





▼ The first practical assignment

The first practical assignment **& Basics of Algorithm 2-99 &** classes **&** Home



Function

• Time limit: 1 second

• Memory limit: 256 MB

Give you two arrays A And B which are given in ascending order. A number like x Find the value of the above expression to be minimized:

$$\sum_{i\,\in\,A\,\cup\,B}i\,_ ext{-}\,x\mid$$

Important

If your algorithm of order $\log n$ Otherwise, only 50% of the marks will be awarded to you.

Input

In the first line of the input nCome. In the next two lines nThe number is the first line A and the second line BIs.

8	Questions	
40	Function	
60	intersection	
	All submissions	
	Final submissions	

Output

number x Print with exactly one decimal place.

Example

Sample input 1

```
5
1 12 15 26 38
2 13 17 30 45
```

Sample output 1

```
16.0
```

Sample input 2

```
5
1 3 5 11 17
9 10 11 13 14
```

Cample Author 2

οαπητ ι ς σατρατ Δ		
10.5		
	POST AN ANSWER TO THIS QUESTION	
		.The training period is over

Products	Sources	events	with Quera
Teaching programming	Quora blog	Kodak	Work with us
Recruitment ads	Programmers' salary calculator	skill up	contact us
Programming questions	Statistics of the programming world	Trainee exhibition	about us
Competitions	subscribe to newsletter	Tracey	Terms and Conditions
classes			Sponsorship of competitions
Employment platform			
Quera Jr			



