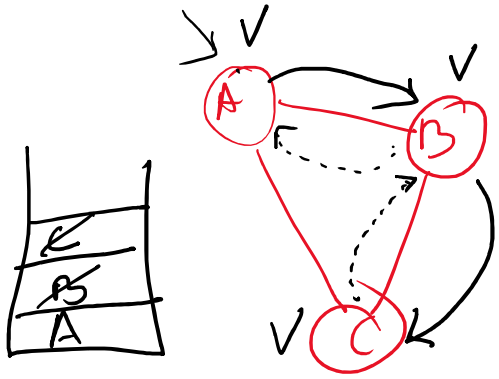
The **4-Queens Problem** is a well-known puzzle that involves placing 4 queens on an 4×4 chessboard in such a way that no two queens threaten each other.

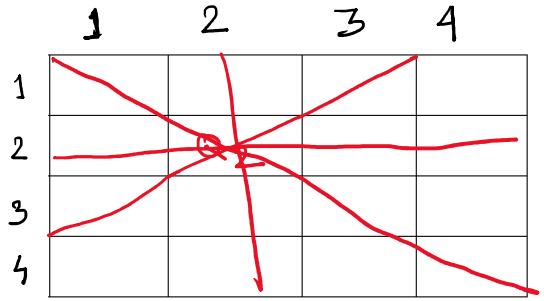
How to Solve the 4 Queen Problem?

To solve this problem, we will use a backtracking algorithm. Backtracking is a technique where we explore all possible solutions by incrementally building the solution and backtracking whenever we find that the current solution is invalid.



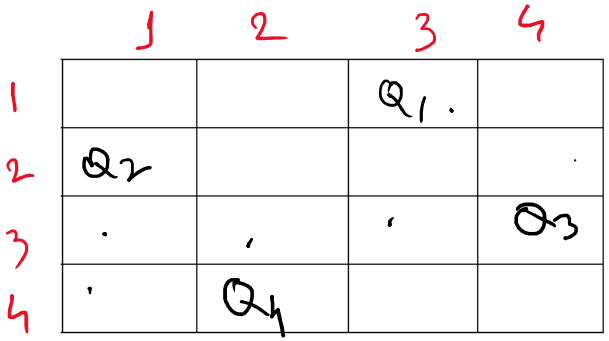
Print - A B C

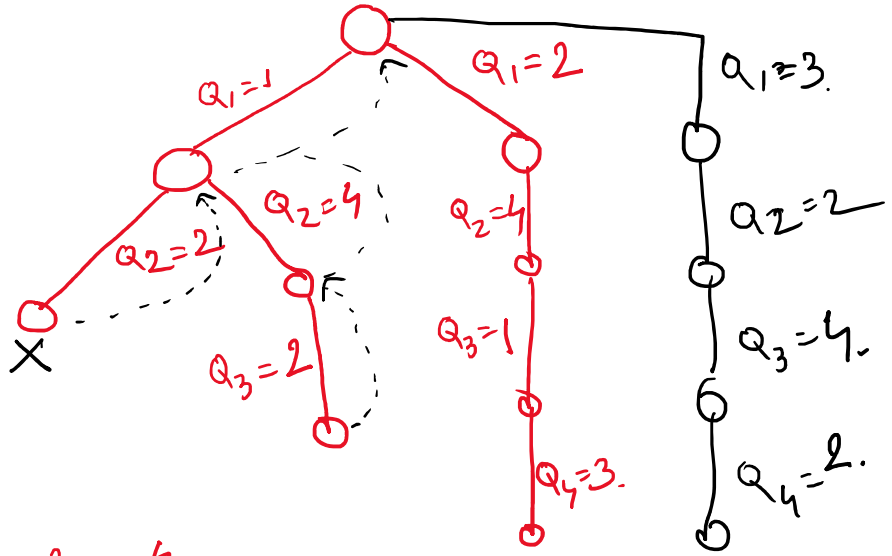
Each queen should be in different Row, different column and different diagonal.



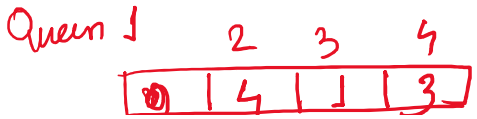
✓ Q_1 = Row 1
✓ Q_2 = Row 2
✓ Q_3 = Row 3
✓ Q_4 = Row 4.

sn





✓ Q_1 = Row 1
✓ Q_2 = Row 2



Q_2 = Row 2

Q_3 = Row 3

Q_4 = Row 4.

Queen 1 2 3 4

2	4	1	3

3	1	4	2

	1	2		
1				
2				
3				
4				