**PROBLEM STATEMENT**

Let's say the HR team of a company has goodies set of size N each with a different price tag for each goodie. Now the HR team has to distribute the goodies among the M employees in the company such that one employee receives one goodie. Find out the goodies the HR team can distribute so that the difference between the low price goodie and the high price goodie selected is minimum.

**INPUT:**

Goodies and Prices:

Fitbit Plus: 7980

IPods: 22349

MI Band: 999

Cult Pass: 2799

Macbook Pro: 229900

Digital Camera: 11101

Alexa: 9999

Sandwich Toaster: 2195

Microwave Oven: 9800

Scale: 4999

**EXAMPLE OUTPUT:**

* Number of the employees: 4

Here the goodies that are selected for distribution are:

Fitbit Plus: 7980

Microwave Oven: 9800

Alexa: 9999

Digital Camera: 11101

And the difference between the chosen goodie with highest price and the lowest price is 3121

* Number of employees: 6

Here the goodies that are selected for distribution are:

Sandwich Toaster: 2195

Cult Pass: 2799

Scale: 4999

Fitbit Plus: 7980

Microwave Oven: 9800

Alexa: 9999

And the difference between the chosen goodie with highest price and the lowest price is 7804

* Number of employees: 2

Here the goodies that are selected for distribution are:

Microwave Oven: 9800

Alexa: 9999

And the difference between the chosen goodie with highest price and the lowest price is 199

The input has to be read from a file. The input file contains the all the goodies and their prices as shown in the example input file sample\_input.txt in the current folder.

The output has to be written to a file as shown in the example output file sample\_output.txt in the current folder.

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