

**STA Online Computer Programming Contest (DWITE)
February 2004**

Problem 5

School Attendance

DWITE Elementary School, which has grades one through eight, has requested your assistance with their attendance procedures.

The input file (DATA5) will contain eight lines of data, one line for each grade (grades one through eight in that order). The data for each grade consists of the number of students in the class, the number of students absent that day and the number of students late that day (in that order). Each of this information is separated by a single space.

The output file (OUT5) will contain five lines of data. The lines, in order, will contain the following information:

1. The total number of students in the school
2. The total number of students absent
3. The grade with the best attendance. The best attendance is calculated as the highest percentage of students that are not absent. (There will be no ties)
4. The list of grades, from best attendance to worst attendance, separated by commas.
5. The average number of students late per class, rounded to the nearest whole number.

Sample Input

```
22 3 0
23 3 1
25 2 2
25 0 0
26 1 2
26 2 3
29 1 0
28 2 1
```

Sample Output

```
204
14
4
4, 7, 5, 8, 6, 3, 2, 1
1
```