Results of calculations for numbers in IEEE 754 standard and NPAt format

Comparative results of summing signed decimal numbers according to the standard IEEE 754 algorithm and summation in NPAt format.

The terminal screenshots show the output data obtained using the demonstration algorithm npap-algorithm.cpp

1. Sum of x_1 = -0.89382715639 with 999999 additions of x_2 = 0.7878271567

Microsoft Visual Studio Debu

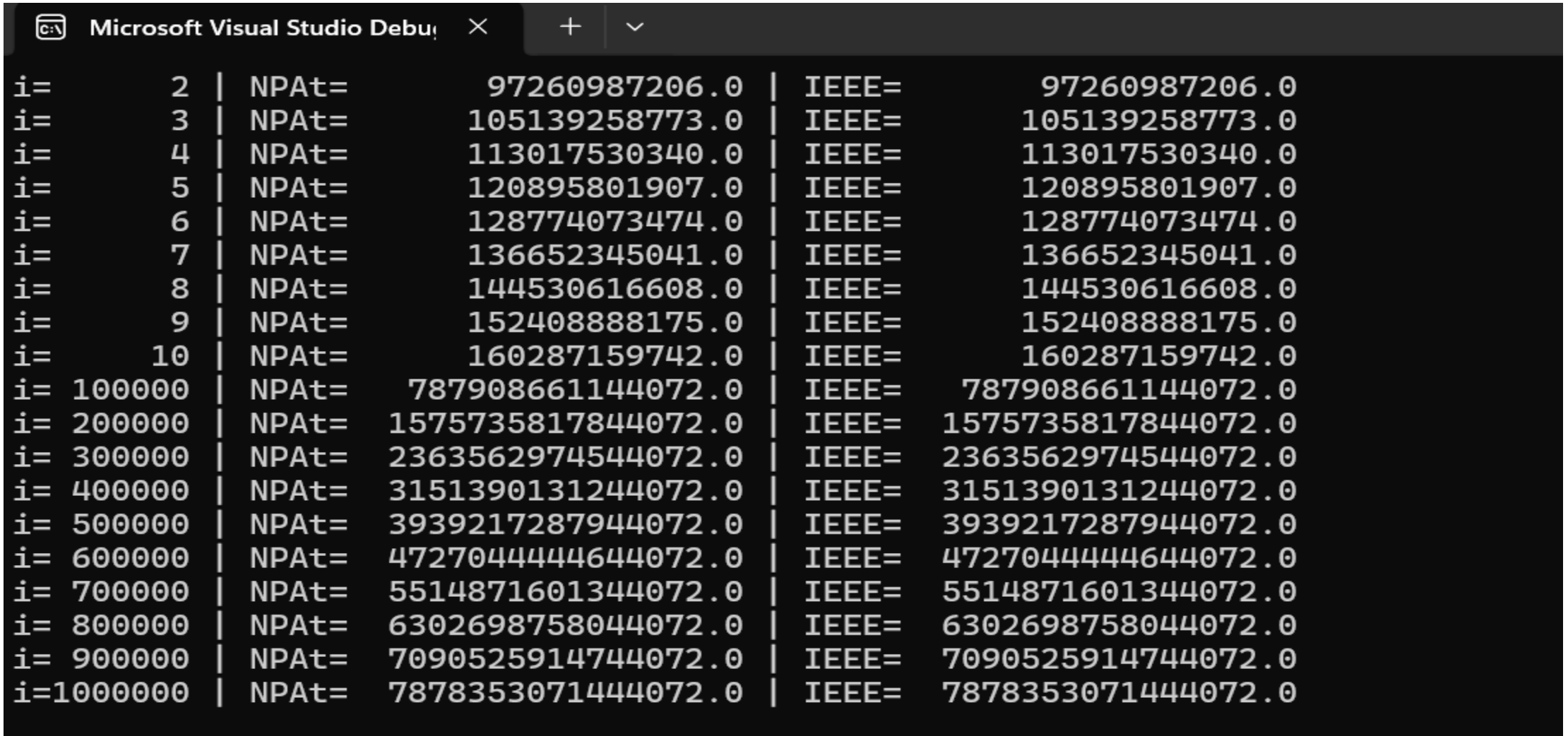
```
i=      2 | NPAt=       -0.10599999968999995747509501597960480 | IEEE=       -0.10599999968999995747509501597960480
i=      3 | NPAt=        0.68182715701000007335608188441256061 | IEEE=        0.68182715701000007335608188441256061
i=      4 | NPAt=        1.46965431371000021520956124732038006 | IEEE=        1.46965431370999999316495632228907198
i=      5 | NPAt=        2.25748147041000013501843568519689143 | IEEE=        2.25748147041000013501843568519689143
i=      6 | NPAt=        3.04530862711000027687191504810471088 | IEEE=        3.04530862711000027687191504810471088
i=      7 | NPAt=        3.83313578381000041872539441101253033 | IEEE=        3.83313578381000041872539441101253033
i=      8 | NPAt=        4.62096294051000011648966392385773361 | IEEE=        4.62096294051000011648966392385773361
i=      9 | NPAt=        5.40879009720999981425393343670293689 | IEEE=        5.40879009720999981425393343670293689
i=     10 | NPAt=        6.19661725390999951201820294954814017 | IEEE=        6.19661725390999951201820294954814017
i= 100000 | NPAt=    78781.034015806450042873620986938476562500 | IEEE=    78781.034015806450042873620986938476562500
i= 200000 | NPAt=   157563.749685557704651728272438049316406250 | IEEE=   157563.749685557704651728272438049316406250
i= 300000 | NPAt=   236346.465354343090439215302467346191406250 | IEEE=   236346.465354343090439215302467346191406250
i= 400000 | NPAt=   315129.181025085854344069957733154296875000 | IEEE=   315129.181025085854344069957733154296875000
i= 500000 | NPAt=   393911.896696781623177230358123779296875000 | IEEE=   393911.896696781623177230358123779296875000
i= 600000 | NPAt=   472694.612368477392010390758514404296875000 | IEEE=   472694.612368477392010390758514404296875000
i= 700000 | NPAt=   551477.328040173160843551158905029296875000 | IEEE=   551477.328040173160843551158905029296875000
i= 800000 | NPAt=   630260.043711868929676711559295654296875000 | IEEE=   630260.043711868929676711559295654296875000
i= 900000 | NPAt=   709042.759383564698509871959686279296875000 | IEEE=   709042.759383564698509871959686279296875000
i=1000000 | NPAt=   787825.475055260467343032360076904296875000 | IEEE=   787825.475055260467343032360076904296875000
```

2. Sum of x_1 = 0.89382715639 with 999999 additions of x_2 = 0.7878271567

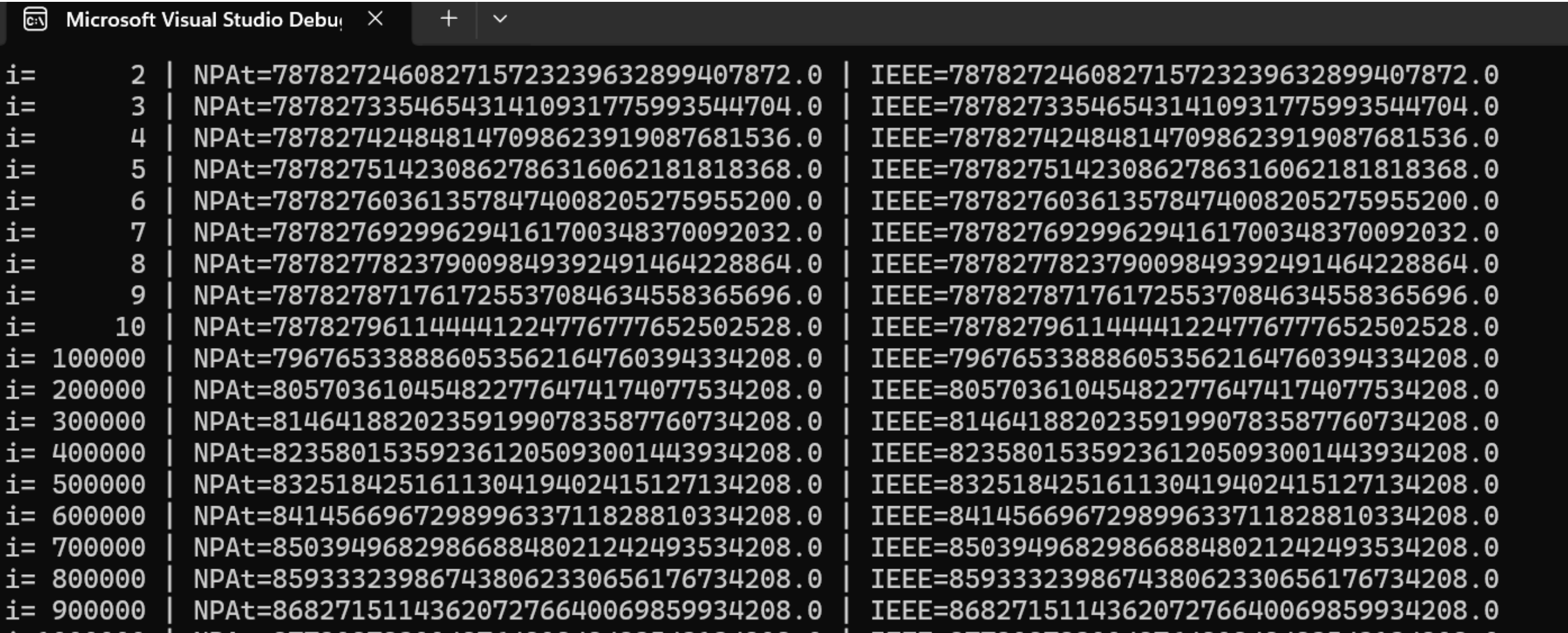
Microsoft Visual Studio Debu

```
i=      2 | NPAt=         1.68165431309000013015975127927958965 | IEEE=         1.68165431309000013015975127927958965
i=      3 | NPAt=         2.46948146979000027201323064218740910 | IEEE=         2.46948146979000027201323064218740910
i=      4 | NPAt=         3.25730862649000041386671000509522855 | IEEE=         3.25730862649000041386671000509522855
i=      5 | NPAt=         4.04513578319000011163097951794043183 | IEEE=         4.04513578319000011163097951794043183
i=      6 | NPAt=         4.83296293988999980939524903078563511 | IEEE=         4.83296293988999980939524903078563511
i=      7 | NPAt=         5.62079009658999950715951854363083839 | IEEE=         5.62079009658999950715951854363083839
i=      8 | NPAt=         6.40861725328999920492378805647604167 | IEEE=         6.40861725328999920492378805647604167
i=      9 | NPAt=         7.19644440998999890268805756932124496 | IEEE=         7.19644440998999890268805756932124496
i=     10 | NPAt=         7.98427156668999860045232708216644824 | IEEE=         7.98427156668999860045232708216644824
i= 100000 | NPAt=     78782.82167011922865640372037887573242188 | IEEE=     78782.82167011922865640372037887573242188
i= 200000 | NPAt=    157565.53733987043960951268672943115234375 | IEEE=    157565.53733987043960951268672943115234375
i= 300000 | NPAt=    236348.25300865582539699971675872802734375 | IEEE=    236348.25300865582539699971675872802734375
i= 400000 | NPAt=    315130.96867939864750951528549194335937500 | IEEE=    315130.96867939864750951528549194335937500
i= 500000 | NPAt=    393913.68435109441634267568588256835937500 | IEEE=    393913.68435109441634267568588256835937500
i= 600000 | NPAt=    472696.40002279018517583608627319335937500 | IEEE=    472696.40002279018517583608627319335937500
i= 700000 | NPAt=    551479.11569448595400899648666381835937500 | IEEE=    551479.11569448595400899648666381835937500
i= 800000 | NPAt=    630261.83136618172284215688705444335937500 | IEEE=    630261.83136618172284215688705444335937500
i= 900000 | NPAt=    709044.54703787749167531728744506835937500 | IEEE=    709044.54703787749167531728744506835937500
i=1000000 | NPAt=    787827.26270957326050847768783569335937500 | IEEE=    787827.26270957326050847768783569335937500
```

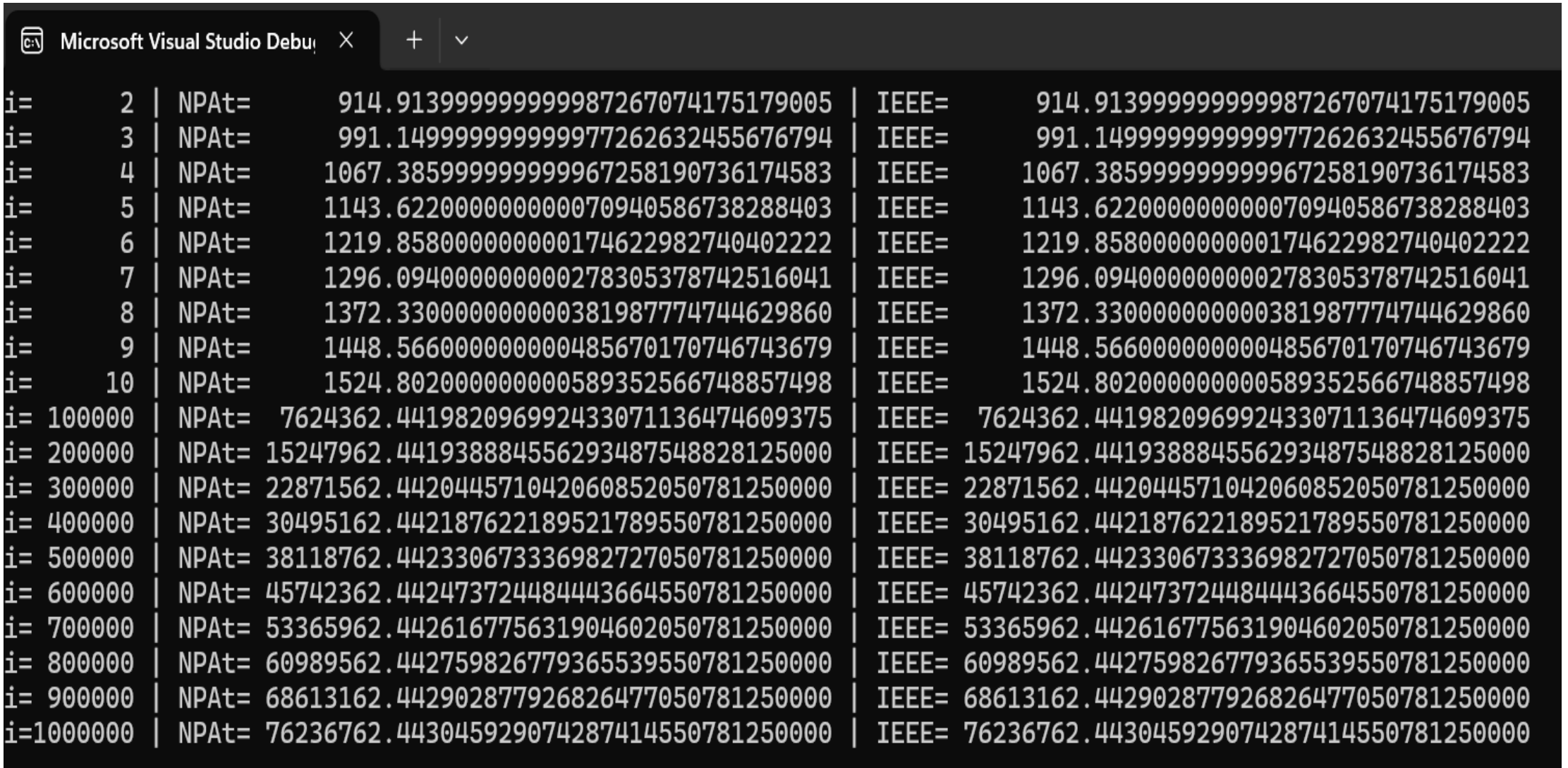
3. Sum of x_1 = 89382715639 with 999999 additions of x_2 = 7878271567



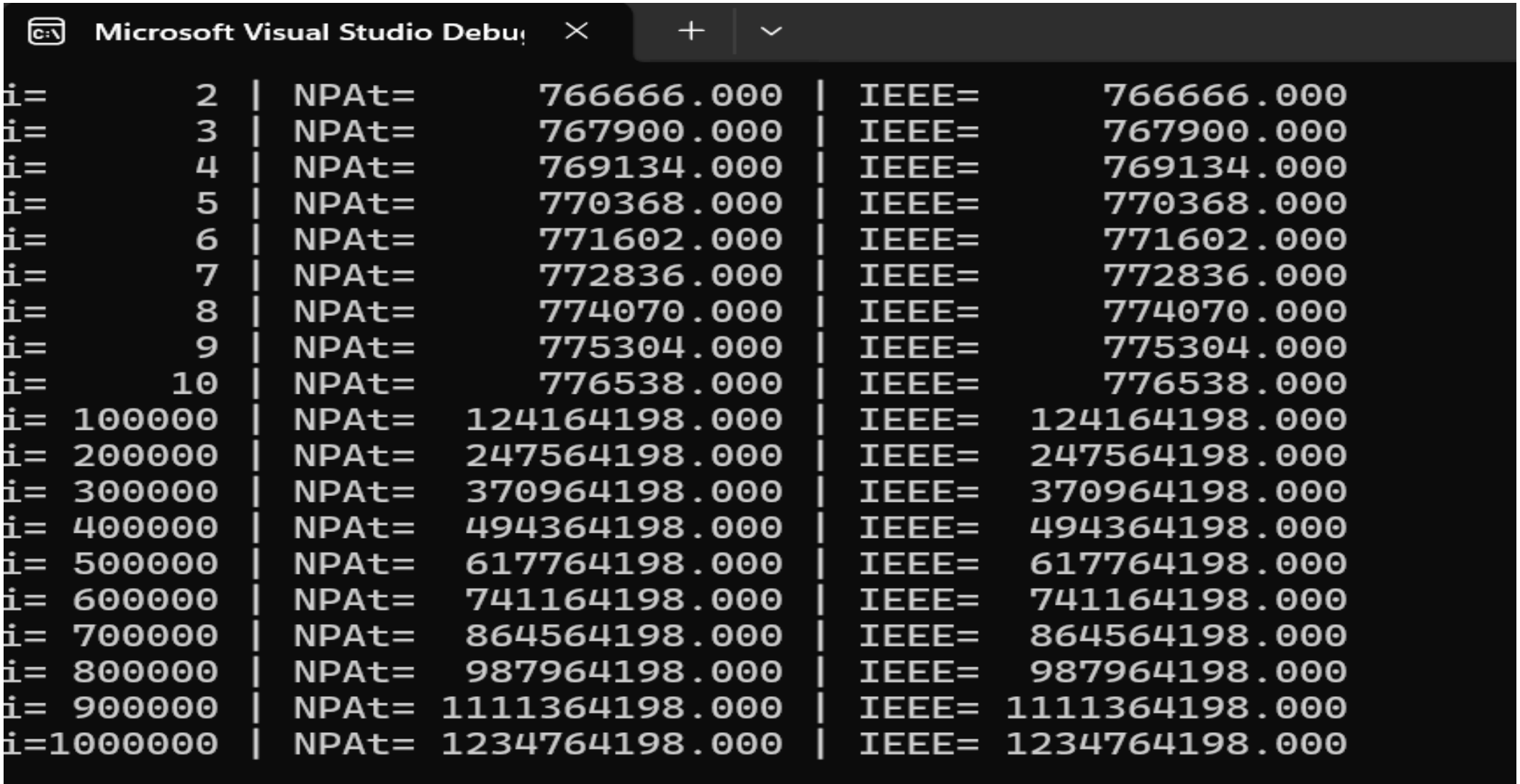
4. Sum of x_1 = 89382715639e+15 with 999999 additions of x_2 = 7878271567e+23



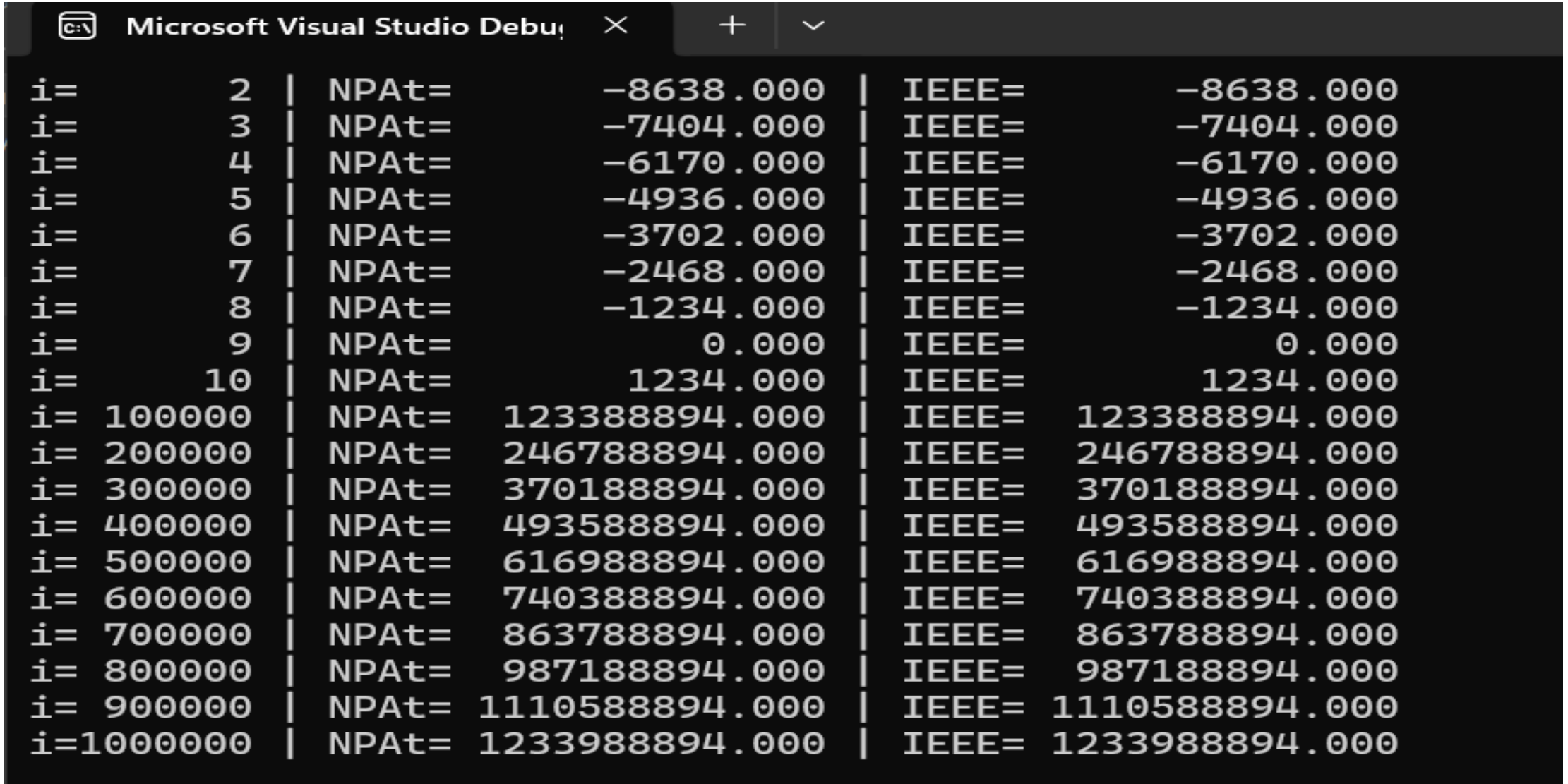
5. Sum of x_1 = 838.678 with 9999999 additions of x_2 = 7.87827e+76.236



6. Sum of x_1 = 1234 with 999999 additions of x_2 = 765432



7. Sum of x_1 = -8.93827e+10 with 99999 additions of x_2 = 7.87827e+09



END