Stadistical measures
P17179_en

Write a program that reads non-empty sequences of real numbers and, for each sequence, prints its minimum, its maximum and its average.

Input

Input consists of a natural number n, followed by n sequences. Each sequence begins with the number of elements $m > 0$, followed by m real numbers.

Output

For every sequence, print in a line and with four digits after the decimal point its minimum, its maximum and its average.

Sample input

```
2
4 4.2 8.7 10 6.3
3 -10 0 8
```

Sample output

```
4.2000 10.0000 7.3000
-10.0000 8.0000 -0.6667
```

Problem information

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