#include <stdio.h>

#define Max(a, b) ((a)>(b)?(a):(b))

int num[30010];

int r[30010], p[30010];

int find(int u)

{

if (u != p[u])

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

return p[u];

}

void merge(int u, int v)

{

int pu=find(u);

int pv=find(v);

if (r[pu] < r[pv])

p[pu] = pv;

else

p[pv] = pu;

if (r[pu] == r[pv])

r[pv]++;

}

int main()

{

int t, n, m, u, v, i;

scanf("%d", &t);

while (t--)

{

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

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

{

r[i] = 0;

p[i] = i;

num[i] = 0;

}

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

{

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

merge(u-1, v-1);

}

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

find(i);

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

num[p[i]]++;

m = 0;

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

m = Max(m, num[i]);

printf("%d\n", m);

}

return 0;

}