

1.1.2 Area of Rectangle :

A) Algorithm

- Step 1. Start
- Step 2. Read length (a) and width (b)
- Step 3. Compute area = $a \times b$
- Step 4. Display the area formatted to 2 decimal places
- Step 5. Stop

B) Python Code

```
a=float(input())
b=float(input())
area = a*b
print(f"{area:.2f}")
```

C) output

The screenshot displays a coding platform interface for a problem titled "1.1.2. Area of Rectangle". The problem description asks for a Python program to calculate the area of a rectangle given its length and width. The formula provided is $\text{Area of Rectangle} = \text{Length} \times \text{Width}$. The input format specifies two lines of float values for length and width. The output format requires the area to be printed as a float value formatted to 2 decimal places. Sample test cases are listed at the bottom left.

The code editor on the right shows the following Python code:

```
1 a=float(input())
2 b=float(input())
3 area=a*b
4 print(f"{area:.2f}")
5
```

The execution results show that the code passed all test cases. The average time is 0.011 s and the maximum time is 0.050 s. The output for the test cases is as follows:

Test Case	Expected output	Actual output
Test case 1	18.5	18.5
	5.2	5.2
	54.68	54.68
Test case 2		

D) flowchart

