Paint The Staircase

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You get home from class, and you find out your roommate has painted your entire staircase neon green! Since neon green is the worst color and neon yellow is the best color, you have decided to repaint the entire staircase neon yellow. Before you can paint the staircase, you need to figure out how much paint to buy.

Each stair on your staircase is exactly one foot high and W feet wide, and there are H stairs on the staircase. You want to paint the top and front of each step, as well as the sides of the staircase. How many square feet of paint do you need to paint the staircase?

TODO picture

Input Format

The input consists of a single line, which has two integers on it. The first is W, the width of each step, and the second is H, the number of steps in the staircase. W and H are both integers.

Constraints

$1 <= W <= 10$ $1 <= H <= 1000$

Output Format

Output a single integer, the number of square feet of paint you need to paint the staircase.

Sample Input 0

```
2 3
```

Sample Output 0

```
24
```

Sample Input 1

```
1 4
```

Sample Output 1

```
28
```