Assignment 2

Name: Malini Kottarappatt Bhaskaran

NETID: mxk152030

Q1:

Sample Outputs

i.   (0,1)
     0,1   5,20
ii. (20, 28193)
     20,28193   1
iii. (1, 29826)
        No output
iv. (6222, 19272)
     19272,6222   19263,19280,19281,19282
v.   (28041, 28056)
     28041,28056   6245,28054,28061

Sample Result from the File:

```
(0,1)      5,20
(0,10)     12,16,30
(0,12)     3,10,16,29,30,38,41,55,83,85,89
(0,13)     27,37
(0,14)     4,19
(0,15)     4,27,80
(0,16)     10,12,18,30,38,53,83,89
(0,17)     19,26,28,53
(0,18)     4,16,30,89
(0,19)     14,17,50
```

Q2:

(0,1)   -> 0,1   5,20

(20, 28193) -> 20,28193 1

(1, 29826) -> 1,29826

(6222, 19272)-> 6222,19272 19280,19282,19263,19281

(28041, 28056)-> 28041,28056   28054,28061,6245

Q3:

(0,1) ->
```
0 1 [Beth:8/27/1970, Juan:9/12/1991]
```

(20, 28193) ->
```
20 28193 [Robert:11/26/1973]
```

(1, 29826) -> 1,29826 []

(6222, 19272) -> 19272 6222
```
19272 6222 [Betty:6/10/1958, Charles:2/2/1986, Willie:5/18/1965,
Hilton:6/22/1965]
```

(28041, 28056) -> 28041 28056 [Taylor:8/17/1973, Stephanie:9/21/1965,
Carl:11/10/1981]

Q4:

Result:

```
36070, 1351 Rockford Mountain Lane,Appleton,Wisconsin,86
```

```
11323, 4353 Deer Haven Drive,Greenville,South Carolina,86
```

```
23450, 269 Hickman Street,Geneva,Illinois,86
```

```
9311, 4448 Despard Street,Atlanta,Georgia,86
```

```
2558, 2224 Collins Street,Altoona,Pennsylvania,86
```

```
1472, 3 Milford Street,Newmarket,New Hampshire,86
```

```
31646, 3156 Conference Center Way,Mclean,Virginia,86
```

```
27380, 4190 Oliverio Drive,Hugoton,Kansas,86
```

```
39624, 4738 Philli Lane,Salina,Oklahoma,86
```

```
16241, 2589 Cook Hill Road,East Haven,Connecticut,86
```

```
18991, 302 Lincoln Drive,Harrisburg,Pennsylvania,86
```

```
30825, 1303 Joy Lane,Burbank,California,86
```

```
35716, 1522 Northwest Boulevard,Rochelle Park,New Jersey,86
```

```
40642, 275 Pooh Bear Lane,Liberty,South Carolina,86
```

```
41427, 2639 Deans Lane,Pleasantville,New York,86
```

```
18764, 4781 Trails End Road,Miami,Florida,86
```

```
44224, 1387 Carter Street,Centralia,Illinois,86
```

```
36735, 4647 Hide A Way Road,San Jose,California,86
```

```
37017, 1517 Parkway Street,El Centro,California,86
```

```
10018, 2289 Hickory Heights Drive,Columbia,Maryland,86
```

Q5:

Input text:

Alice is testing spark application. Testing spark is fun

Output:

(test,spark) 2