```
import java.io.*;
import java.util.StringTokenizer;
public class Main
{
    BufferedReader in;
    StringTokenizer str;
    PrintWriter out;
    String next() throws IOException
    {
        while ((str == null) || (!str.hasMoreTokens()))
        {
            str = new StringTokenizer(in.readLine());
        };
        return str.nextToken();
    };
    int nextInt() throws IOException
    {
        return Integer.parseInt(next());
    };
    double nextDouble() throws IOException
    {
        return Double.parseDouble(next());
    };
    double nextLong() throws IOException
    {
        return Long.parseLong(next());
    };
    int n, m;
    int[][] a;
    int[] buv;
    int[] kilk;
    void dfs(int v)
    {
        buv[v]=1;
        for (int i=0; i<n; i++)
        if ((a[v][i]==0)&&(buv[i]==0))
    {
         dfs(i);
    };
};
void solve() throws IOException
{
    n = nextInt();
    m = nextInt();
    a = new int[n][n];
    buv = new int[n];
    kilk = new int[n];
    for (int i = 0; i < m; i++)
    {
        int t = nextInt();
        int now[] = new int[n ];
        for (int j = 0; j < t; j++)
        {
            int k = nextInt();
            now[k] = 1;
        }
        for (int j = 0; j < n; j++)
        for (int l = 0; l < n; l++)
        {
            if ((now[j] ^ now[l]) == 1)
            {
                a[j][l] = 1;
                a[l][j] = 1;
            }
        }
    };
    int res=0;
    for (int i=0; i<n; i++)
    if (buv[i]==0)
    {
        res++;
        dfs(i);
    };
    out.println(res);
};
void run() throws IOException
{
    in = new BufferedReader(new InputStreamReader(System.in));
    out = new PrintWriter(System.out);
    int n = nextInt();
    for (int i = 0; i < n; i++)
    {
        solve();
    };
out.close();
}
public static void main(String[] args) throws IOException
{
    new Main().run();
}
}
```