A certain position of number

Problem link <https://www.acwing.com/problem/content/52/>

Ref link: http://xiaoxiaoyue.me/2018/02/22/【剑指Offer】面试题44：数字序列中某一位的数字/

class Solution(object):

def digitAtIndex(self, n):

"""

:type n: int

:rtype: int

"""

a,b = 9,1

npre=n

n-=1

count = 1

while n-a\*b>0:

npre = n

n-=a\*b

count+=1

a\*=10

b+=1

pos = n%count

s = str(int(n/count)+10\*\*(count-1))

#print pos,s,count,n,a,b

return s[pos]