CSSE 230, Winter 2023/24, Comparative Evaluation of Key Data-structures

BST	AVL
N	Log(N)
1	Log(N)
ТВА	Log(N)
N:1	2:1
N/A	1
N/A	h/2
N/A	468588
N/A	270038
419	24
29	20.38
763	807
912	911
733	605
	N 1 TBA N:1 N/A N/A N/A N/A 29 763 912

NOTICE: All data was generated with all apps closed, except for Eclipse.

¹ Largest ratio of longest path length to a null node to shortest path length to a null node. ² Creating an iterator 1 Mio times in 2 Mio tree returning first 5-100 elements, number of elements determined at random.

³ Average number of nodes visited from root to any of the nodes.