**图的数据生成器**

有向图和无向图同样适用的数据生成器,可生成随机图

## **CODE:**

#include<cstdio>

#include<algorithm>

#include<cstdlib>

#include<cstring>

#include<set>

#include<ctime>

#include<iostream>

using namespace std;int n,m,s,T;

inline int random() {

static int seed = s;

return seed = (int)(seed\*48271ll%2147483647);

}

set<int>to[100005];*//去重*

int main() {

srand ( time ( NULL ) ) ;

cin >> T;

cout << T << endl;

while(T--) {

s = rand();

n = 96;

m = 102;

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

for(int i = 1 ; i <= m ; i++) {

int u = random() % n + 1;

int v = random() % n + 1;

while(to[u].find(v) != to[u].end() || u == v) {

u = random() % n + 1;

v = random() % n + 1;

}

printf("%d %d\n",u,v);

to[u].insert(v);

}

printf("\n");

}

return 0;

}