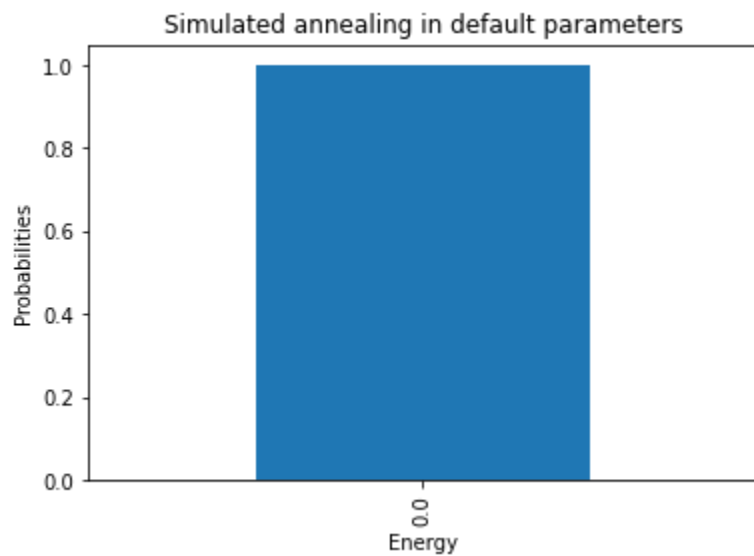
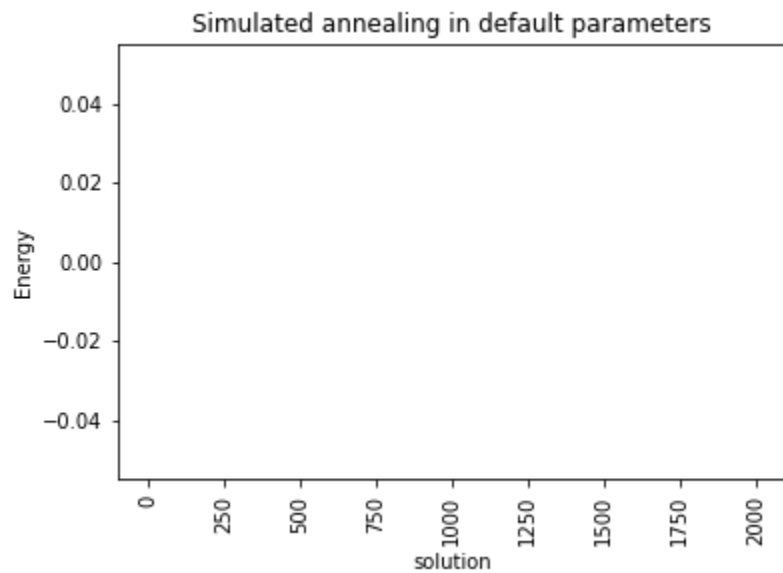


Solving Sudoku with Quantum Annealing – Test Cases Output

4 by 4 Sudoku (2000 reads)

minimum energy: 0.0

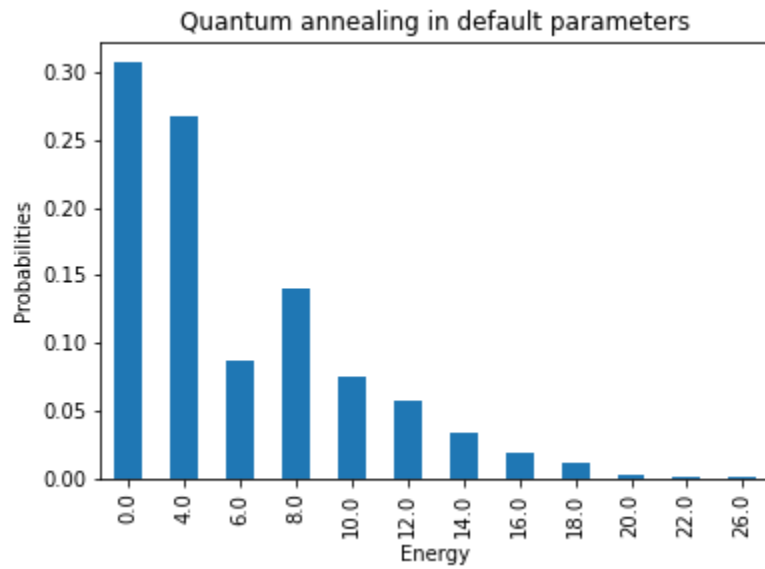
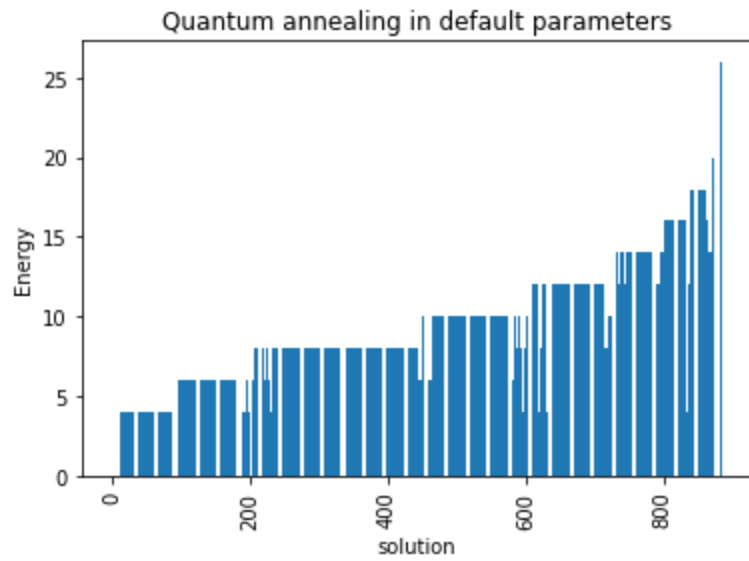


minimum energy: 0.0

Number of logical variables: 56

Number of physical qubits used in embedding: 187

minimum energy: 0.0



minimum energy: 0.0

1 4 2 3

2 3 1 4

3 1 4 2

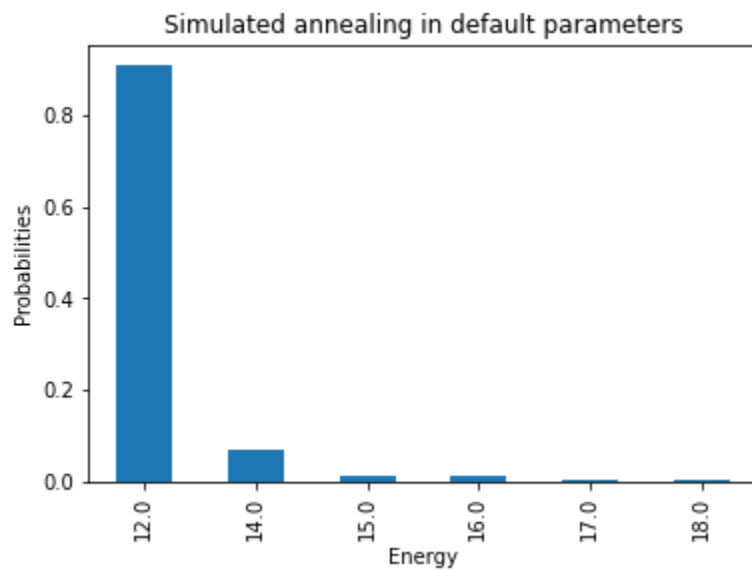
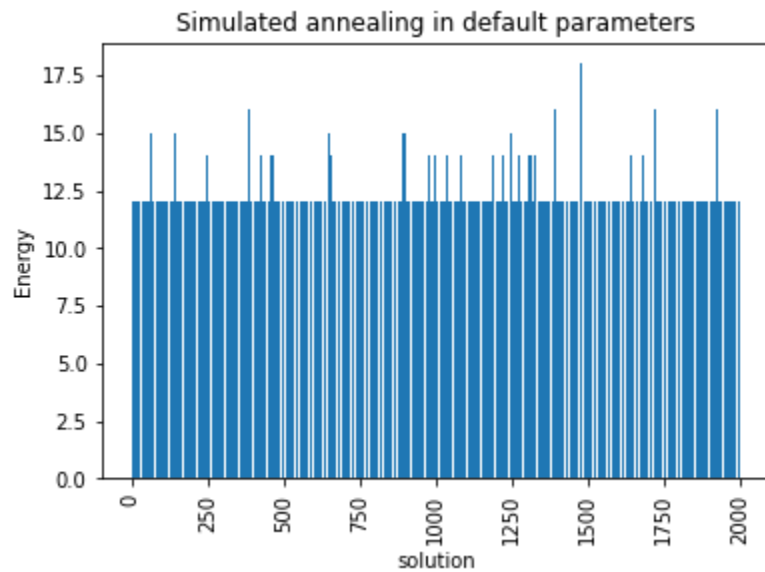
4 2 3 1

The solution is correct

CPU Runtime (seconds) 14.144272804260254

6 by 6 Sudoku Problem 1 (2000 reads)

minimum energy: 12.0

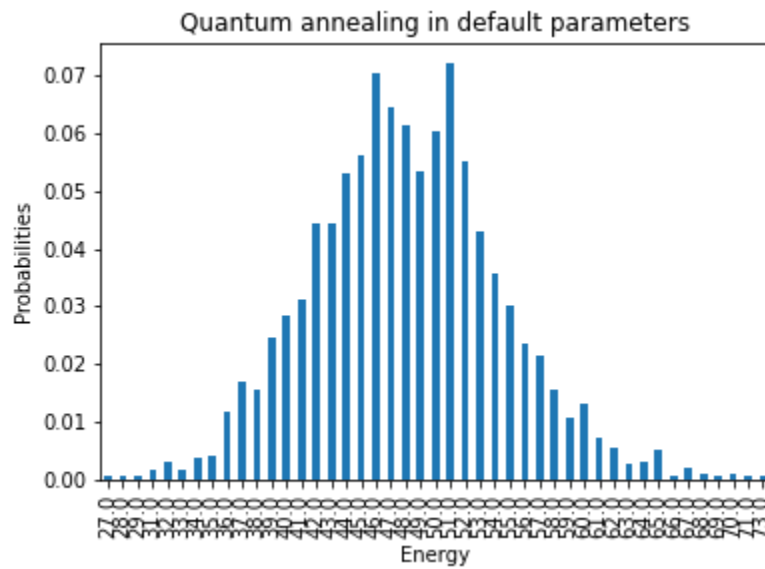
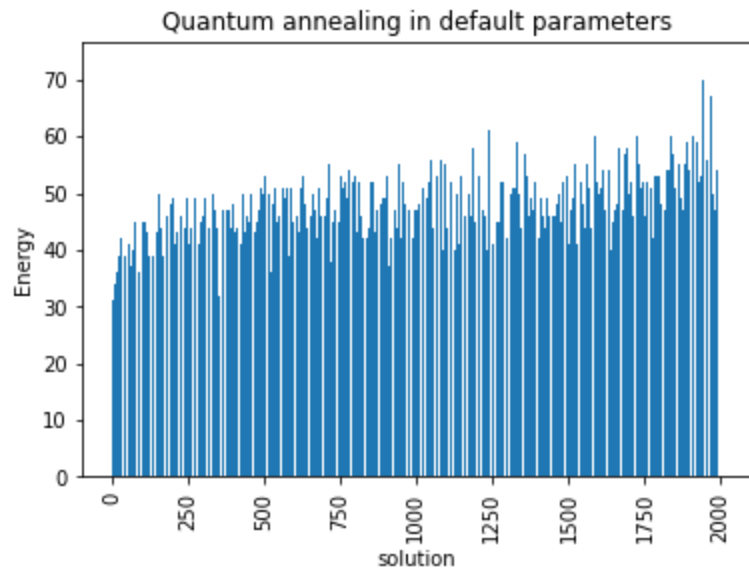


minimum energy: 12.0

Number of logical variables: 196

Number of physical qubits used in embedding: 2272

minimum energy: 27.0



minimum energy: 27.0

4 2 3 6 1 6

5 6 1 3 2 4

6 5 4 2 3 3

2 3 6 4 5 1

1 1 2 5 4 5

3 4 5 1 6 0

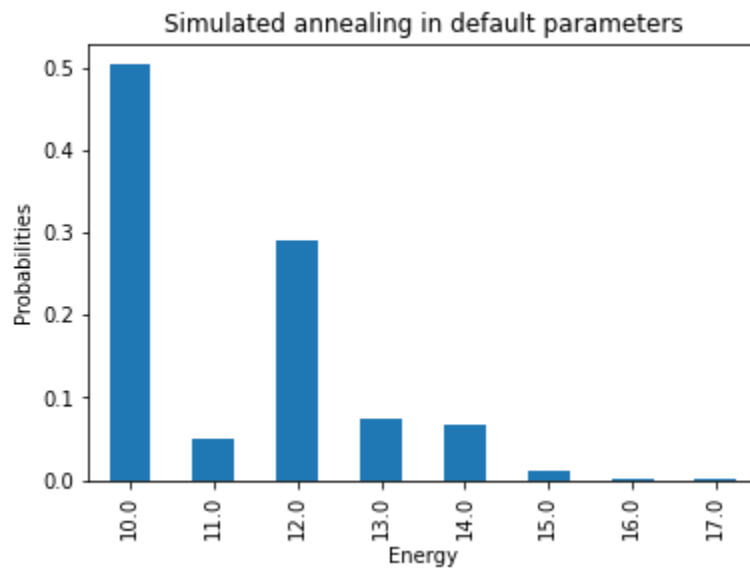
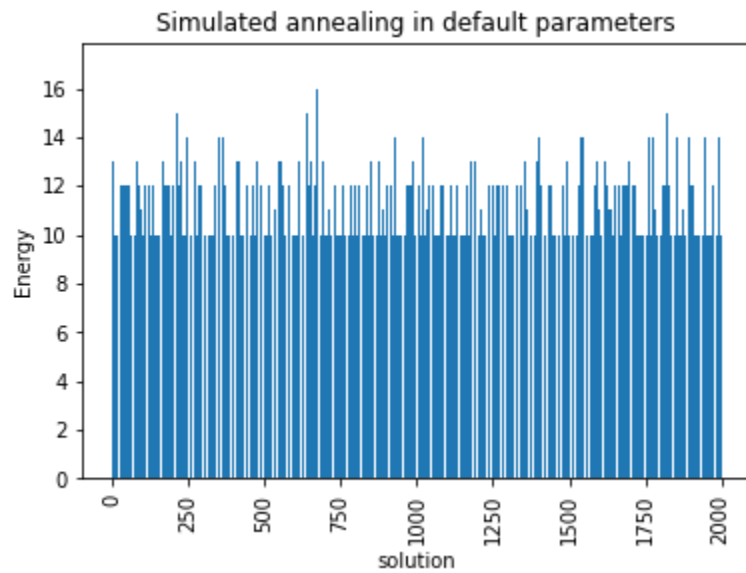
Error in row: [4, 2, 3, 6, 1, 6]

The solution is incorrect

CPU Runtime (seconds) 75.11728620529175

6 by 6 Sudoku Problem 2 (2000 reads)

minimum energy: 10.0

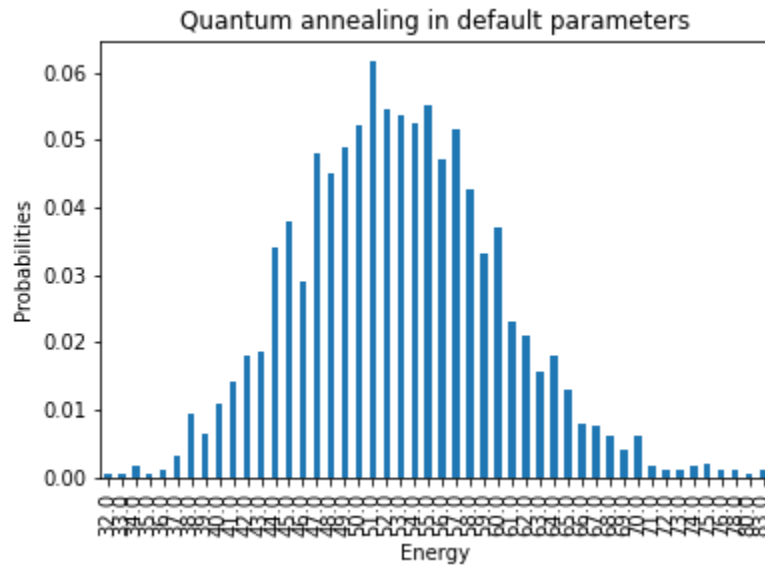
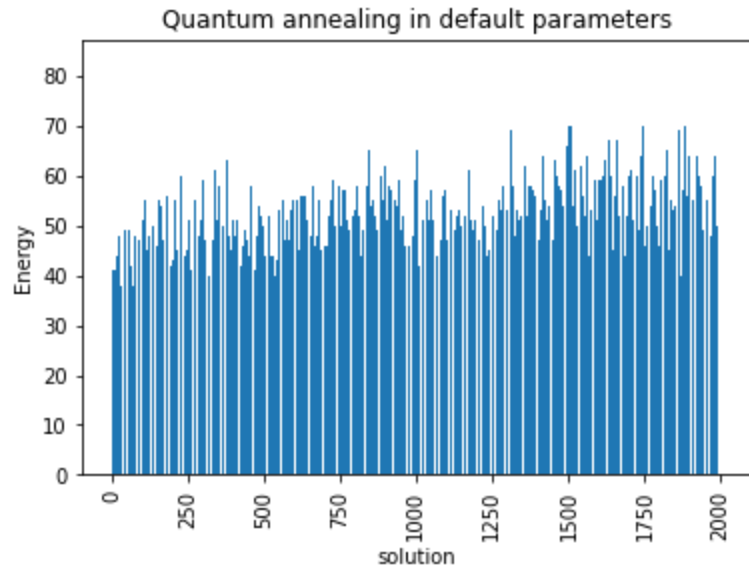


minimum energy: 10.0

Number of logical variables: 200

Number of physical qubits used in embedding: 2384

minimum energy: 32.0



minimum energy: 32.0

2 3 0 4 1 5

0 5 3 6 2 4

3 2 5 6 4 1

1 4 1 2 6 3

0 3 2 3 4 5

6 1 0 4 3 2

Error in row: [2, 3, 0, 4, 1, 5]

The solution is incorrect

CPU Runtime (seconds) 83.70589995384216

9 by 9 Sudoku Problem 1 – Hardest Sudoku Problem (500 reads)

Even after running the program for 10 minutes, the solver is still unable to solve the problem, so I paused it for now.