```
#include <random>
#include <regex>
vector<int> adj[MAX];
vector<int> adjInv[MAX];
bool colored[MAX];
bool coloredInv[MAX];
stack<int> s;
int scc[MAX];
int counter = 1;
    adj[a].push back(b);
    if(colored[u])
    colored[u] = 1;
         dfs1(adj[u][i]);
    if(coloredInv[u])
    coloredInv[u] = 1;
    for(int i=0;i<m;i++)</pre>
```

```
addEdges(b[i]+n, a[i]);
    addEdges(-b[i], n-a[i]);
addEdgesInverse(-b[i], n-a[i]);
if (!colored[i])
if (!coloredInv[n])
    dfs2(n);
    counter++;
    cout << "The given expression "</pre>
              "is unsatisfiable." << endl;
```

```
int main() {
    int n = 3, m = 2;
    int a[] = {1, -1, 1, -1};
    int b[] = {2, 2, -2, -2};
    _2sat(n, m, a, b);
    return 0;
}
```