# Problem 1. Numbers

Write a program to **read a sequence of integers** and find and print the **top 5** numbers that are **greater than the average** value in the sequence, sorted in descending order.

## Input

Read from the console a single line holding space separated number.

## Output

Print the above described numbers on a single line, space separated. If less than 5 numbers hold the above mentioned property, print less than 5 numbers.

## Constrains

All input numbers are integers in range [-1 000 000 … 1 000 000]. The count of numbers is in range [1…10 000].

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 10 20 30 40 50 | 50 40 | Average number = 30.  Numbers greater than 30 are: {40, 50}.  The top 5 numbers among them in descending order are: {50, 40}.  Note that we have only 2 numbers, so all of them are included in the top 5. |
| 5 2 3 4 -10 30 40 50 20 50 60 60 51 | 60 60 51 50 50 | Average number = 20.078.  Numbers greater than 20.078 are: {30, 40, 50, 50, 60, 60, 51}.  The top 5 numbers among them in descending order are: {60, 60, 51, 50, 50}. |
| 1 | *No* | Average number = 1.  There are no numbers, greater than 1. |
| -1 -2 -3 -4 -5 -6 | -1 -2 -3 | Average number = -3.5.  Numbers greater than -3.5 are: {-1, -2, -3}.  The top 5 numbers among them in descending order are: {-1, -2, -3}. |