Constraint Programming
Quiz #08 (search and inference)

What are the advantages and drawbacks of backtracking search and inference techniques?

Which constraints are checked after assigning a value to a variable in chronological backtracking?

What is the difference between forward checking and partial look-ahead?

What is the difference between partial look-ahead and full look-ahead?

Explain the fail-first principle. Where is it used?

Explain the succeed-first principle. Where is it used?

Can fail-first and succeed-first techniques be used together?

Describe the role variable and value ordering heuristics during search.

What are the possible branching schemes to solve CSPs?

What is the common motivation behind the cycle-cutset and MACE algorithms?

Why does MACE use less filtering?