```cpp
vector <int>bfs(lgraph l, int start) {
        vector<bool> visited(l.size(), false);
        queue<int> q;
        vector<int> tranversal;

        visited[start] = true;
        q.push(start);

        while (!q.empty()) {
                int current = q.front();
                q.pop();
                tranversal.push_back(current);

                for (int i = 0; i < l[current].size(); i++) {
                        int w = l[current][i].v;
                        if (!visited[w]) {
                                visited[w] = true;
                                q.push(w);
                        }
                }
        }
        return tranversal;
}
```
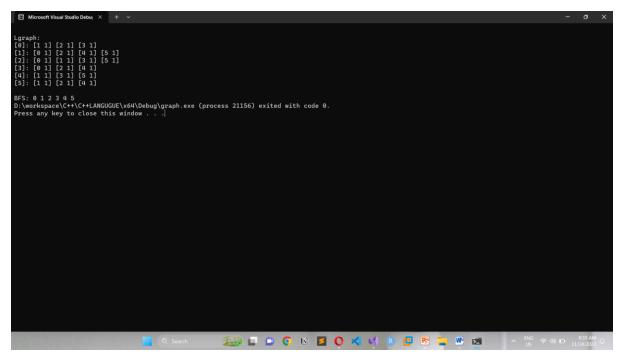
```cpp
vector <int>dfs(lgraph l, int start) {
        vector<bool> visited(l.size(), false);
        stack <int> st;
        vector<int> tranversal;

        visited[start] = true;
        st.push(start);

        while (!st.empty()) {
                int current = st.top();
                st.pop();
                tranversal.push_back(current);

                for (int i = 0; i < l[current].size(); i++) {
                        int w = l[current][i].v;
                        if (!visited[w]) {
                                visited[w] = true;
                                st.push(w);
                        }
                }
        }
        return tranversal;
}
```



```
Lgraph:
[0]: [1 1] [2 1] [3 1]
[1]: [0 1] [2 1] [4 1] [5 1]
[2]: [0 1] [1 1] [3 1] [5 1]
[3]: [0 1] [2 1] [4 1]
[4]: [1 1] [3 1] [5 1]
[5]: [1 1] [2 1] [4 1]

DFS: 0 3 4 5 2 1
D:\workspace\C++\C++LANGUGUE\x64\Debug\graph.exe (process 29424) exited with code 0.
Press any key to close this window . . .
```