ALGORITMOS AVANÇADOS

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N-Queen Problem

Backtracking

Uma solução possível:
em Pseudo-Código

Create empty stack and set current position to 0

Repeat {

  loop from current position to the last position until valid position found //current row

  if there is a valid position {
    push the position to stack, set current position to 0 // move to next row
  }

  if there is no valid position {
    if stack is empty, break // stop search
    else pop stack, set current position to next position // backtrack to previous row
  }

  if stack has size N { // a solution is found
    pop stack, set current position to next position // backtrack to find next solution
  }

}