

ECOO Round 3 QUESTIONS

May 9, 2015

Problem 1: Just the Factoradics, Ma'am

FIRST TRY

Suggested Marking Scheme

Input file name: DATA11.txt

Award 10 marks for each exactly correct test case.

Award 10 bonus marks if all lines are exactly correct.

```
5 1 3 0 0 0
6 7 4 5 8 0 6 0 0 0 0 0 0
7 3 2 7 2 8 6 1 8 0 0 0 0 0 0 0
5 7 1 8 2 5 1 6 1 9 0 0 2 5 0 0 0 0
2 6 8 8 8 4 5 4 2 6 9 0 1 4 4 4 0 0 0 0
7 14 3 2 19 5 5 6 8 6 3 4 4 9 2 8 0 0 0 0 0
0 0 ← line has wrapped here, not a new line
3 7 16 2 2 2 9 9 6 5 8 8 5 6 7 5 9 0 0 6 0 2 3
0 0 0 ← line has wrapped here, not a new line
7 8 4 15 6 7 3 4 4 9 9 2 9 5 2 7 8 1 2 7 9 0 0
5 5 0 0 0 0 0 ← line has wrapped here, not a new line
4 6 4 5 8 9 7 9 5 2 6 8 6 14 6 11 6 6 4 7 8 2
8 0 0 0 4 0 0 1 0 ← line has wrapped here
6 2 18 4 19 7 8 9 3 7 5 9 19 9 9 5 18 4 9 3 9
2 8 3 8 9 0 0 0 0 0 0 0 0 0 ← line has wrapped
```

ECOO Round 3 QUESTIONS

May 9, 2015

Problem 1: Just the Factoradics, Ma'am

SECOND TRY

Suggested Marking Scheme

Input file name: DATA12.txt

Award 10 marks for each exactly correct test case.

```
4 1 8 0 0 0 0 0 0 0 0
3 9 8 3 5 5 0 0 0 0 0
7 2 6 8 2 2 7 2 6 0 0 0 0 0 0
6 9 6 5 5 8 9 4 9 9 8 0 0 0 0 3 0 0 0
8 4 7 17 9 3 3 8 4 8 4 8 9 0 7 0 0 0 0 0 0
5 4 4 17 16 5 3 5 2 7 1 8 9 0 0 0 3 1 3 0 0 0
2 8 5 6 9 5 2 2 3 4 8 3 7 8 1 3 5 8 4 7 7 0 0
0 0 0 0 0      ← line has wrapped here, not a new line
4 9 4 5 6 13 9 6 3 8 8 5 8 5 4 2 6 9 6 6 5 5 0
0 2 0 0      ← line has wrapped here, not a new line
7 4 13 3 2 8 6 2 4 8 14 5 7 3 6 12 4 7 3 7 9 0
7 6 0 0 0 0 1 0 ← line has wrapped here, not a new line
4 2 16 7 4 9 17 3 8 2 6 4 9 4 2 5 7 1 9 1 2 1
2 8 5 6 0 4 0 0 1 0      ← line has wrapped here
```