

My results

data struct	time	memory	comparisons
file	4.04	0.00	500.00
hash-table	0.93	8303.01	12.00
binary tree	1.16	7183.53	19.00
balanced BT	1.27	10350.22	13.00

data struct	time	memory	comparisons
file	3.09	0.00	500.00
hash-table	0.96	8492.12	7.00
binary tree	5.88	10448.03	767.00
balanced BT	1.19	9657.76	4.00

Article

```
x-----x-----x-----x-----x
| data struct | time | memory | comparisons |
x-----x-----x-----x-----x
| file | 941.00| 0| 500.00|
x-----x-----x-----x-----x
| hash table | 0.29| 16088| 1.76|
x-----x-----x-----x-----x
|binary tree (BT)| 0.37| 9960| 9.59|
x-----x-----x-----x-----x
| balanced BT | 0.58| 13280| 7.81|
x-----x-----x-----x-----x
```

```
x-----x-----x-----x-----x
| data struct | time | memory | comparisons |
x-----x-----x-----x-----x
| file | 796.00| 0| 500.00|
x-----x-----x-----x-----x
| hash table | 0.34| 16088| 6.32|
x-----x-----x-----x-----x
|binary tree (BT)| 2.85| 12000| 250.50|
x-----x-----x-----x-----x
| balanced BT | 0.55| 16000| 8.00|
x-----x-----x-----x-----x
```