N = input("INPUT: Input a number (N), followed by its position (P), and then its transform number (D). ")
N_1 = input("INPUT: Input a number (N), followed by its position (P), and then its transform number (D). ")
N_2 = input("INPUT: Input a number (N), followed by its position (P), and then its transform number (D). ")
N_3 = input("INPUT: Input a number (N), followed by its position (P), and then its transform number (D). ")
N_4 = input("INPUT: Input a number (N), followed by its position (P), and then its transform number (D). ")

list = []
list.append(N)
list.append(N_1)
list.append(N_2)
list.append(N_3)
list.append(N_4)

for i in list:
    if i.find(" ") != -1:
        L = i.split(" ")
    elif i.find(" ,") != -1:
        L = i.split(" ,")
    else:
        print("Invalid entry. Please try again")
        break

D = int(L[2])
P = int(L[1])
i = L[0]
new_string = ''
x = int(i[-P])
if 0 <= x <= 4:
    s = x + D
    s_2 = str(s)
    x_3 = s_2[-1]
y = int(x_3)
z = i[:-P]
r = len(z)
zero_string = ''
for p in range(P - 1):
    zero_string = zero_string + '0'
a = i[-P - 1:]
new_string = z + str(y) + zero_string
else:
    s = abs(x - D)
s_2 = str(s)
x_3 = s_2[0]
y = int(x_3)
z = i[::-P]
zero_string = ''
for p in range (P - 1):
    zero_string = zero_string + '0'
a = i[-P-1:]
new_string = z + str(y) + zero_string

print("OUTPUT: " + new_string)

# Dheethya_B_CompSciPrep_c1_201920_NumTransform
# Written by Dheethya Balaji, Grade 6