



# Problem H

## Kiwi Counting

Time limit: 1 second

*Wellington, New Zealand*

Due to a series of unfortunate mix-ups, the Actinidia Counting Machine (ACM), the Apteryx Counting Machine (ACM), and the Auckland Counting Machine (ACM) are all under maintenance. In the meantime, you have to count the fruit, the birds, and the New Zealanders yourself!

Fortunately, you've found out a few things about the population of kiwis you're counting. You know that

- Kiwis (the fruit) have no legs and no beaks each. The kiwis you are studying weigh 100 grams each.
- Kiwis (the bird) have two legs and one beak each. The kiwis you are studying weigh 2800 grams each.
- Kiwis (the humans) have two legs and no beaks each. The kiwis you are studying weigh 72000 grams each.

You've recorded the total number of legs and beaks you've seen. You've also recorded the total weight of all of your kiwis.

How many kiwis do you have?

### Input

On the first line are three space-separated integers  $L, B, W$  ( $0 \leq L, B, W \leq 1\,000\,000$ ) – the number of legs, the number of beaks, and the total weight in grams. It is guaranteed that there is exactly one amount of fruit, birds, and humans that would account for your observation.

### Output

On one line, print the total number of kiwis (that is, the sum of the numbers of fruits, birds, and humans).

#### Sample Input 1

6 2 77900
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#### Sample Output 1

6
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#### Sample Input 2

50 25 72000
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#### Sample Output 2

45
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