Question 1:

Take as input N, the size of array. Take N more inputs and store that in an array. Write a function that bubble sorts the array. Print the elements of sorted array.

Input Format:

Constraints:

N cannot be negative. Range of Numbers can be between -1000000000 to 1000000000.

Output format:

Sample Input

4

2

-18

45

30

Sample Output

-18

2

30

45

Question 2:

We are given two coins of value x and y. we have to find the maximum of value of a XOR b where x <= a <= b <= y.

Sample Input

5

6

Sample Output

3

Question 3:

Given a Number N (Denoting one of the legs of the triangle), Print its Pythagoras pair in increasing order if they exist. Otherwise, print "-1"

Sample Input

3

Sample Output

4 5

Question 4:

Take N (Number in binary format). Write a function that converts it to decimal format and Print the value returned.

Sample Input

101010

Sample Output

42

Question 5:

Take N (number of rows), print the following pattern (for N=4).

1						1
1	2				2	1
1	2	3		3	2	1
1	2	3	4	3	2	1