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PROG: hideseek

LANG: C++

ID: hayk.sa1

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#include

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using namespace std;

int d[20010];

queue Q;

vector g[20010];

int main()

{

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

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

int n, m, p, q, i;

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

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

{

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

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

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

}

memset(d, -1, sizeof(d));

d[0] = 0;

Q.push(0);

while (!Q.empty())

{

p = Q.front(); Q.pop();

i = g[p].size();

for (i--; i >= 0; i--)

if (d[g[p][i]] == -1)

{

d[g[p][i]] = d[p]+1;

Q.push(g[p][i]);

}

}

p = m = 0;

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

{

if (d[i] > d[p])

{

p = i;

m = 0;

}

m += (d[i] == d[p]);

}

printf("%d %d %d\n", p+1, d[p], m);

return 0;

}