

Algorithmics	Student information	Date	Number of session
	UO:293175	21/2/2022	1.2
	Surname: YILDIRIM		
	Name: Kutay		

Activity 1. Time measurements for sorting algorithms.

Bubble

N	Sorted(t)	Inverse(t)	Random(t)
10000	85	161	146
20000	209	555	554
40000	183	1948	1929

The tables makes sense as from theorethical point of view.

Insertion

N	Sorted(t)	Inverse(t)	Random(t)
10000			
20000			
40000			

Selection

N	Sorted(t)	Inverse(t)	Random(t)
10000			
20000			
40000			

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Quicksort with central element as pivot

N	Sorted(t)	Inverse(t)	Random(t)
10000	2	2	1
20000	3	3	2
40000	5	6	5

The tables makes sense as from theorethical point of view.

Activity 2. QuicksortFateful.