```python
import math

result = []

for i in range(10, 2540161):

        num = i

        sum1 = 0


        while (i> 0):

                j = i % 10

                sum1 = sum1 + math.factorial(j)

                i = i // 10

        if(sum1 == num):

                result.append(num)


print ("curious numbers are:" , result , len(result) )

for m in range(1, len(result)+1):

        sumC = sum(result)


print(sumC)
```