Practice Arena

Practice problems aimed to improve your coding skills.

- PRACTICE-02_SCAN-PRINT
- PRACTICE-03_TYPES
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  - Neat Date Format
  - Clock Mirror Time
  - Spy Games
  - Factorial
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- LAB-PRAC-01
- PRACTICE-04_COND
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- LAB-PRAC-03_TYPES
- PRACTICE-05_COND-LOOPS
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- LABEXAM-PRAC-01_MIDSEM
- PRACTICE-09_PTR-MAT
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- LABEXAM-PRAC-02_ENDSEM
- LAB-PRAC-13_STRUC-NUM
- LAB-PRAC-14_SORT-MISC

Spy Games

PRACTICE-03_TYPES

You and your friend want to exchange a secret 3 digit pin number but do not want anyone else to find out. The way you do this is you devise a secret single digit number between 0 and 5 which we will call a shift. Suppose the secret pin is 179 and the shift is 5. Then you do the following

1. Take the first digit 1. Add the shift 5 to it to get a new first digit 6.
2. Take the second digit 7. Add the shift 5 to it to get 12. Since this is a two digit number, take the last digit 2 as the new second digit.
3. Take the third digit 9. Add the shift 5 to it to get 14. Since this is a two digit number, take the last digit 4 as the new third digit.

So we get a new number 624 which we will call an "encrypted" number which you and your friend communicate to each other. Write a program to take this encrypted number 624 and the shift, and print the original secret number 179. Be careful that some of the digits in the original or the encrypted pin may be zero. Also be careful that the shift is between 0 and 5.

EXAMPLE
INPUT
624 5
OUTPUT
179

🍴 Start Solving! (/editor/practice/5946)