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ATM

Problem Code: **HS08TEST**

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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

Author: [admin](#)Editorial: <http://discuss.codechef.com/problems/HS08TEST>Tags: [admin](#), [cakewalk](#), [conditions](#), [datatypes](#), [input](#)

Date Added: 1-12-2008

Time Limit: 0.2 secs

Source Limit: 50000 Bytes

Languages: C, CPP14, JAVA, PYTH, PYTH 3.6, CS2, PAS fpc, PAS gpc, RUBY, PHP, GO, NODEJS, HASK, SCALA, D, PERL, FORT, WSPC, ADA, CAML, BF, ASM, CLPS, PRLG, ICON, SCM qobi, PIKE, ST, NICE, LUA, BASH, NEM, LISP sbcl, LISP clisp, SCM guile, JS, PYP3

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