

Assignment 2: 22-Queen Problem

In this assignment, you are going to use **backtracking** to solve n-queen problem and n is required to be 22 in this assignment. Your program will place 22 queens on a 22 x 22 chess board while the queens are not attacking each other.

Requirements:

1. The given ipynb file must be used in this assignment.
2. You need to print out at least **four** of the solutions. The result should be in this format (row, column). Each pair shows a queen's position.
3. **Backtracking** should be used to check when you are placing a queen at a position.
4. Your code should be capable of solving other n-queen problems. For example, if n is changed to 10, your code also will solve 10-queen problem.

Example Output for 4-queens Problem

(0,1) (1,3) (2,0) (3,2)

(0,2) (1,0) (2,3) (3,1)