Sudoku Report

# Explanation of the problem

Give the representation of a solution, as explained during the course.

Give the equation of the restriction(s) of the problem.

What is considered as a state? In addition, explain why.

Which is the initial state? In addition, explain why.

The initial board is a board with only a few tiles that contains numbers the rest of the tiles are empty.

Which is/are possible action(s)? Explain why.

The action is to fill all the empty tiles with number from 1-9 and make sure that the mini group of board don’t have the same number twice and that each row and column don’t have the same number more than once.

What is the maximum branching factor of the tree (b)? Explain why.

What is the maximum depth of the tree (m)? Explain why.