**[Backtracking Algorithm](https://www.geeksforgeeks.org/backtracking-algorithms/):** Backtracking is an algorithmic-technique for solving problems recursively by trying to build a solution incrementally. Solving one piece at a time, and removing those solutions that fail to satisfy the constraints of the problem at any point of time (by time, here, is referred to the time elapsed till reaching any level of the search tree) is the process of backtracking.

**Approach:**Form a recursive function, which will follow a path and check if the path reaches the destination or not. If the path does not reach the destination then backtrack and try other paths.

**Complexity Analysis:**

* **Time Complexity:** O(2^(n^2)).   
  The recursion can run upper-bound 2^(n^2) times.
* **Space Complexity:** O(n^2).   
  Output matrix is required so an extra space of size n\*n is needed.