COCI '10 Contest 2 #1 Puž

Time limit: 0.1s **Memory limit:** 32M

There is a snail on the ground. It wants to climb to the top of a wooden pole with a height of V meters, measuring from the ground level. In one day it can climb A meters upwards, however during each night it sleeps, sliding B meters back down. Determine the number of days it needs to climb to the top.

Input Specification

The first and only line of input contains three integers separated by a single space: A, B, and V $(1 \leq B < A \leq V \leq 1\,000\,000\,000)$, with meanings described above.

Output Specification

The first and only line of output must contain the number of days that the snail needs to reach the top.

Sample Input 1

```
2 1 5
```

Sample Output 1

```
4
```

Sample Input 2

```
5 1 6
```

Sample Output 2

```
2
```

Sample Input 3

```
100 99 1000000000
```

Sample Output 3

```
999999901
```