```
Summary:
1 threads and matrix size 20000: S = 1, T = 9.11673
1 threads and matrix size 40000: S = 1, T = 35.9707
2 threads and matrix size 20000: S = 1.72668, T = 5.27993
2 threads and matrix size 40000: S = 1.67473, T = 21.4785
4 threads and matrix size 20000: S = 3.4697, T = 2.62753
4 threads and matrix size 40000: S = 2.64503, T = 13.5994
7 threads and matrix size 20000: S = 5.71034, T = 1.59653
7 threads and matrix size 40000: S = 3.18103, T = 11.3079
8 threads and matrix size 20000: S = 5.8162, T = 1.56747
8 threads and matrix size 40000: S = 3.02083, T = 11.9076
16 threads and matrix size 20000: S = 5.66432, T = 1.6095
16 threads and matrix size 40000: S = 4.30883, T = 8.34814
20 threads and matrix size 20000: S = 8.24627, T = 1.10556
20 threads and matrix size 40000: S = 4.66143, T = 7.71667
40 threads and matrix size 20000: S = 7.7578, T = 1.17517
40 threads and matrix size 40000: S = 4.59721, T = 7.82447
```
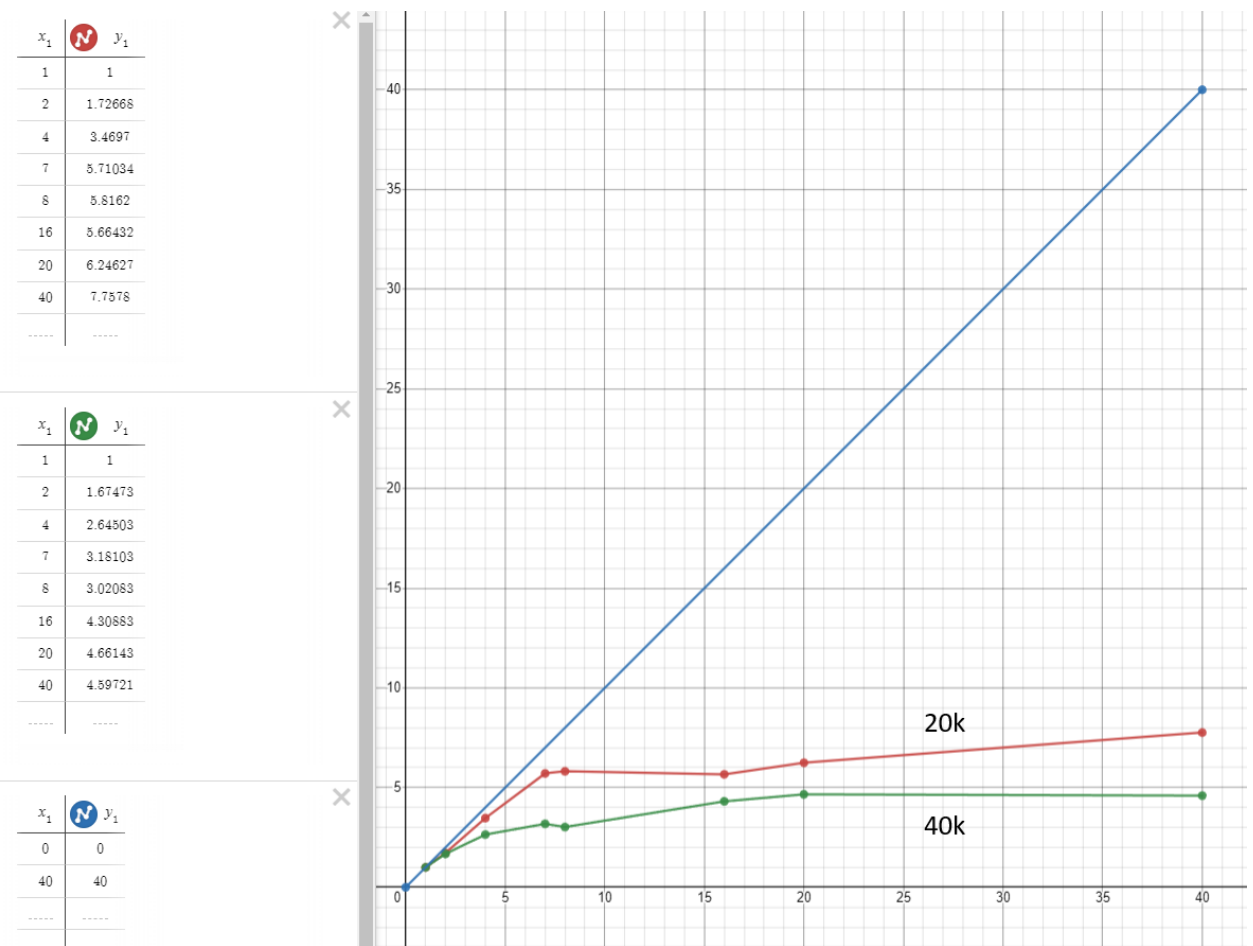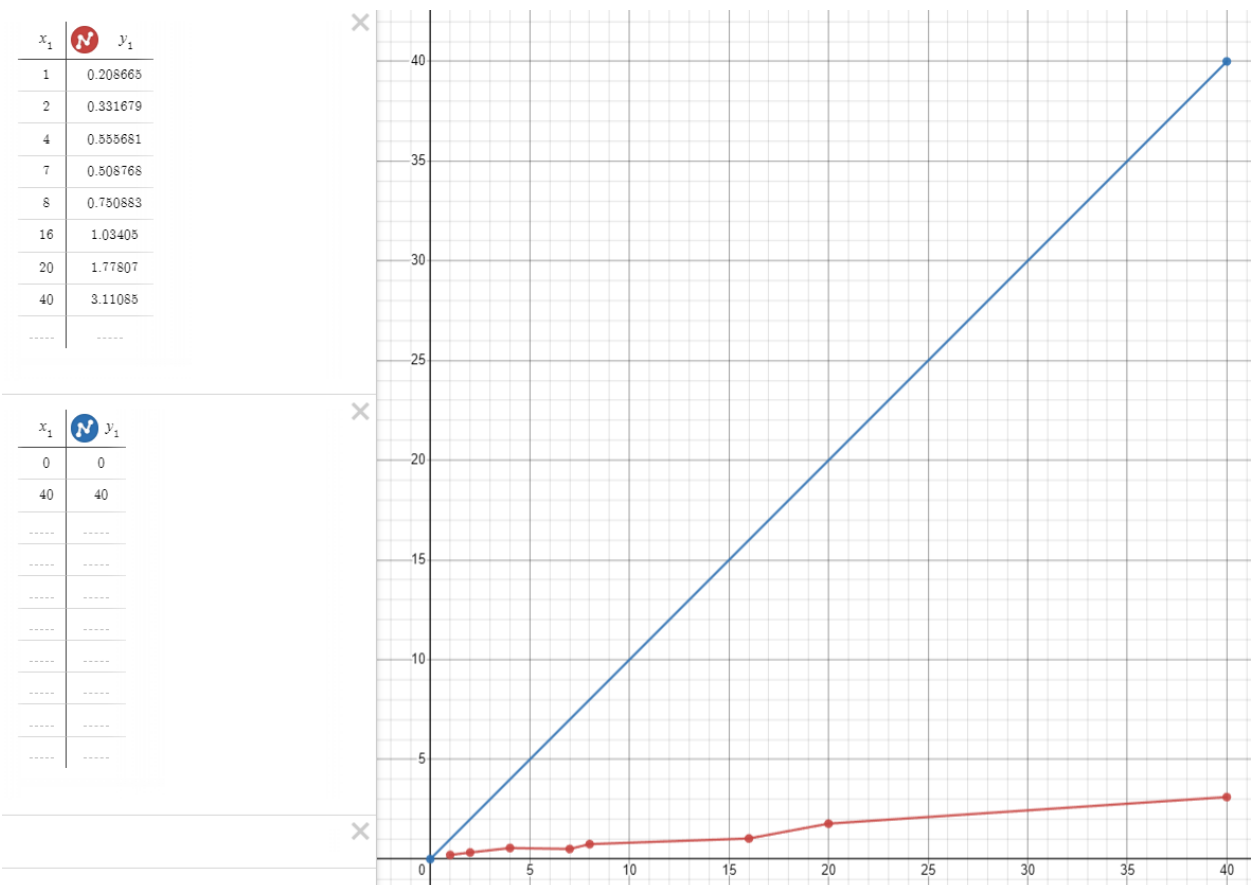
x_1	y_1
1	1
2	1.72668
4	3.4697
7	5.71034
8	5.8162
16	5.66432
20	6.24627
40	7.7578
.....	.....

x_1	y_1
1	1
2	1.67473
4	2.64503
7	3.18103
8	3.02083
16	4.30883
20	4.66143
40	4.59721
.....	.....

x_1	y_1
0	0
40	40
.....	.....

20k

40k

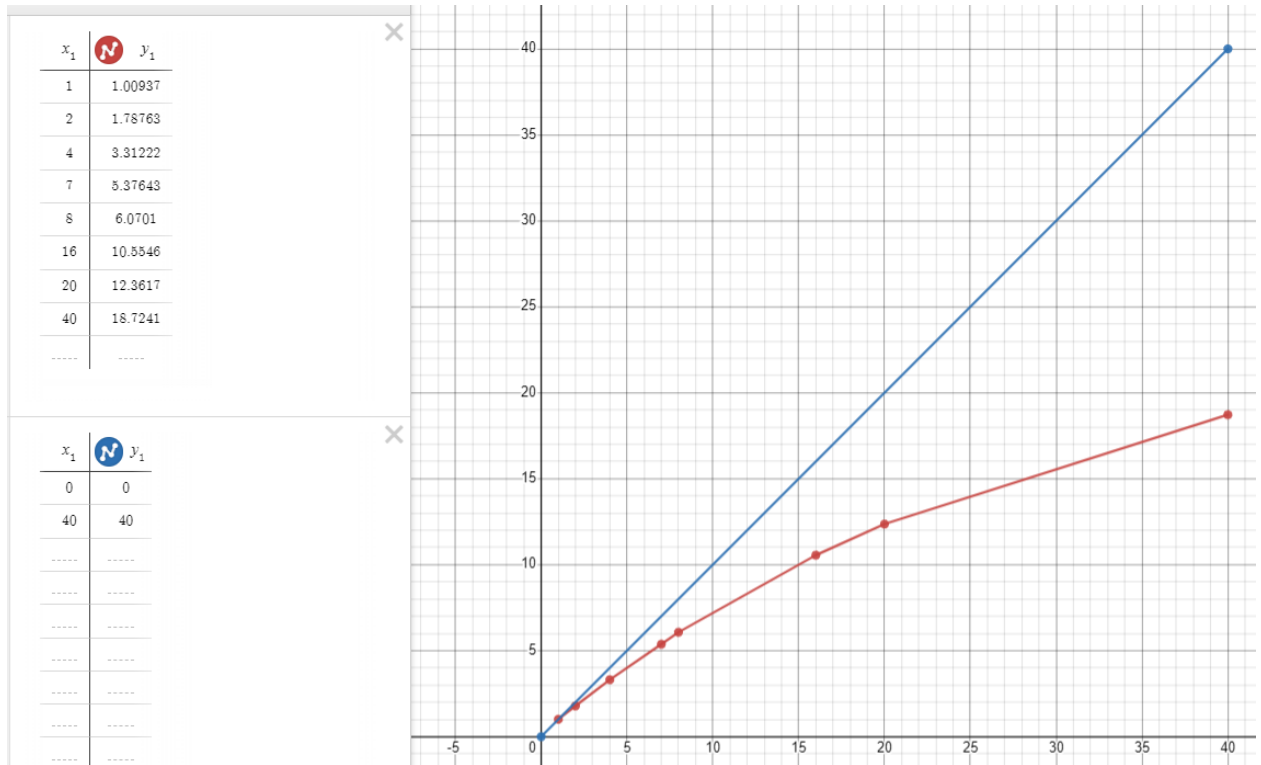Вывод: программа масштабируется плохо, поскольку при увеличении потоков ускорение почти не увеличивается.

Summary:
1 threads: S = 0.182029, T = 0.105292
2 threads: S = 0.293326, T = 0.065341
4 threads: S = 0.550371, T = 0.0348242
7 threads: S = 0.71735, T = 0.0267181
8 threads: S = 0.675347, T = 0.0283798
16 threads: S = 0.994644, T = 0.0192694
20 threads: S = 1.60498, T = 0.0119417
40 threads: S = 2.77547, T = 0.00690556

x_1	y_1
1	0.208665
2	0.331679
4	0.555681
7	0.508768
8	0.750883
16	1.03405
20	1.77807
40	3.11085
-----	-----

x_1	y_1
0	0
40	40
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----

Вывод: программа масштабируется не очень хорошо, поскольку ускорение программы при увеличении числа потоков медленно стремится к линейному значению.

Summary:
1 threads: S = 1.00937, T = 0.489545
2 threads: S = 1.78763, T = 0.276417
4 threads: S = 3.31222, T = 0.149184
7 threads: S = 5.37643, T = 0.091907
8 threads: S = 6.0701, T = 0.0814041
16 threads: S = 10.5546, T = 0.0468166
20 threads: S = 12.3617, T = 0.0399729
40 threads: S = 18.7241, T = 0.0263902

x_1	y_1
1	1.00937
2	1.78763
4	3.31222
7	5.37643
8	6.0701
16	10.5546
20	12.3617
40	18.7241
-----	-----

x_1	y_1
0	0
40	40
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----

Вывод: программа масштабируется гораздо лучше, чем в предыдущей имплементации, но при увеличении числа потоков ускорение начинает уменьшаться.