Problem:

Beautiful Days At the Movies

**Sample Input**

20 23 6

**Sample Output**

2

Program:

# 20 23 6

# o/p

# 2

ijk = input().split()

startingDay = int(ijk[0])

endingDay = int(ijk[1])

div = int(ijk[2])

n = (endingDay - startingDay) + 1

# print(n)

listOfDay = []

finalListOfBeautifilDays = []

count =0

for i in range(n):

    if i == 0:

        listOfDay.append(startingDay)

    else:

        startingDay = startingDay + 1

        listOfDay.append(startingDay)

# print(listOfDay)

def reverseInt(n):

    rev = 0

    while(n > 0):

        a = n % 10

        rev = rev \* 10 + a

        n = n // 10

    return(rev)

for i in range(n):

    result = abs(listOfDay[i] - reverseInt(listOfDay[i])) / div

    finalListOfBeautifilDays.append(result)

# print(finalListOfBeautifilDays)

for i in range(len(finalListOfBeautifilDays)):

    if finalListOfBeautifilDays[i]  % 1 == 0:

        count=count + 1

print(count)