**Recursive Digit Sum**

#!/bin/python3

import math

import os

import random

import re

import sys

# Complete the superDigit function below.

def superDigit(n,k):

x=(n\*k)%9

if x==0:

return 9

else:

return x

if \_\_name\_\_ == '\_\_main\_\_':

fptr = open(os.environ['OUTPUT\_PATH'], 'w')

nk = input().split()

n = nk[0]

k = int(nk[1])

result = superDigit(int(n), int(k))

fptr.write(str(result) + '\n')

fptr.close()

