```
 1 C:\Users\athar\AppData\Local\Programs\Python\
   Python311\python.exe A:\Projects\Group66_AoA\
   CSCI570_Project_Minimum\plot.py
 2
 3 ===========================================================
   ===========================
 4 DATA SUMMARY (sorted by problem size)
 5 ===========================================================
   ===========================
 6 Index     Size          Basic Time      Eff Time
           Basic Mem       Eff Mem
 7 -----------------------------------------------------------
   ---------------------------
 8 1         10×10         0.00            0.00
              40548           40780
 9 2         48×48         0.00            0.00
              40592           40788
10 3         90×90         1.00            2.01
              40712           40796
11 4         224×224       4.17            6.69
              41168           40808
12 5         320×320       11.62           17.50
              41824           40808
13 6         337×337       12.41           28.05
              42016           40820
14 7         460×460       29.82           65.69
              41352           40832
15 8         648×648       56.13           122.78
              42084           40852
16 9         909×909       95.30           191.03
              41352           40868
17 10        1024×1024     137.17          277.90
              42016           40928
18 11        1253×1253     245.02          510.95
              40876           40972
19 12        1812×1812     386.87          806.90
              41340           40996
20 13        2149×2149     757.76          1503.77
              41556           41204
21 14        2524×2524     949.56          1973.80
              42588           41296
```

```
22 15          2560×2560    557.58               1114.02
              41768          41056
23 =========================================================
   ==========================
24
25 ✓ All costs match between basic and efficient
   versions
26
27 =========================================================
   ==========================
28 PERFORMANCE STATISTICS
29 =========================================================
   ==========================
30 Average Basic Time:      216.30 ms
31 Average Efficient Time:  441.40 ms
32 Time Ratio (Eff/Basic):  2.04x
33
34 Average Basic Memory:     41453 KB
35 Average Efficient Memory:40920 KB
36 Memory Ratio (Eff/Basic):0.99x
37 Memory Saved:            533 KB (1.3%)
38 =========================================================
   ==========================
39
40
41 Process finished with exit code 0
42
```