Constraint Programming
Quiz #02 (local search)

What is the problem of generate-and-test method?

Why is local search called “local”?

How is the evaluation function defined in constraint satisfaction?

Define plateau.

What is the difference between strict and non-strict local optima?

How does hill-climbing leave a local optimum?

How does min-conflicts method leave a local optimum?

What is the size of neighborhood for hill climbing? And for min-conflicts method?

Is random walk a complete algorithm for solving CSPs?

What is the role of tabu list?

What is an aspiration criterion?

What are the roles of intensification and diversification in local search?

Describe the possible methods for escaping from local optimum.

What is the role of clause weighting in GSAT?

How does GENET escapes from local optima?

What is the role of temperature in simulated annealing?