

2019-2020		Contest #1		
	Junior Division - Number Transformation			

PROBLEM: Given a positive integer (call it N), a position in that integer (call it P), and a transition integer (call it D). Transform N as follows:

- If the P^{th} digit of N from the right is from 0 to 4, add D to it. Replace the P^{th} digit by the units digit of the sum. Then, replace all digits to the right of the P^{th} digit by 0.
- If the P^{th} digit of N from the right is from 5 to 9, subtract D from it. Replace the P^{th} digit by the leftmost digit of the absolute value of the difference. Then, replace all digits to the right of the P^{th} digit by 0.

Example 1: N = 7145032, P = 2, D = 8. The 2^{nd} digit from the right is 3; add 8 to it (3+8=11), and replace the 3 with 1 to get 7145012. Replace the digits to the right by 0s to get 7145010.

Example 2: N = 1540670, P = 3, D = 54. The 3^{rd} digit from the right is 6; the absolute value of 6-54 is 48; replace with the 4 to get 1540470. Replace the digits to the right with 0s to get 1540400.

INPUT: There will be 5 sets of data. Each set contains 3 positive integers: N, P, and D. N will be less than 10^{15} ; P and D will be valid inputs. No input will cause an output to have a leading digit of 0.

OUTPUT: Print the transformed number. The printed number may not have any spaces between the digits.

SAMPLE INPUT:

124987 2 3

540670 3 9

7145042 2 8

124987 2 523

4386709 1 2

SAMPLE OUTPUT:

- 1. 124950
- 2. 540300
- 3. 7145020
- 4. 124950
- 5. 4386707



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TEST DATA

TEST INPUT: 4318762 4 3 72431685 1 7 123456789 7 8 9876543210 10 25 314159265358 8 428



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PROBLEM (问题): 给定一个正整数(记作N),该整数中的一个位置(记为P)和一个转换整数(记作D),数N的变换规则如下:

- 从数N 右边开始数,如果第P 个数字是属于0到4(包括0和4)的数字,那么将第P 个位置上的数字加上D,用它们的和的个位数字替换数N中第P 个位置上原来的数字。然后将第P 个数字右边的所有数字都替换成0。
- 从数N右边开始数,如果第P个数字是属于5到9(包括5和9)的数字,那么将第P个位置上的数字减去D,用它们的差的绝对值最左边的数字替换数N中第P个位置上原来的数字。然后将第P个数字右边的所有数字都替换成0。

Example 1 (示例1): N = 7145032, P = 2, D = 8。从右边数第2个数字是3; 加上8为(3+8=11), 用1替换3得到 7145012。最后用0替换第P个数字右边的数字后得到 7145010。

Example 2 (示例2):N = 1540670, P = 3, D = 54。从右边数第3个数字是6; 减去54为(6-54得到的绝对值为48),用4替换6得到1540470。最后用0替换第P个数字右边的数字后得到1540400。

INPUT(输入):—共有5组数据。每一组数据包括3个正整数: N,P 和D。N将会小于10¹⁵; P 和D都会是有效的输入值。输入值不会导致输出值产生前导0。

OUTPUT (输出):输出变换后的数字。输出的每组整数各个数字之间不允许有空格。

SAMPLE INPUT (示例输入):

124987 2 3

540670 3 9

7145042 2 8

124987 2 523

4386709 1 2

SAMPLE OUTPUT (示例输出):

- 1. 124950
- 2. 540300
- 3. 7145020
- 4. 124950
- 5. 4386707



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TEST DATA

测试数据

TEST INPUT (测试输入):

4318762 4 3 72431685 1 7 123456789 7 8 9876543210 10 25 314159265358 8 428