#include <stdio.h>

int r[50010], p[50010];

int find(int u)

{

if (u != p[u])

p[u] = find(p[u]);

return p[u];

}

void merge(int u, int v)

{

int a=find(u);

int b=find(v);

if (a == b)

return;

if (r[a] < r[b])

p[a] = b;

else

p[b] = a;

if (r[a] == r[b])

r[b]++;

}

bool t[50010];

int main()

{

long long m, i;

int l=1, n, u, v;

while (scanf("%d%lld", &n, &m) && (n || m))

{

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

{

r[i] = 0;

p[i] = i;

t[i] = 0;

}

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

{

scanf("%d%d", &u, &v);

merge(u-1, v-1);

}

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

t[find(i)] = 1;

u = 0;

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

u += t[i];

printf("Case %d: %d\n", l++, u);

}

return 0;

}