that may vary depending on the work-job assignment. It is required to perform all jobs by assigning exactly one worker to each job and exactly one job to each agent in such a way that the total cost of the assignment is minimized. Write a program using branch and bound strategy to show who will be assigned which job and the total cost incurred.

Submission

Upload **ZIP/RAR** document titled **yourname_W14_L8** into the correct submission folder in **Moodle before 11pm** Malaysian time. Late submission will not be accepted.

Your document should contain your source code, screen shots and other necessary files. Show your code and output during lab to receive your marks.

Marking Criteria

- (1 mark for correctness, function as required, input/output
- 1 mark for efficiency, validation, readability, display format)