2. Write a program to check the given no is Armstrong or not using recursive function.

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Program:
 def count digits(n):
   if n==0:
     return 0
   return 1+count digits(n//10)
 def is armstrong recursive(n,num digits):
   if n==0:
     return 0
return(n%10)**num_digits+is_armstrong recursive(n//
10, num digits)
 def is armstrong(n):
   num digits=count digits(n)
   return n==is armstrong recursive(n,num digits)
 num=141
 if is armstrong(num):
   print(num,"is a armstrong number")
 else:
   print(num,"not a armstrong number")
 Ouput:
```

Time complexity: f(n)=O(logn^2)