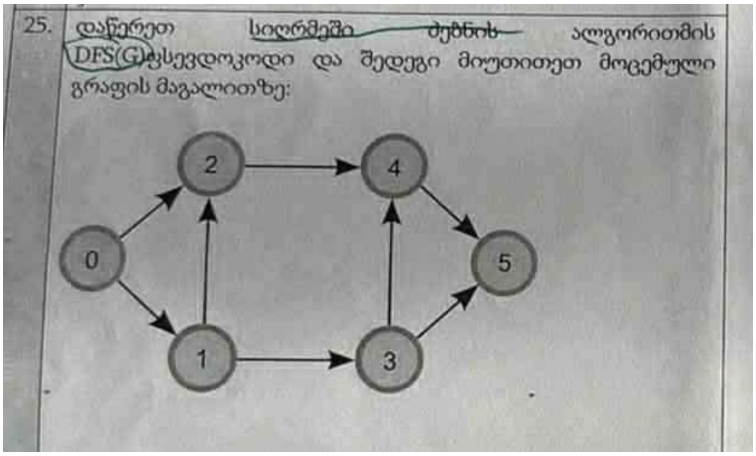


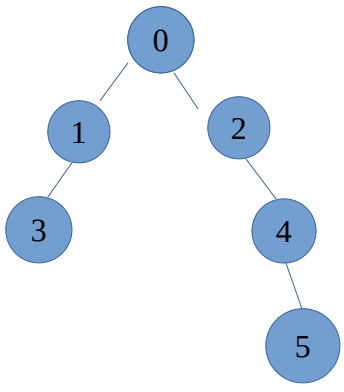

```
void Graph::DFS(){
    bool* visited = new bool[V];
    for (int i = 0; i < V; ++i)
        visited[i] = false;

    stack<int> ST;
    vector<int>::iterator it;

    for(int i = 0; i < V; i++)
        if(!visited[i]) {
            cout << "xis wvwro-"<<i <<endl;
            ST.push(i);
            visited[i] = true;
            while(!ST.empty()) {
                int m= ST.top();
                ST.pop();

                for(it = adj[m].begin(); it <adj[m].end(); ++it)
                    if(!visited[*it]) {
                        ST.push(*it);
                        visited[*it] = true;
                        cout << m<<"->"<<*it <<endl;
                    }
                }
        }


    }
```

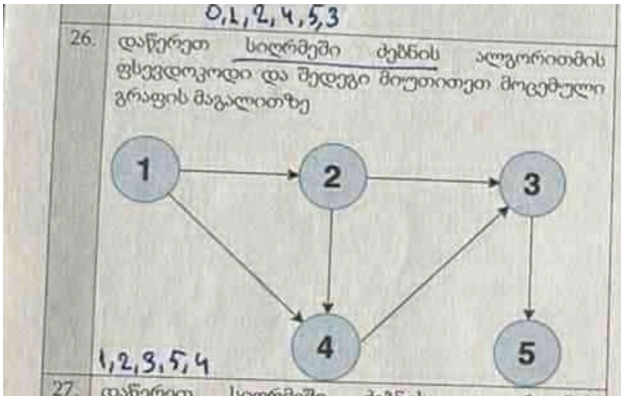
visit

0	1	2	3	4	5
1	1	1	1	1	1

Stack

3
5
4
2
1
0





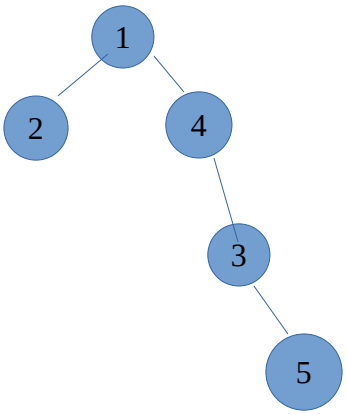
26.

visit

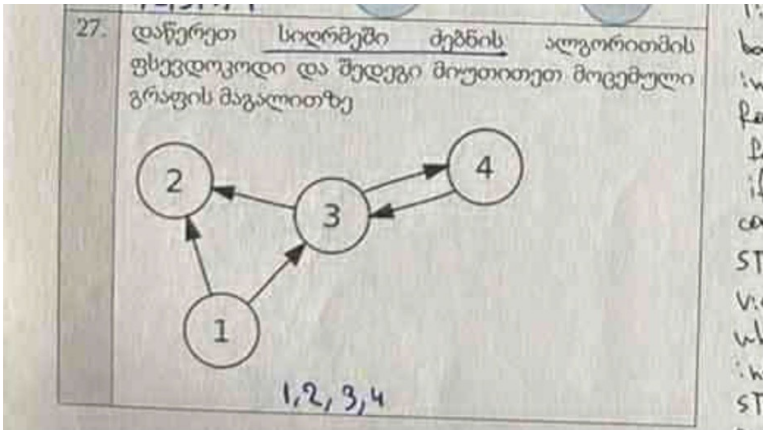
1	2	3	4	5
1	1	1	1	1

stack

5
3
4
2
1



27.

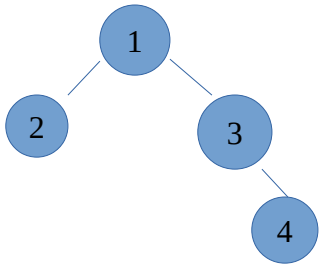


visit

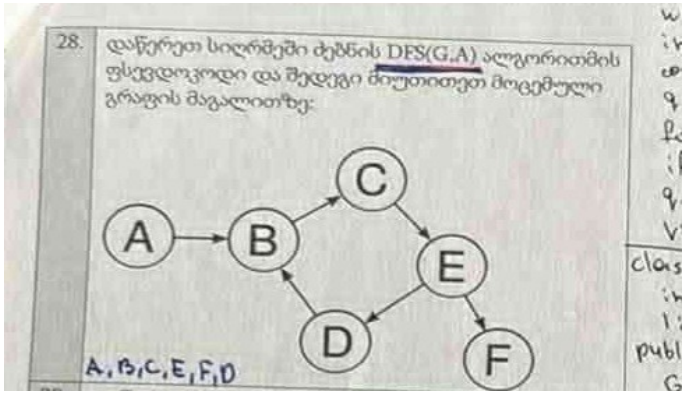
1	2	3	4
1	1	1	1

Stack

~~4~~
~~3~~
~~2~~
~~1~~



28.



visit

A	B	C	D	E	F
1	1	1	1	1	1

Stack

~~D~~
~~F~~
~~E~~
~~C~~
~~B~~
~~A~~