```
1 lower=104200
 2 upper=702648265
 3 for num in range(lower, upper):
       order=len(str(num))
 4
 5
       sum=0
 6
       temp=num
 7
       while temp>0:
           digit = temp%10
 8
           sum += digit ** order
 9
           temp//=10
10
           if num == sum:
11
               print(num)
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```