

```

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

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

    while (!q.empty()) {
        int current = q.front();
        q.pop();
        transversal.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 transversal;
}

```

Microsoft Visual Studio Debug

```

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]

BFS: 0 1 2 3 4 5
D:\workspace\C++\C++\LANGUGUE\x64\Debug\graph.exe (process 21156) exited with code 0.
Press any key to close this window . . .

```

The screenshot shows a Windows taskbar at the bottom with various application icons and a system tray on the right indicating the time as 9:35 AM on 11/24/2023.

```

vector<int> dfs(lgraph l, int start) {
    vector<bool> visited(l.size(), false);
    stack<int> st;
    vector<int> transversal;

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

    while (!st.empty()) {
        int current = st.top();
        st.pop();
        transversal.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 transversal;
}

```

The screenshot shows a Microsoft Visual Studio Debug console window. The output is as follows:

```

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 . . .

```

The console window is titled "Microsoft Visual Studio Debug" and has a standard Windows taskbar at the bottom with various application icons and system status indicators.