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PROG: inspect

LANG: C++

ID: hayk.sa1

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#include <cstdio>

#include <vector>

#include <cstring>

using namespace std;

long long d[2][2510];

vector<int> g[2510];

int main()

{

freopen("inspect.in", "r", stdin);

freopen("inspect.out", "w", stdout);

long long ans;

int n, k, m, sw, p, q, i;

scanf("%d%d%d", &n, &k, &m);

for (i = 0; i < m; i++)

{

scanf("%d%d", &p, &q);

g[p-1].push\_back(q-1);

}

sw = 0;

ans = 0;

memset(d[sw], 0, sizeof(d[sw]));

d[sw][0] = 1;

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

{

memset(d[sw^1], 0, sizeof(d[sw^1]));

for (p = 0; p < n; p++)

for (q = g[p].size()-1; q >= 0; q--)

d[sw^1][g[p][q]] += d[sw][p];

sw ^= 1;

if (i >= k)

ans += d[sw][n-1];

}

printf("%lld\n", ans);

return 0;

}