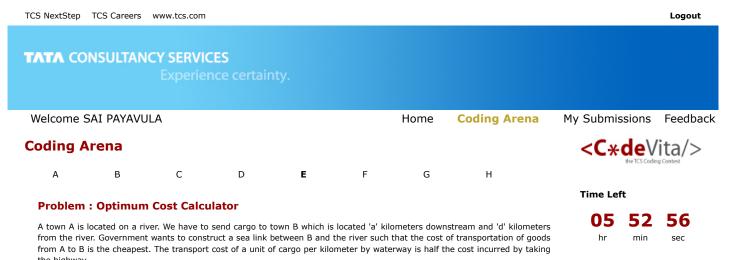
Rules & Regulations



Your task is to help the government find a point in the river from which to construct a highway to town B so that the government's objective of reducing transportation cost is achieved. More specifically, calculate the distance from town A where

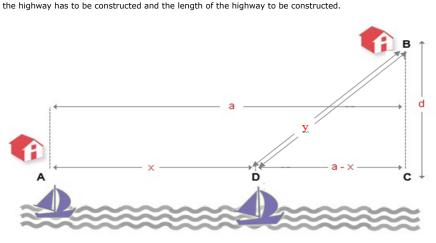


Fig:Sea link Planning

Input Format:

First line contains the distance between A and C along the river denoted 'a' Second line contains the distance between C and B along the road denoted by 'd' $^{\prime}$

Output Format:

Print the distance of the point in the river denoted by D from Town A. Print the length of the highway that needs to be built from D to B.

OR

Print "Invalid Input", if any constraint is violated

Constraints:

0 < a <= (57 * d)

0 < d <= (1.7 * a)

Calculations and printing of output should be done upto 11-digit precision

Sample Input and Output

SNo.	Input	Output	
1		X= 44.22649730810 Y= 11.54700538379	

2		X= 34.22649730810 Y= 11.54700538379
3	172 3	Invalid Input

Please do not use package and namespace in your code. For object oriented languages your code should be written in one

Participants submitting solutions in C language should not use functions from <conio.h> / / / / / / / / / / / / / / / / / / <p exist in gcc

Note:

For C and C++, return type of main() function should be int.

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Submit Answer

igspace I , **SAI PAYAVULA** confirm that the answer submitted is my own.







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