

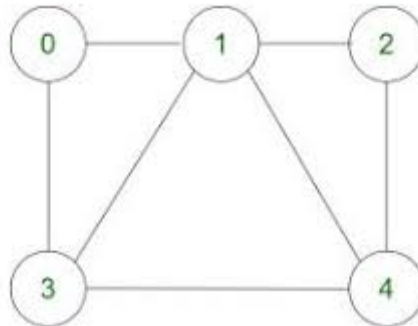
## Experiment 6

### Problem 1:

Implement the n queens problem using backtracking approach. Get the value of n at run time and construct the solution accordingly.

### Problem 2:

Write a code to Find the Hamiltonian circuit for the given graph using backtracking approach.



### Problem 3:

Write a code to find the stable marriage pairs for the following preferences list using iterating improvements method.

Man	Preference
Adam	Cindy Allie Betty
Blake	Betty Allie Cindy
Carl	Cindy Betty Allie

Woman	Preference
Allie	Adam Blake Carl
Betty	Carl Blake Adam
Cindy	Adam Carl Blake