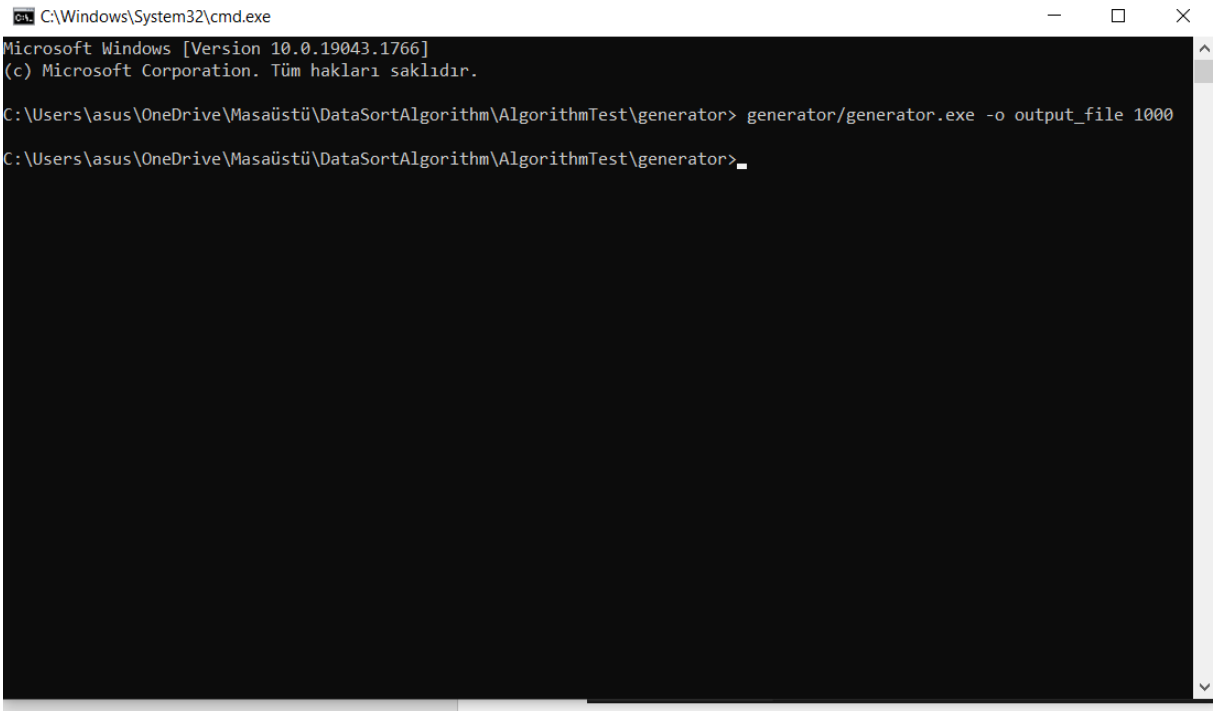
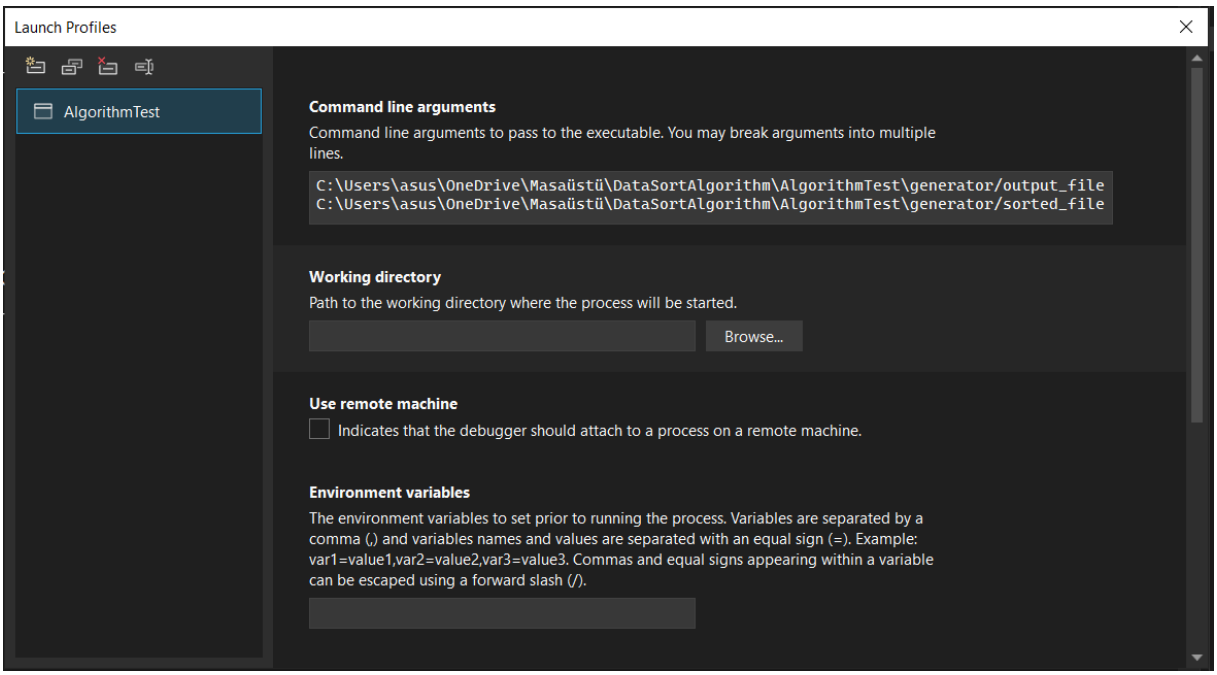
I created a file named output_file with using generator.exe



I gave the file paths to Args[0] and Args[1]

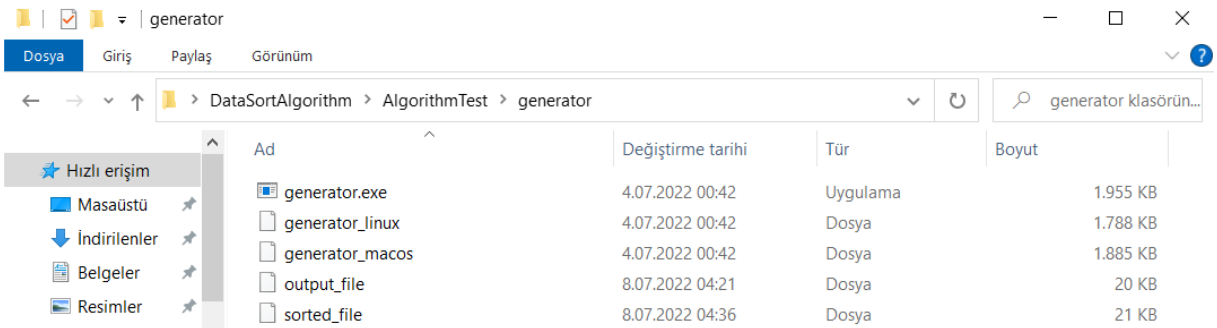


And then I started to coding in Sorter class. I defined a variable named lineList which let me acces to the output_file(string inputPath) and I created a ulong list numberList.

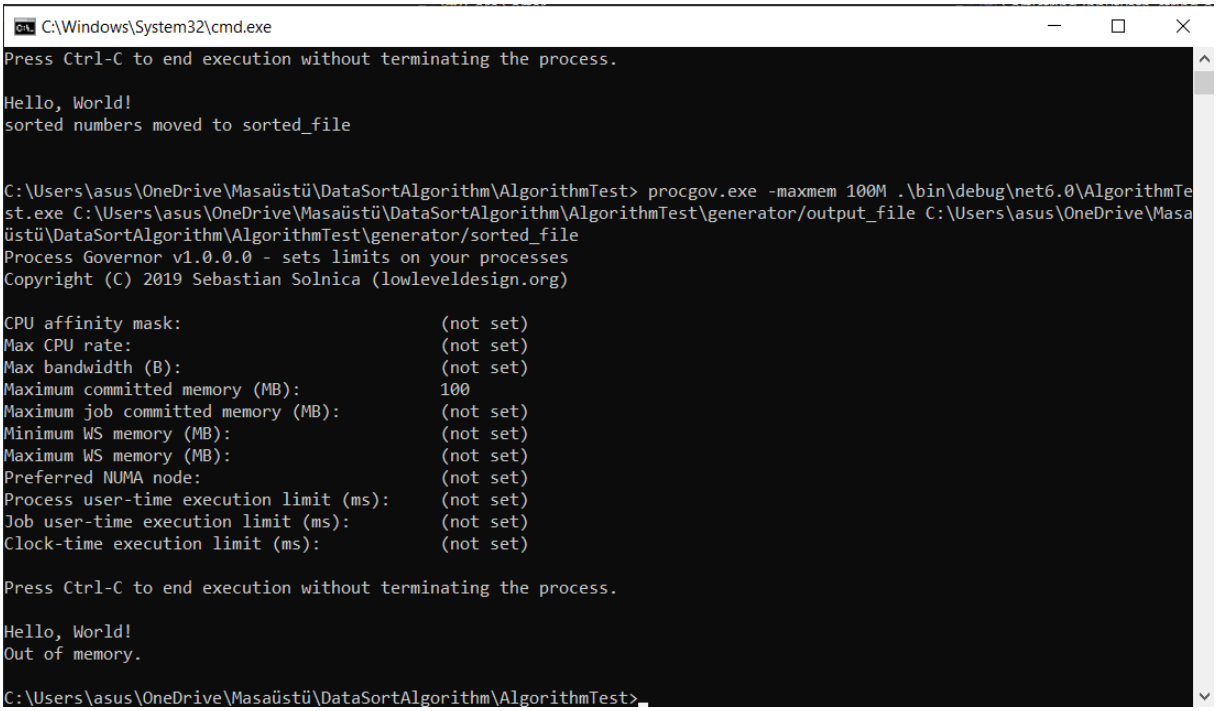
I wrote a foreach loop on lineList and convert all the data to Uint64 and add them into numberlist. Then I created a for loop(bubble sorting algorithm) for sorting all the data inside of numberList. After that I defined a string list named sortedList(carrying sorted numbers in string form) and wrote it on output_path(sorted_file).

```
namespace Core
{
    1 reference
    public class Sorter
    {
        1 reference
        public void Sort(string inputPath, string outputPath)
        {
            //  Code here
            var lineList = File.ReadLines(inputPath);
            List<ulong> numberList = new List<ulong>();
            foreach (var item in lineList)
            {
                numberList.Add(Convert.ToUInt64(item));
            }
            ulong temp;
            for (int j = 0; j <= numberList.Count - 2; j++)
            {
                for (int i = 0; i <= numberList.Count - 2; i++)
                {
                    if (numberList[i] > numberList[i + 1])
                    {
                        temp = numberList[i + 1];
                        numberList[i + 1] = numberList[i];
                        numberList[i] = temp;
                    }
                }
            }
            var sortedList = new List<string>();
            numberList.ForEach(x => sortedList.Add(x.ToString()));
            File.WriteAllLines(outputPath, sortedList);
            Console.WriteLine("sorted numbers moved to sorted_file");
        }
    }
}
```

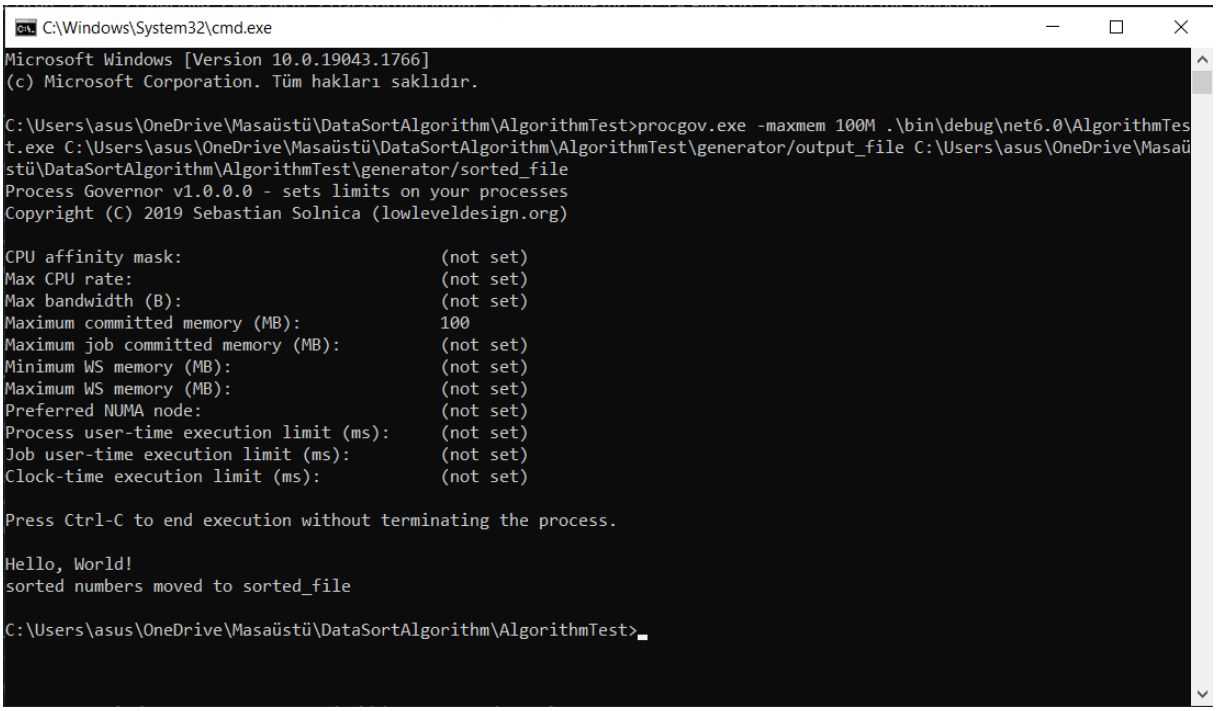
It’s after when I run the program. I’m still wondering why sorted_file is 21 kb(output_file has 1000 lines of number it’s equal to 20kb).

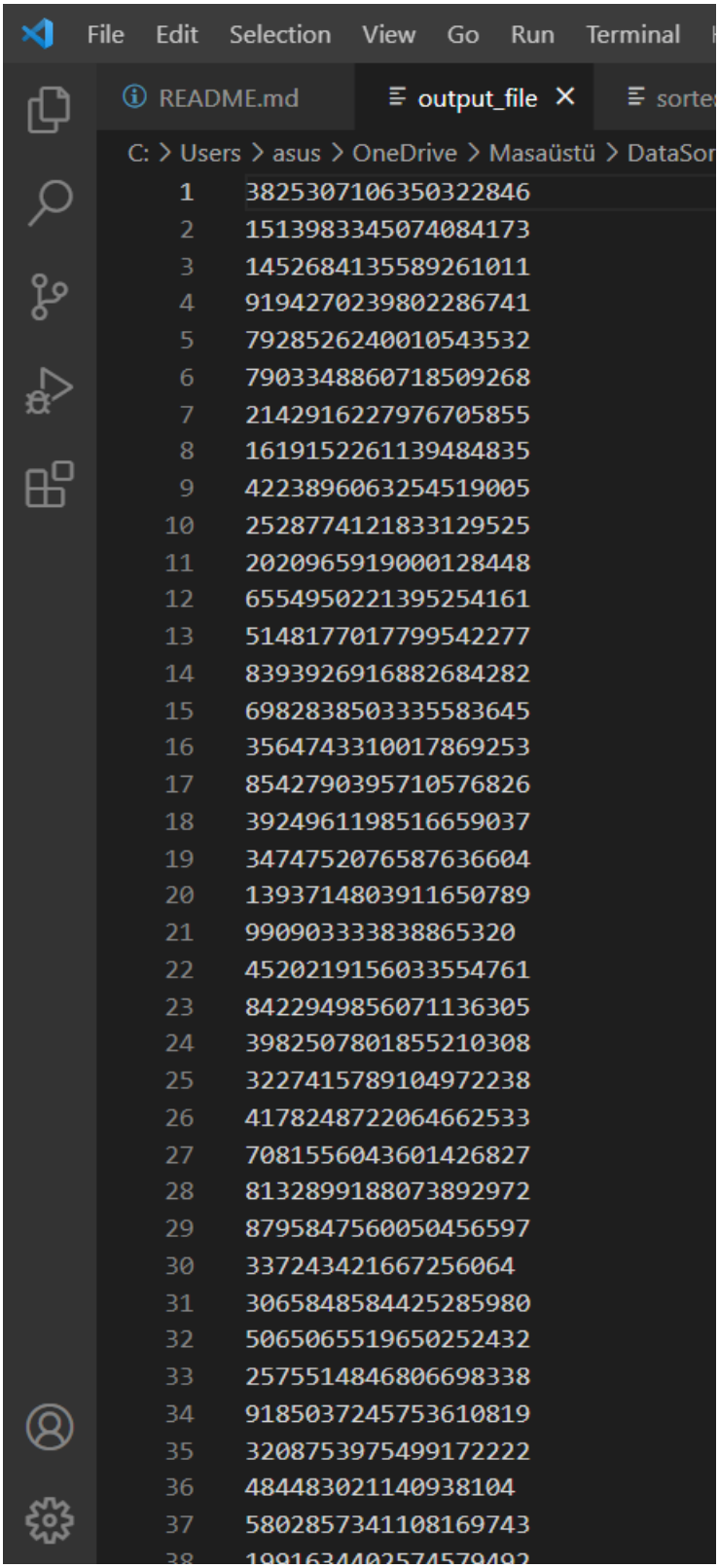


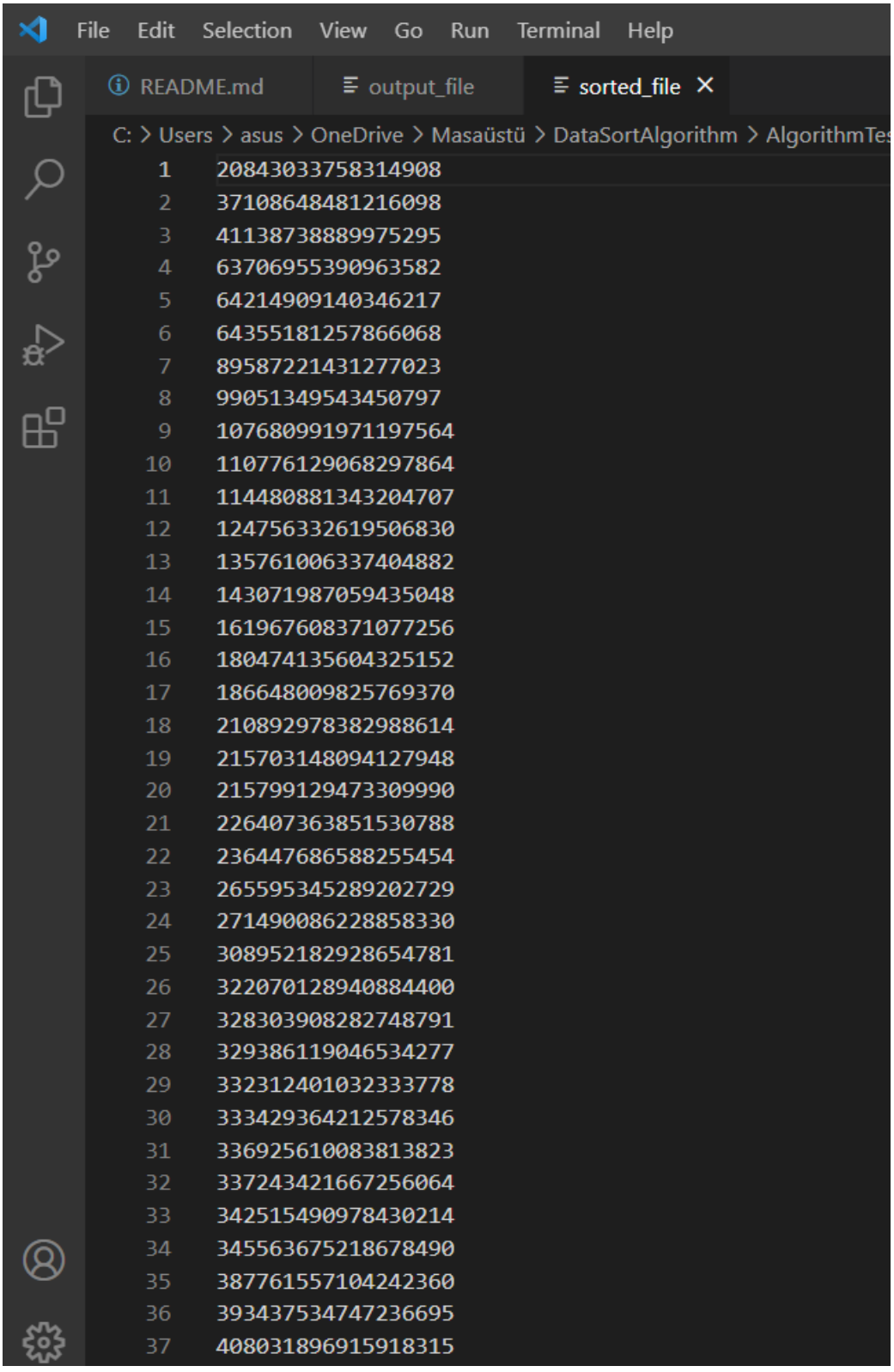
When output_path has more size than 100mb, this is the error I saw. “Out of memory”.



And this is the message when it has less size than 100mb,




File Edit Selection View Go Run Terminal
README.md
output_file
C: > Users > asus > OneDrive > Masaüstü > DataSor
1 3825307106350322846
2 1513983345074084173
3 1452684135589261011
4 9194270239802286741
5 7928526240010543532
6 7903348860718509268
7 2142916227976705855
8 1619152261139484835
9 4223896063254519005
10 2528774121833129525
11 2020965919000128448
12 6554950221395254161
13 5148177017799542277
14 8393926916882684282
15 6982838503335583645
16 3564743310017869253
17 8542790395710576826
18 3924961198516659037
19 3474752076587636604
20 1393714803911650789
21 9909033338838865320
22 4520219156033554761
23 8422949856071136305
24 3982507801855210308
25 3227415789104972238
26 4178248722064662533
27 7081556043601426827
28 8132899188073892972
29 8795847560050456597
30 337243421667256064
31 3065848584425285980
32 5065065519650252432
33 2575514846806698338
34 9185037245753610819
35 3208753975499172222
36 484483021140938104
37 5802857341108169743


File Edit Selection View Go Run Terminal Help
README.md
output_file
sorted_file
C: > Users > asus > OneDrive > Masaüstü > DataSortAlgorithm > AlgorithmTes
1 20843033758314908
2 37108648481216098
3 41138738889975295
4 63706955390963582
5 64214909140346217
6 64355181257866068
7 89587221431277023
8 99051349543450797
9 107680991971197564
10 110776129068297864
11 114480881343204707
12 124756332619506830
13 135761006337404882
14 143071987059435048
15 161967608371077256
16 180474135604325152
17 186648009825769370
18 210892978382988614
19 215703148094127948
20 215799129473309990
21 226407363851530788
22 236447686588255454
23 265595345289202729
24 271490086228858330
25 308952182928654781
26 322070128940884400
27 328303908282748791
28 329386119046534277
29 332312401032333778
30 333429364212578346
31 336925610083813823
32 337243421667256064
33 342515490978430214
34 345563675218678490
35 387761557104242360
36 393437534747236695
37 408031896915918315