

# Sort Words

You are asked to make a program to sort a certain number of words (S). The user can determine how the words will be sorted in ascending or descending order.

#### Format Input

The first line of the input is a number N. Then, the next N lines are unsorted words S. Then, followed with X to determine the sort order.

### Format Output

The output for this problem is the list of sorted S words in ascending/descending order which corresponds to X's value. Don't forget to add a new line at the end.

- If X = 0, sort in ascending order. Otherwise,
- Sort in descending order.

#### Constraints

•  $1 \le N \le 1,000$ 



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## Sample Input 1 (standard input)

3	
jonathan albert	
albert	
sanyoto	
0	

## Sample Output 1 (standard output)

albert		
jonathan		
sanyoto		

# Sample Input 2 (standard input)

7		
Aether		
Lumine		
Amber		
Barbara		
Jean		
Kaeya		
Diluc		
123		

# Sample Output 2 (standard output)

Lumine	
Kaeya	
Jean	
Diluc	
Barbara	
Amber	
Aether	

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### Sort Words

Anda diminta untuk membuat program untuk mengurutkan kumpulan kata-kata S. User dapat menentukan bagaimana kata-kata tersebut diurutkan secara alfabet (a-z) dari terkecil ke terbesar maupun sebaliknya.

### Format Input

Baris pertama dari input akan diisi dengan angka N. Lalu, akan diisi dengan kata S sebanyak N kali. Kemudian, diakhiri oleh angka X untuk menentukan arah urutan kata-kata tersebut.

### Format Output

Output untuk soal ini adalah kata-kata S sebanyak N yang sudah diurutkan bergantung kepada nilai X. Jangan lupa untuk menambahkan baris baru di akhir.

- Jika X = 0, urutkan dari terkecil ke terbesar (A ke Z). Jika bukan,
- Urutkan dari terbesar ke terkecil (Z ke A).

#### Constraints

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