

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

N. Katryoshka

time limit per test: 1 second🕒
memory limit per test: 256 megabytes
input: standard input
output: standard output

the Egyptian football team will be in Russia for the World Cup, of course, they all would like to buy souvenirs for their families. Luckily they met the king of souvenirs of the famous Russian souvenir Matryoshka; the king makes his masterpiece Katryoshka using different kinds of pieces: wooden eyes, wooden mouths, and wooden bodies. He can form a nice Katryoshka using one of the following ways:

- 1-Two eyes and a body.
- 2-Two eyes, mouth and a body.
- 3-Eye, mouth and a body.

If the king has n eyes, m mouths, and k bodies, what is the largest number of Katryoshkas that can be made by the king?

Input
One line contains 3 space separated integers n, m, k the number of eyes, mouths and bodies respectively. where $(0 \leq n, m, k \leq 10^{18})$.

Output
One integer which is the largest number of nice Katryoshka pieces.

Examples

input	Copy
1 2 3	
output	Copy
1	

input	Copy
0 11 2	
output	Copy
0	

input	Copy
90 24 89	
output	Copy
57	

Assiut University Training - Newcomers

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About Group



[Group website](#)

About Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

Sheet #10 (General Hard)

Finished

Practice

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About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the [link](#).