ECOO Round 2 QUESTIONS

April 28, 2012

Problem 3: Airport Radar

FIRST TRY

Suggested Marking Scheme

Input file name: DATA31.txt

Award 20 marks for each exactly correct line.

Award 10 marks for each line in which the text is exactly correct but the number is greater than 0, less than the correct answer, and within 2. (e.g. the second line below could report 7, 8, 10, or 11 radar screens and would be worth 10 points instead of 20, but the last last could only report 2 or 3 to get the 10 points).

Award 10 bonus marks if all 5 lines are correct.

```
The jet will appear on 15 radar screens.
The jet will appear on 9 radar screens.
The jet will appear on 2 radar screens.
The jet will appear on 5 radar screens.
The jet will appear on 1 radar screens.
```

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Problem 3: Airport Radar

SECOND TRY

Suggested Marking Scheme

Input file name: DATA32.txt

Award 20 marks for each exactly correct line.

Award 10 marks for each line in which the text is exactly correct but the number is greater than 0, less than the correct answer, and within 2. (e.g. the second line below could report 6, 7, 9, or 10 radar screens and would be worth 10 points instead of 20, but the first line report 2 or 3 to get the 10 points).

```
The jet will appear on 1 radar screens.
The jet will appear on 8 radar screens.
The jet will appear on 8 radar screens.
The jet will appear on 4 radar screens.
The jet will appear on 26 radar screens.
```