```python
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)
        break
```

1741725