///code by sonhotrung

///2 dòng này sẽ mất:)))

#include <bits/stdc++.h>

#define pb push\_back

const int maxn = 1e5+5;

const long long oo = 1e18;

using namespace std;

int n,m,p;

vector <int> E[maxn],S;

int Lab[maxn],match[maxn];

bool found;

int vst,res;

void DFS(int x)

{

for (int y : E[x])

{

if (Lab[y] == vst)

continue;

Lab[y] = vst;

if (match[y] == 0)

found = true;

else

DFS(match[y]);

if (found)

{

match[y] = x;

return;

}

}

}

int main()

{

//freopen("","r",stdin);

//freopen("","w",stdout);

ios\_base::sync\_with\_stdio(false);

cin.tie(0);

cout.tie(0);

cin >> n >> m >> p;

for (int I = 1; I <= p; ++i)

{

int u,v;

cin >> u >> v;

v= v + n;

E[u].pb(v);

E[v].pb(u);

}

for (int I = 1; I <= n; ++i)

S.pb(i);

fill(Lab + 1,Lab + 1 + n,0);

vst = 0;

while (1)

{

vst++;

int k = S.size();

for (int I = S.size() - 1; I >= 0; --i)

{

found = false;

DFS(S[i]);

if (found)

{

res++;

S[i] = S.back();

S.pop\_back();

}

}

if (k == S.size())

break;

}

cout << res;

return 0;

}