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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 <= 2000 - the amount of cash which Pooja wishes to withdraw.

Nonnegative number 0<= Y <= 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: u_admin_codechef_pw (/users/u_admin_codechef_pw)

Editorial:	
Tags:	Tags are hidden. Show temporarily
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Problem level:	Cakewalk
Date Added:	1-12-2008
Time Limit:	0.2 secs
Source Limit:	50000 Bytes
Languages:	CPP14, C, JAVA, PYTH 3.6, CPP17, PYTH, PYP3, CS2, ADA, PYPY, TEXT, PAS fpc, NODEJS, RUBY, PHP, GO, HASK, TCL, PERL, SCALA, LUA, kotlin, BASH, JS, LISP sbcl, rust, PAS gpc, BF, CLOJ, R, D, CAML, FORT, ASM, swift, FS, WSPC, LISP clisp, SQL, SCM guile, PERL6, ERL, CLPS, ICK, NICE, PRLG, ICON, COB, SCM chicken, PIKE, SCM qobi, ST, SQLQ, NEM

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