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A particle has initial velocity and constant acceleration. If its velocity after certain time is v then what will its displacement be in twice of that time?

Input

The input will contain two integers in each line. Each line makes one set of input. These two integers denote the value of v ($-100 \leq v \leq 100$) and t ($0 \leq t \leq 200$) (t means at the time the particle gains that velocity)

Output

For each line of input print a single integer in one line denoting the displacement in double of that time.

Example

Input:

```
0 0
5 12
```

Output:

```
0
120
```