

Max Number

Budi, Anto and Hani are playing a game called Max Number. Budi will ask Anto to say N numbers to be put into a bag and also ask Hani to say M numbers to be removed from the bag. Next, they will find the maximum number from the bag.

Removing a number from the bag also removes EVERY element in the bag with the same value.

Format Input

The first line contains two integers N stating the amount of numbers that will be put into the bag and M stating the amount of numbers that will be removed from the bag. The second lines contains the N numbers that will be stored into the bag. The third lines contains the M numbers that will be removed from the bag.

Format Output

Output with a format "Maximum number is X", where X is the maximum number in the bag. If no numbers in the bag, the application will give an output "Maximum number is -1"

Constraints

- 1 < N < 100
- $1 \le M \le N$
- 1 < numbers < 999

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Sample Input 1 (standard input)

10 3 5 3 4 2 5 3 5 1 2 2 4 3 5

Sample Output 1 (standard output)

Maximum number is 2

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Budi, Anto dan Hani sedang bermain permainan yang disebut Max Number. Budi akan meminta Anto untuk menyebutkan N buah angka untuk dimasukkan ke dalam suatu tas dan akan meminta Hani untuk menyebutkan M buah angka untuk dikeluarkan dari tas. Kemudian mereka akan mencari angka maksimum dari tas tersebut.

Jika sebuah angka dikeluarkan dari tas, SEMUA elemen yang bernilai sama dengan angka tersebut akan dikeluarkan dari tas.

Format Input

Baris pertama berisi dua buah bilangan bulat N menyatakan total angka yang akan dimasukkan ke dalam tas dan M menyatakan total angka yang ingin dikeluarkan dari dalam tas.

Baris kedua berisi N angka yang akan dimasukkan ke dalam tas.

Baris ketiga berisi M angka yang ingin dikeluarkan dari dalam tas.

Format Output

Output dengan format "Maximum number is X", dimana X adalah angka maksimum di dalam tas. Jika tidak ada angka di dalam tas, aplikasi akan memberikan output "Maximum number is -1"

Constraints

- $1 \le N \le 100$
- $1 \le M \le N$
- 1 < angka < 999

Sample Input 1 (standard input)

10 3 5 3 4 2 5 3 5 1 2 2 4 3 5

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Sample Output 1 (standard output)

Maximum number is 2



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