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# ATM

Problem Code: **HS08TEST**[Submit](#)

Pooja would like to withdraw  $X$  \$US from an ATM. The cash machine will only accept the transaction if  $X$  is a multiple of 5, and Pooja's account balance has enough cash to perform the withdrawal transaction (including bank charges). For each successful withdrawal the bank charges 0.50 \$US. Calculate Pooja's account balance after an attempted transaction.

## Input

Positive integer  $0 < X \leq 2000$  - the amount of cash which Pooja wishes to withdraw.

Nonnegative number  $0 \leq Y \leq 2000$  with two digits of precision - Pooja's initial account balance.

## Output

Output the account balance after the attempted transaction, given as a number with two digits of precision. If there is not enough money in the account to complete the transaction, output the current bank balance.

## Example - Successful Transaction

**Input :**

30 120.00

**Output :**

89.50

## Example - Incorrect Withdrawal Amount (not multiple of 5)

**Input :**

42 120.00

**Output :**

120.00

## Example - Insufficient Funds

**Input :**

300 120.00

**Output :**

120.00

All submissions for this problem are available.

Author: [u\\_admin\\_codechef\\_pw](#)

Editorial: <https://discuss.codechef.com/problems/HS08TEST>

Tags: [cakewalk](#), [conditional-statement](#), [datatypes](#), [u\\_admin\\_codechef\\_pw](#)

Date Added: 1-12-2008

Time Limit: 0.2 secs

Source Limit: 50000 Bytes

Languages: CPP14, C, JAVA, PYTH 3.6, PYTH, CS2, ADA, PYPY, PYP3, TEXT, CPP17, PAS fpc, RUBY, PHP, NODEJS, GO, TCL, HASK, PERL, SCALA, kotlin, BASH, JS, PAS gpc, BF, LISP sbcl, CLOJ, LUA, D, R, CAML, rust, ASM, FORT, FS, LISP clisp, SQL, swift, SCM guile, PERL6, CLPS, WSPC, ERL, ICK, NICE, PRLG, ICON, PIKE, COB, SCM chicken, SCM qobi, ST, NEM, SQLQ

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CodeChef was created as a platform to help programmers make it big in the world of **algorithms**, **computer programming**, and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and two smaller programming challenges at the middle and end of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

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