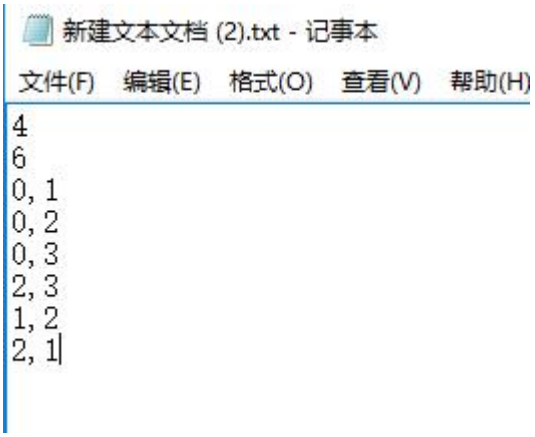
cfm 算法：

输入文件格式：



注：第一行代表节点个数。

第二行代表边缘个数。

-i 输入文件

-o 输出文件

软件环境：

Scala code runner version 2.12.2

Java version "1.8.0_102"

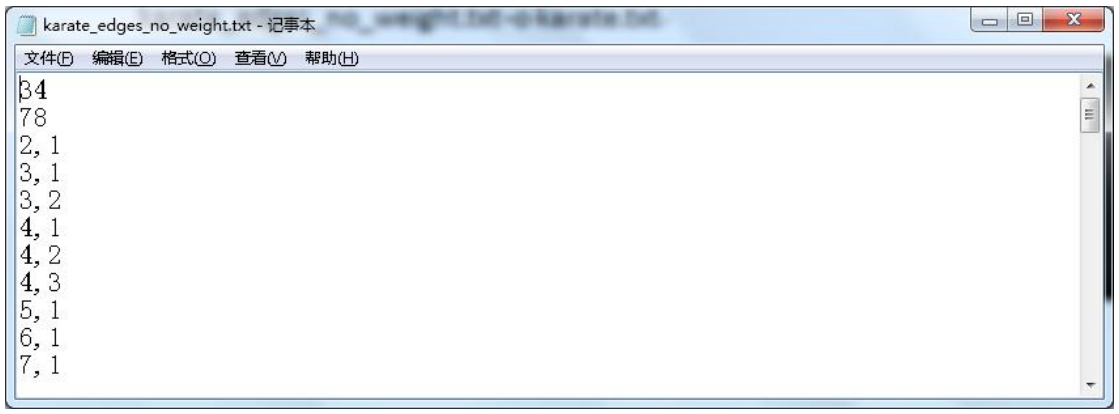
Java(TM) SE Runtime Environment (build 1.8.0_102-b14)

Java HotSpot(TM) 64-Bit Server VM (build 25.102-b14, mixed mode)

输入命令格式：

scala -J-Xmx7g -classpath communitydiscovery_M13.jar main.UndigraphMain -i aa.txt -o bb.txt

karate 数据集：



scala -J-Xmx7g -classpath communitydiscovery_M13.jar main.UndigraphMain -i karate_edges_no_weight.txt -o karate.txt

输出文件：

karate.txt_community.txt

```
2
1:3,9,10,15,16,19,21,23,24,25,26,27,28,29,30,31,32,33,34
2:1,2,3,4,5,6,7,8,9,10,11,12,13,14,17,18,20,22,31

```

karate.txt_NC.txt

```
34
1:2
2:2
3:1,2
4:2
5:2
6:2
7:2
8:2
9:1,2
10:1,2
11:2
12:2
13:2
14:2
15:1
16:1
17:2
18:2
19:1
20:2
21:1
22:2
23:1
24:1
25:1
```