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In [*]: lower=1042000
upper=702648265
for num in range(lower,upper+1):
    order=len(str(num))
    sum=0
    temp=num
    while temp>0:
        digit=temp%10
        sum += digit **order
        temp//=10
    if num == sum:
        print(num)
```

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1741725
2097280
2097281
3278756
4210818
4782969
4861095
```

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In [ ]:
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In [ ]:
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In [ ]:
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