Problem 4
New York Taxicabs

Taxicabs in New York have a complicated fare structure:

$2.50 for the first unit or fraction thereof if there is less than one total unit.
$0.40 for each additional unit, where a unit is defined as:

> 1/5th (or equivalently, 4/20th) of a mile when the taxicab is traveling at 6mph or faster
> OR
> 60 seconds (1 minute) when the taxicab is traveling slower than 6mph

Your job is to write a program that calculates and outputs the total fare.

Input

Input will consist of an array of integers where each element represents a single minute and the number of blocks traveled in that minute. There will be at least one and no more than 50 elements in this array and every element will be between 0 and 30 (inclusive).

Output

Acceptable output should consist of the total calculated fare (without the dollar sign).

Notes

- You should assume instant acceleration/deceleration between segments.
- There are 20 blocks in a mile (i.e. each block is 1/20th of a mile)
- There are 100 cents in a dollar.

Sample input

```
0
```

Sample output

```
2.50
```

You didn't go anywhere, but you still get charged $2.50 for getting into the cab.

Additional sample input

```
4 4
```

Additional sample output

```
2.90
```

You went 4 blocks (1/5th of a mile) the first minute, which cost you $2.50, and 4 blocks the second minute, which cost you $0.40 since your speed was greater than 6mph (your speed was 12mph…1/5 mile / 1/60 hour).

Additional sample input

```
10 2
```

Additional sample output

```
3.30
```