

C:\Users\Nikita\Desktop\programs\Recursive-linear-binary-search.exe

```
1.Linear Search
2.Binary Search
3.Exit
Enter your choice:
1
number of elements - 1000
enter element to be found
45
Element is present at index 13
time used: 1.598000
number of elements - 2000
enter element to be found
80
Element is present at index 438
time used: 1.598000
number of elements - 5000
enter element to be found
222
Element is not present in array
time used: 1.627000
number of elements - 10000
enter element to be found
50
Element is present at index 57
time used: 1.607000
number of elements - 15000
enter element to be found
68
Element is present at index 335
time used: 1.572000
number of elements - 20000
enter element to be found
800
Element is not present in array
time used: 1.581000
number of elements - 0
enter element to be found
2
Element is not present in array
time used: 1.549000
number of elements - 0
```

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```
1.Linear Search
2.Binary Search
3.Exit
Enter your choice:
2
number of elements - 1000
enter element to be found
30
Element is present at index 327
time used: 1.042000
number of elements - 2000
enter element to be found
48
Element is present at index 906
time used: 1.060000
number of elements - 5000
enter element to be found
222
Element is not present in array
time used: 1.100000
number of elements - 10000
enter element to be found
68
Element is present at index 6875
time used: 1.099000
number of elements - 15000
enter element to be found
20
Element is present at index 3046
time used: 1.078000
number of elements - 20000
enter element to be found
400
Element is not present in array
time used: 1.060000
number of elements - 0
enter element to be found
```

Type here to search

Taskbar icons: File Explorer, Google Chrome, Microsoft Store, Visual Studio Code, Mail, Dev, and a help icon. System tray: Network, Volume, and Date/Time (18:28, 04-05-2021).

C:\Users\Nikita\Desktop\programs\Selektionsorttime.exe

number of elements taken -1000
Generating array.....
Array generated!
Sorting array.....
Array sorted!
time used: 0.002000

number of elements taken -2000
Generating array.....
Array generated!
Sorting array.....
Array sorted!
time used: 0.001000

number of elements taken -5000
Generating array.....
Array generated!
Sorting array.....
Array sorted!
time used: 0.042000

number of elements taken -10000
Generating array.....
Array generated!
Sorting array.....
Array sorted!
time used: 0.178000

number of elements taken -15000
Generating array.....
Array generated!
Sorting array.....
Array sorted!
time used: 0.418000

number of elements taken -20000

C:\Users\Nikita\Desktop\programs\Selektionsorttime.exe

time used: 0.178000

number of elements taken -15000

Generating array.....

Array generated!

Sorting array.....

Array sorted!

time used: 0.418000

number of elements taken -20000

Generating array.....

Array generated!

Sorting array.....

Array sorted!

time used: 0.736000

number of elements taken -25000

Generating array.....

Array generated!

Sorting array.....

Array sorted!

time used: 1.149000

number of elements taken -30000

Generating array.....

Array generated!

Sorting array.....

Array sorted!

time used: 1.704000

Process exited after 4.622 seconds with return value 0
Press any key to continue . . .

Type here to search

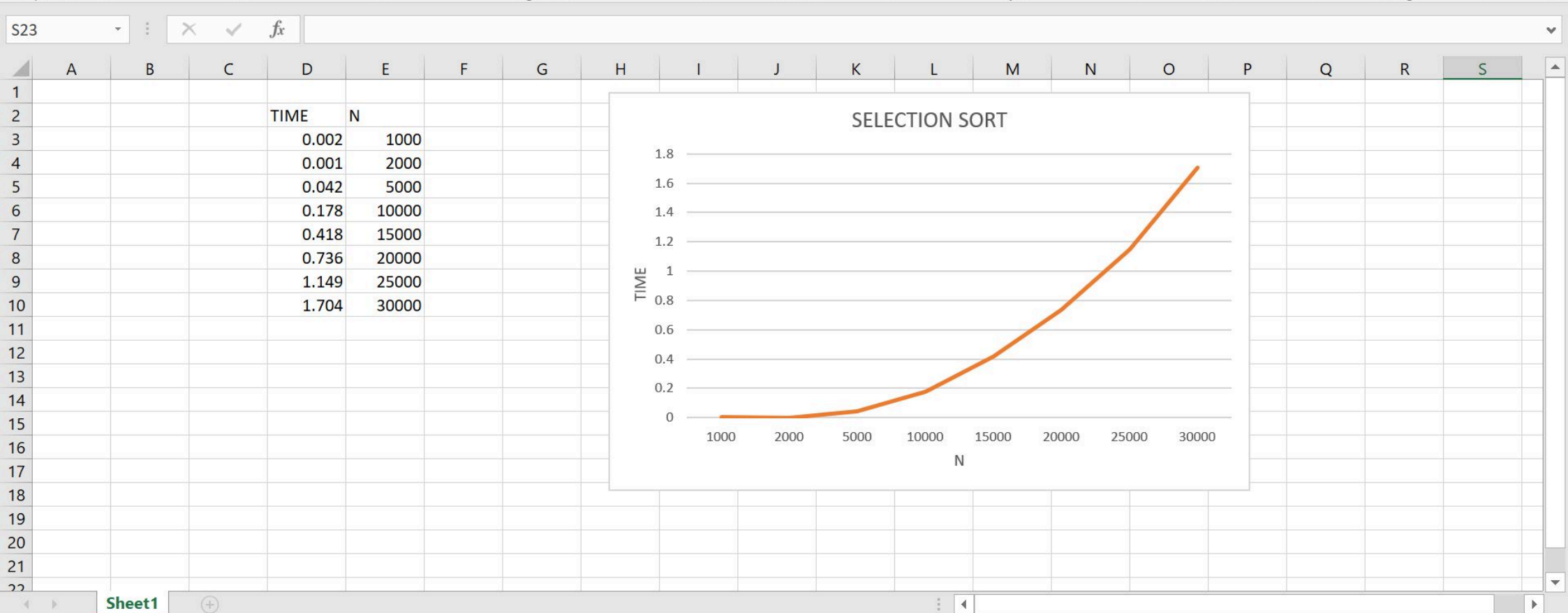


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| | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U |
|----|-------|--------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | |
| 2 | N | LINEAR SEARCH-TIME | BINARY SEARCH TIME | | | | | | | | | | | | | |
| 3 | 1000 | 1.598 | 1.042 | | | | | | | | | | | | | |
| 4 | 2000 | 1.598 | 1.066 | | | | | | | | | | | | | |
| 5 | 5000 | 1.627 | 1.1 | | | | | | | | | | | | | |
| 6 | 10000 | 1.607 | 1.099 | | | | | | | | | | | | | |
| 7 | 15000 | 1.572 | 1.078 | | | | | | | | | | | | | |
| 8 | 20000 | 1.581 | 1.06 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | |

