

## A. "Boats and ferries"

### Statement

The volcano of Pantelleria Island is erupting! Lost in the middle of the Mediterranean Sea, the only means of evacuating its citizens lies in its fleet of boats and ferries. However, the number of available ones may not be enough to carry all the residents out of danger, so the island mayor decided to call the IFPA (International Federation for Population Aid) super-heroines for help. Faster than any aircraft, only they will be able to save the rest of the endangered people! Yet they are very busy, thus the mayor has to give the super-heroines the exact number of people that they will have to rescue, to allow them to organize themselves as efficiently as possible.



Boat or ferry?

Knowing that a **ferry** can carry up to **500** people and a **boat** up to **4** people, help the mayor to determine the number of people that he will not be able to save with the island's fleet. In order to do this, he will provide you with the **number of people to rescue**, as well as the **number of available boats**  $b$  and **ferries**  $f$ .

### Input

On 3 separate lines :

- $p$  the number of people to rescue ( $0 \leq p \leq 10^6$ );
- $b$  the number of available boats ( $0 \leq b \leq 10^6$ );
- $f$  the number of available ferries ( $0 \leq f \leq 10^6$ ).

### Output

Print  $r$  the number of people that the super-heroines will have to rescue, that is the number of people that will not be able to board a boat or a ferry of the island.

*NB: If every person can be saved with the available means, this number will be 0.*

## Examples

Input	Output
700 10 1	160

Here, we have 10 boats and 1 ferry to rescue 700 people. We can rescue 500 people with the ferry and 40 people with the boats, that's why there will be 160 people who will not be able to board and who will thus need the help of the IFPA super-heroines.

Input	Output
1000 50 3	0

In this case, we need to rescue 1,000 people with 50 boats and 3 ferries. We can carry up to 1,500 people with the ferries alone, so the number of people to be rescued by the super-heroines is 0.