

4RETO 10 MARATON

In times of comets, being noon, John raised a kite and released 'a' meters and the kite string was a 'x' meters above the floor; if in the course of 5 minutes Juan loosens others 'b' meters and the kite string is a 'y' meters from the floor, horizontal distance ("d") ran the kite in those five minutes?

[SPANISH VERSION](#)

Input

The entrance is composed 4 numbers, namely:

- 'a' in meters representing the initial length of the rope
- 'x' in meters representing the height of the kite achieved with the initial length of the rope
- 'b', in meters, this is the extra length of rope released in 5 minutes elapse
- "y" in meters is the height of the kite relative to the floor after releasing the 'b' meters of rope.

Output

the output is the distance 'd' covered horizontally by the comet in 5 minutes.

Example

Input:

10

5

5

10

Output:

2.52