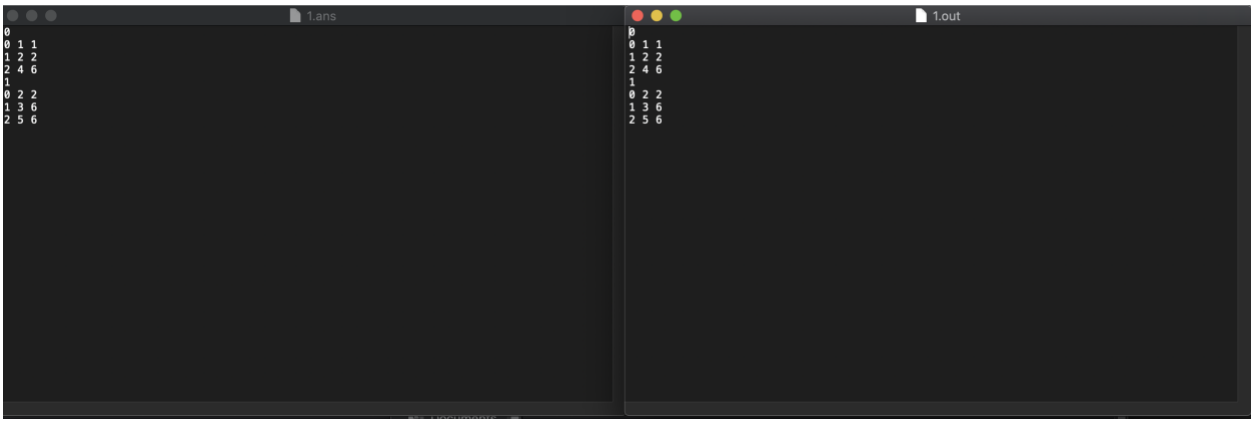
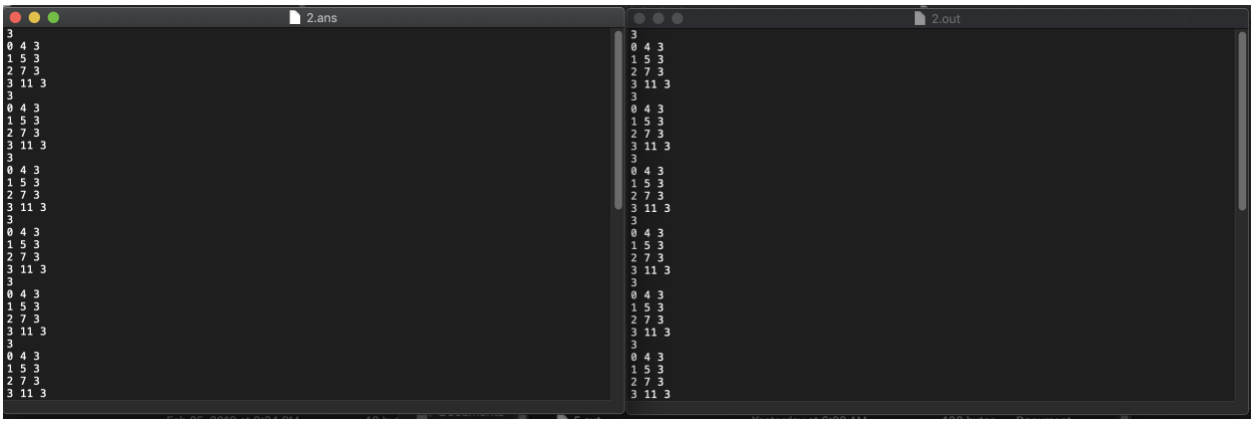
Kevin San Gabriel
301342241
CMPT 371 JC Liu Project 1 Question 2

My output is the terminal window on the right. The answer is the terminal window on the left.

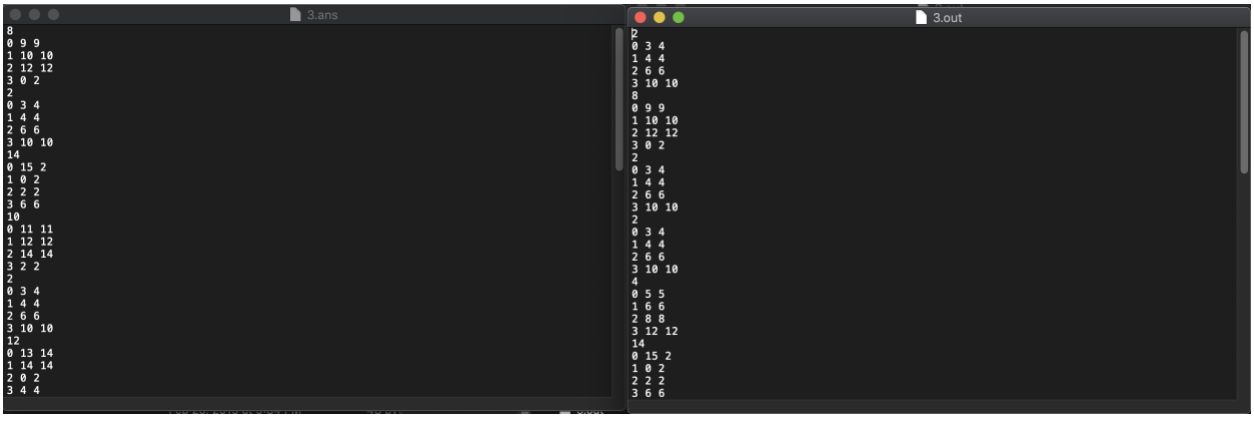
Test case 1:



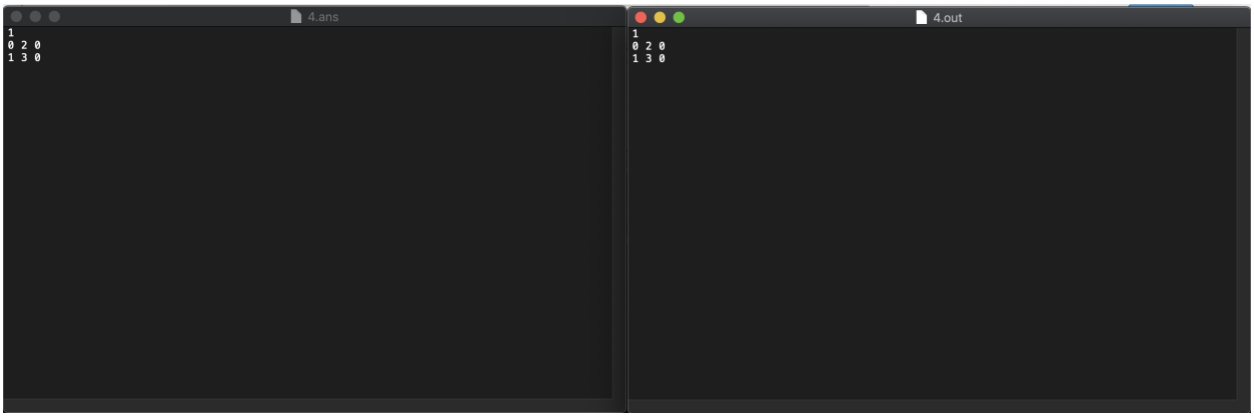
Test case 2:



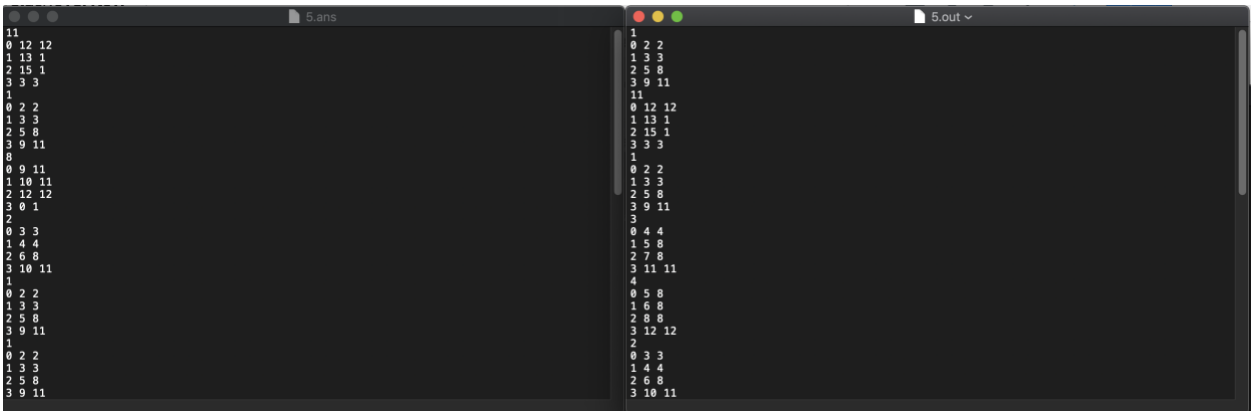
Test case 3:



Test case 4:



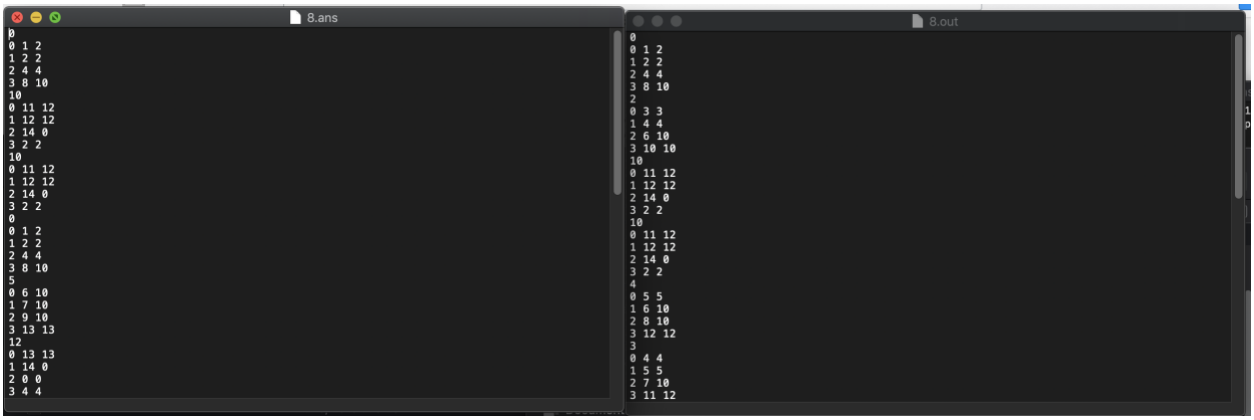
Test case 5:



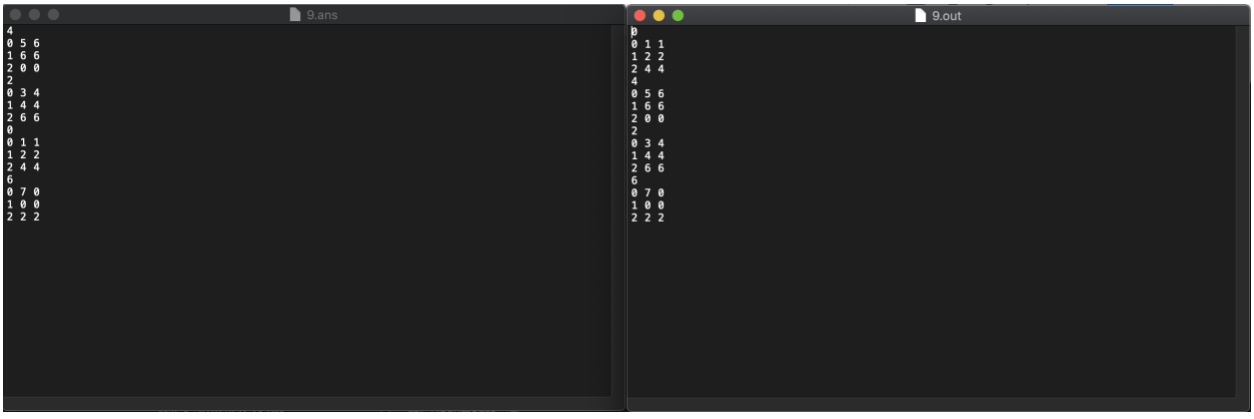
Test case 6:

Test case 7:

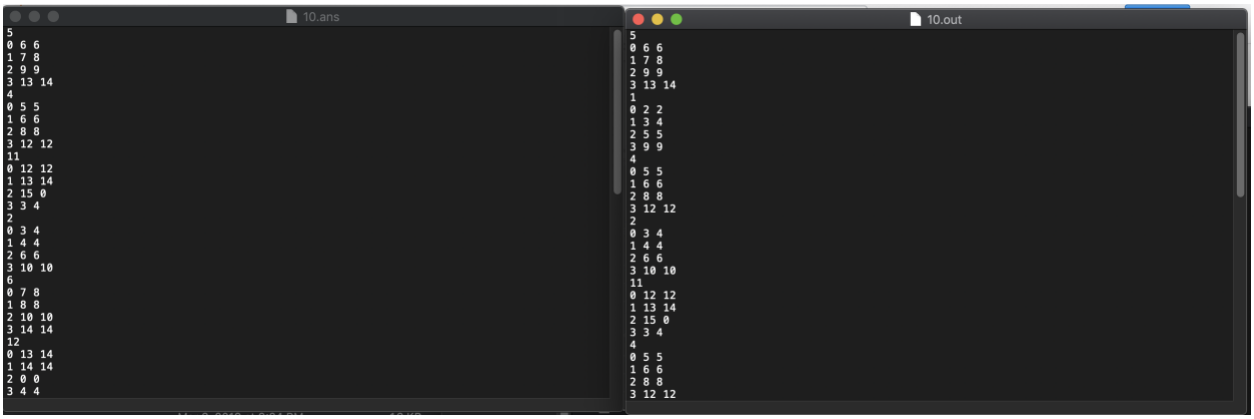
Test case 8:



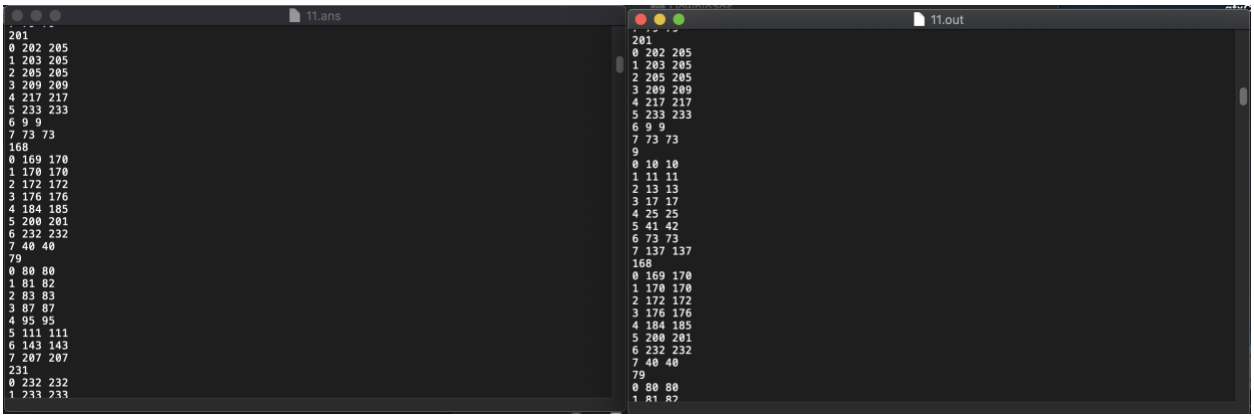
Test case 9:



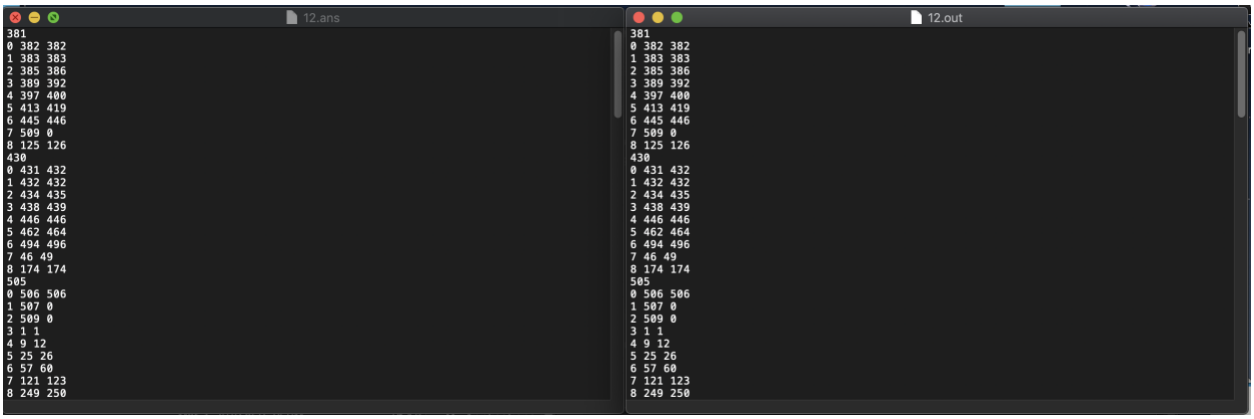
Test case 10:



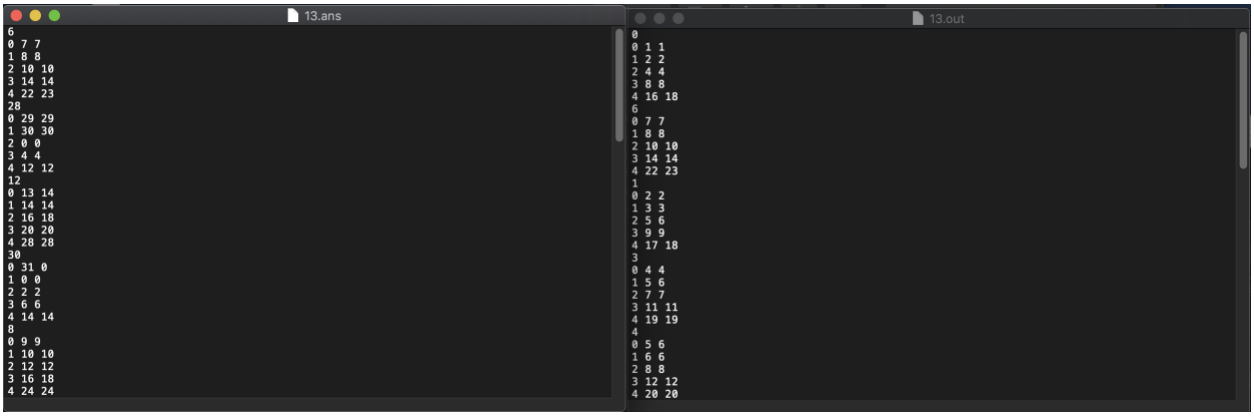
Test case 11:



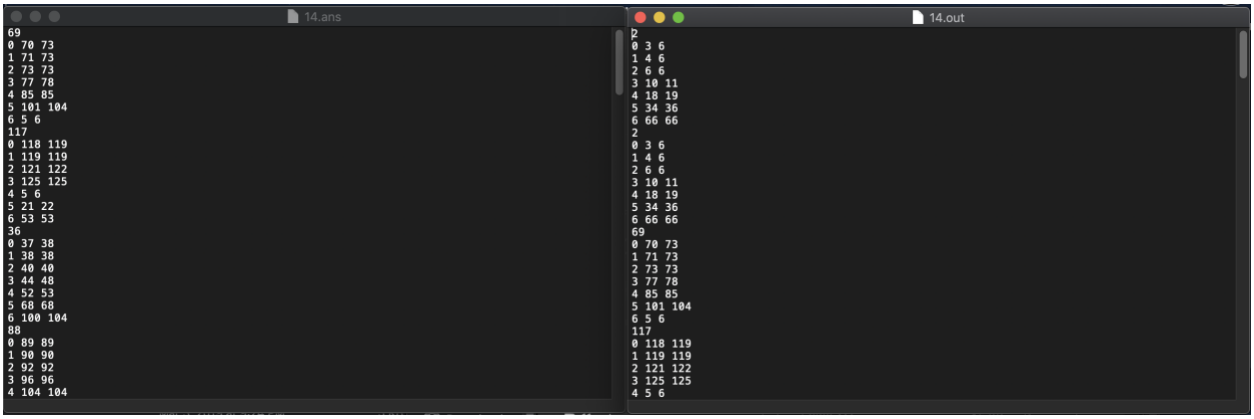
Test case 12:



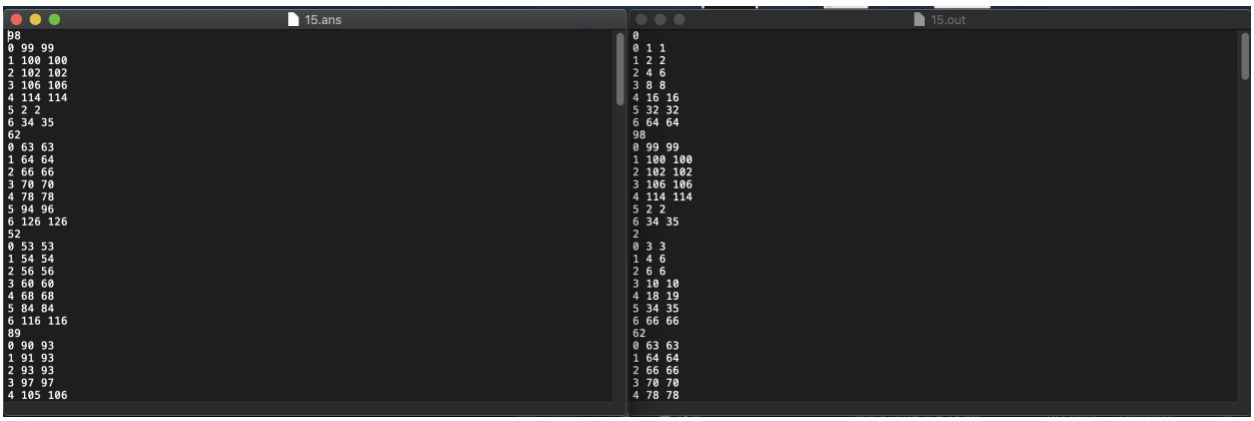
Test case 13:



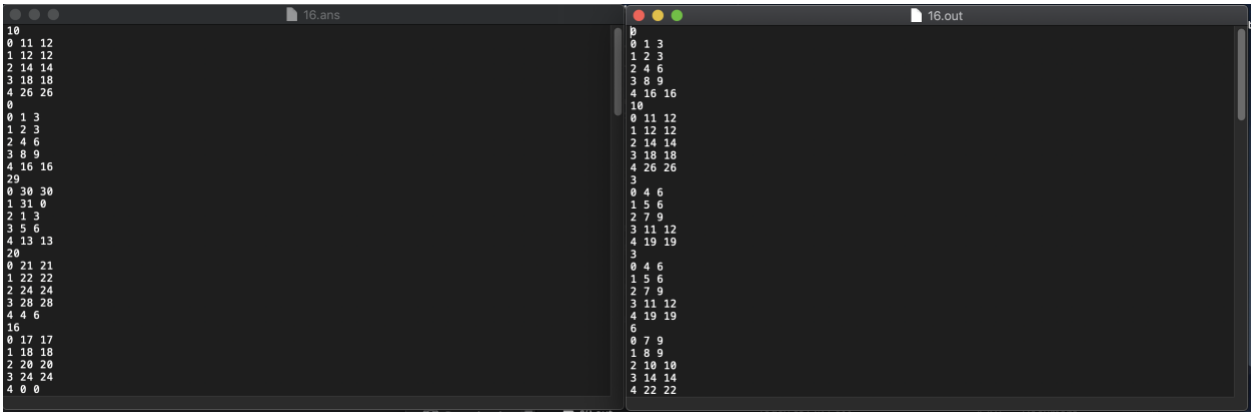
Test case 14:



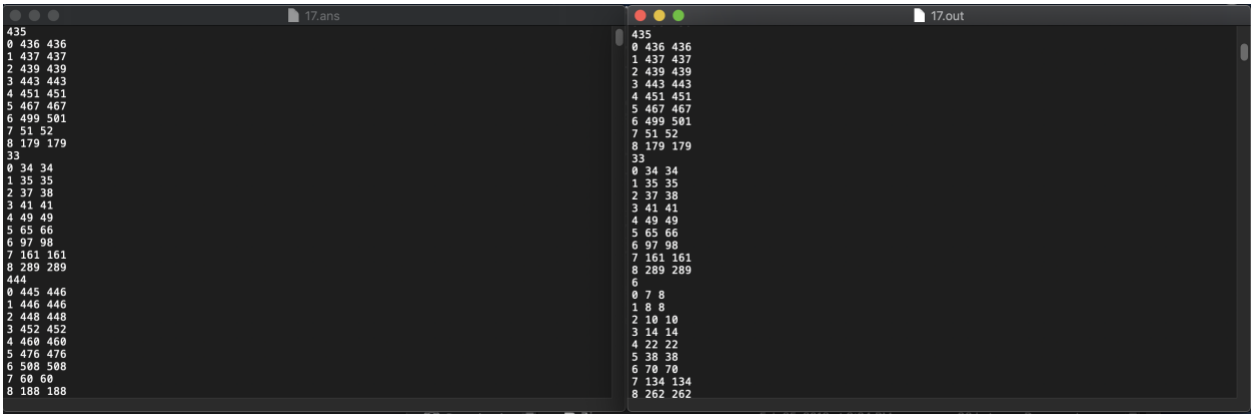
Test case 15:



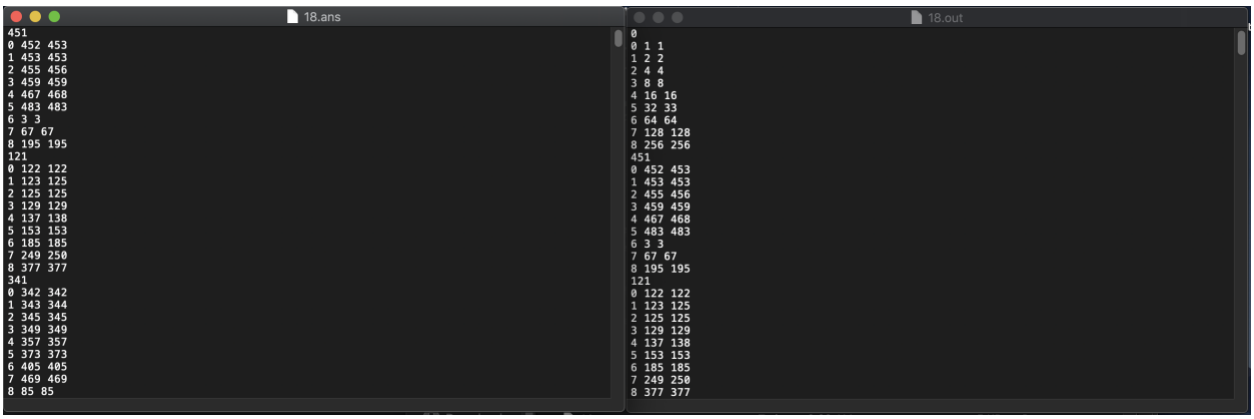
Test case 16:



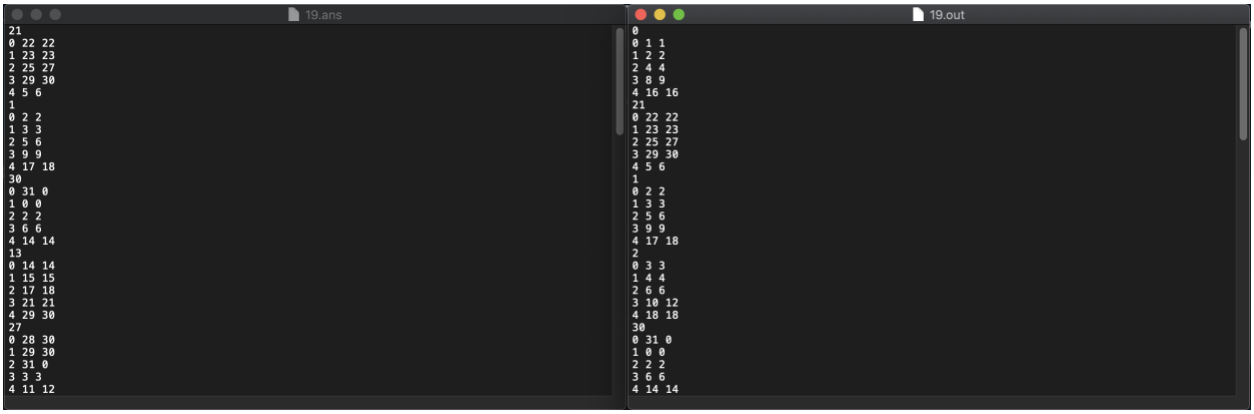
Test case 17:



Test case 18:



Test case 19:



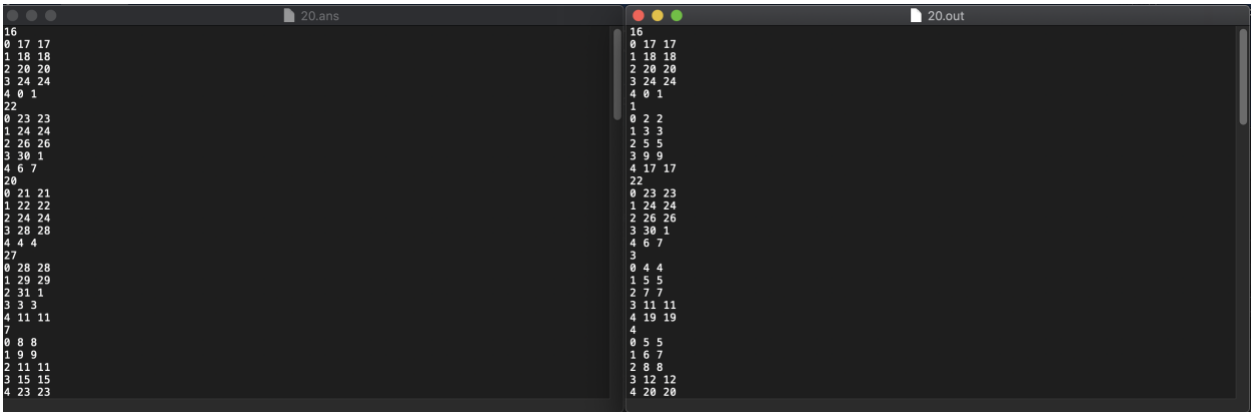
19.ans

```
21
0 22 22
1 23 23
2 25 27
3 29 30
4 5 6
1
0 2 2
1 3 3
2 5 6
3 9 9
4 17 18
30
0 31 0
1 0 0
2 2 2
3 6 6
4 14 14
13
0 14 14
1 15 15
2 17 18
3 21 21
4 29 30
27
0 28 30
1 29 30
2 31 0
3 3 3
4 11 12
```

19.out

```
0
0 1 1
1 2 2
2 4 4
3 8 9
4 16 16
21
0 22 22
1 23 23
2 25 27
3 29 30
4 5 6
1
0 2 2
1 3 3
2 5 6
3 9 9
4 17 18
2
0 3 3
1 4 4
2 6 6
3 10 12
4 18 18
30
0 31 0
1 0 0
2 2 2
3 6 6
4 14 14
```

Test case 20:



20.ans

```
16
0 17 17
1 18 18
2 20 20
3 24 24
4 0 1
22
0 23 23
1 24 24
2 26 26
3 30 1
4 6 7
20
0 21 21
1 22 22
2 24 24
3 28 28
4 4 4
27
0 28 28
1 29 29
2 31 1
3 3 3
4 11 11
7
0 8 8
1 9 9
2 11 11
3 15 15
4 23 23
```

20.out

```
16
0 17 17
1 18 18
2 20 20
3 24 24
4 0 1
1
0 2 2
1 3 3
2 5 5
3 9 9
4 17 17
22
0 23 23
1 24 24
2 26 26
3 30 1
4 6 7
3
0 4 4
1 5 5
2 7 7
3 11 11
4 19 19
4
0 5 5
1 6 7
2 8 8
3 12 12
4 20 20
```