

UCS415 – Design and Analysis of Algorithms
Lab Assignment 4

Write a program to implement the following using backtracking approach:

- n-queen problem

<https://www.geeksforgeeks.org/n-queen-problem-backtracking-3/>

- Sum-of-Subsets

<https://www.geeksforgeeks.org/subset-sum-backtracking-4/>

- Graph Coloring

<https://www.geeksforgeeks.org/m-coloring-problem-backtracking-5/>

<https://www.geeksforgeeks.org/welsh-powell-graph-colouring-algorithm/>

Additional Questions:

- <https://coderanch.com/t/689386/java/solving-knapsack-backtracking>
- <https://www.geeksforgeeks.org/printing-solutions-n-queen-problem/>
- <https://www.geeksforgeeks.org/partition-set-k-subsets-equal-sum>