|  |  |  |  |
| --- | --- | --- | --- |
| A | B | C | D |
| E | F | G | H |
| I | J | K | L |
| M | N | O | P |

Backtracking Algorithm

The idea is to place queens one by one in different columns, starting from the leftmost column. When we place a queen in a column, we check for clashes with already placed queens. In the current column, if we find a row for which there is no clash, we mark this row and column as part of the solution. If we do not find such a row due to clashes then we backtrack and move over one column to the right. Continue and repeat the process.