

```
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("The first armtsong number is:", num)
        break
```

Output:

The first armtsong number is: 1741725