1. **You are given an input that contains space-separated integers. Your task is to create a tuple 'a' of these numbers. and print the output as follows in separate lines:**

tuple a: (1, 2, 3, 4, 5, 6)

length of a: 6

Data type of a: <class 'tuple'>

Input

space-separated integers

Output

print the output as mentioned above in separated lines

Example Input

1 2 3 4 5 6

Output

tuple a: (1, 2, 3, 4, 5, 6)

length of a: 6

Data type of a: <class 'tuple'>

2. **You are given three integers that represents RGB codes in the input. Create a tuple of those numbers. The first number represents R , the second number represents G and the third numer represents B. Now create three empty lists R,G,B and append the corresponding code from the tuple.**

Input

There are three lines of input which contains the space separated integers that represents RGB colors

Output

Three different dictionaries for R,G and B codes

Example Input

149 125 173

210 1450 188

254 200 216

Output

[149, 210, 254]

[173, 188, 216]

[125, 145, 200]

3. **You are provided a list of tuples which have city names and population of the corresponding city. Your task is to find whether "Pune" in the this list. If it is present then print the population of 2nd city.**

Input

The list of cities with population is already created for you.

Output

If "Pune" is present in the list print the population of 2nd city, else there is no need to print anything.

Example Input

[('Mumbai', 25000000), ('Delhi', 26000000), ('Pune', 10000000), ('Bengaluru', 9000000), ('Chennai', 10000000)]

Output

26000000

4. **You are given a sequence of the integers in the three lines of the input. Create tuples using those numbers and concat these tuples into one and print all the tuple.**

Input

There are three lines of input that contains the space-separated integers

Output

First, create tuples for all number of lines and then make the final tuple by concatenating all three of them.

Example Input

1 2 3

4 5

6 7 8 9

Output

(1,2,3)

(4,5)

(6,7,8,9)

(1,2,3,4,5,6,7,8,9)

5. **Write a Python program that:**
   1. Creates a tuple travel_destinations containing information about popular tourist destinations: city names, countries, and ratings.
   2. Uses tuple indexing to print the city and country of the first destination.
   3. Uses tuple slicing to get the information of the last three destinations.
   4. Prints the total number of destinations.
   5. Finds the highest and lowest rated destinations.