

Systems and Solving Techniques for Knowledge Representation

– Guess & Check –

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EXERCISES

Write a logic program with GC0 methodology for the problems:

Minimum Spanning Tree. *Given a weighted graph by means of $\text{edge}(\text{Node1}, \text{Node2}, \text{Cost})$, and $\text{node}(N)$, compute a tree that starts at a root node, spans that graph, and has minimum cost.*

Seating. *A gala dinner has to be organized and table composition must satisfy a number of requirements:*

- *Each table has n_c chairs.*
- *Each guest must be assigned exactly one table.*
- *People liking each other should sit at the same table.*
- *People disliking each other should not sit at the same table.*

What you are requested to do

What you are requested to do is:

- 1 sending by email at mmaratea@dbai.tuwien.ac.at by Thu 12th the required solution(s) (*.dl), and *.db file to test it (if needed), to AT LEAST ONE problem;
- 2 trying your solution(s) using a grounder and a solver.