

Verilog Sudoku Solver Checklist

Magson Gao, Shreeyam Kacker

Baseline

- Character recognition from image uploaded into ROM (Shreeyam)
- Single position solver (Magson)
- Candidate line solver (Magson)

Expected

- Naked pair and triple solvers (Magson)
- Hidden pair and triple solvers (Magson)
- Video display for solved sudoku puzzle (Shreeyam)
- Puzzle input using camera and character recognition (Shreeyam)

Stretch

- Full state space search and backtracking, ability to solve world's hardest sudoku (Magson)
- Tutorial mode that shows if a guess is correct or not (Shreeyam)
- Tutorial mode that shows required techniques to solve each square (Shreeyam)