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1 # Name: Angelika Wang
2 # Team: We Sense
3 # Intermediate Division
4 # ACSL Contest #1
5 # Date of Program: 12/14/2019
6 # Grade: 8th
7 # Language: Python
8 # Input Data Method: Manual, enter input one by one
9
10 for loop in range(0,5):
11     number = input()
12     number = number.split(' ')
13     N = list(number[0])
14     pos = int(number[-1])
15     pos = len(N)-pos
16     P = int(N[pos])
17     # print('P:',P,'N:',N,'pos:',pos)
18
19     for x in range(0, pos):
20         N[x]=str(int(N[x])+P)
21         if len(list(N[x]))>1:
22             num = list(N[x])
23             N[x]=num[-1]
24     # print('before:',N)
25
26     for y in range(pos+1,len(N)):
27         N[y]=str(abs(int(N[y])-P))
28         if len(list(N[y]))>1:
29             num = list(N[y])
30             N[y]=num[-1]
31     # print('After:',N)
32
33     print(int(''.join(N)))
```