

ATM

PROBLEM :

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

EXECUTION TIME LIMIT : 0.2 SEC

SOURCE CODE LIMIT : 5000 BYTES

~ Happy Coding ~