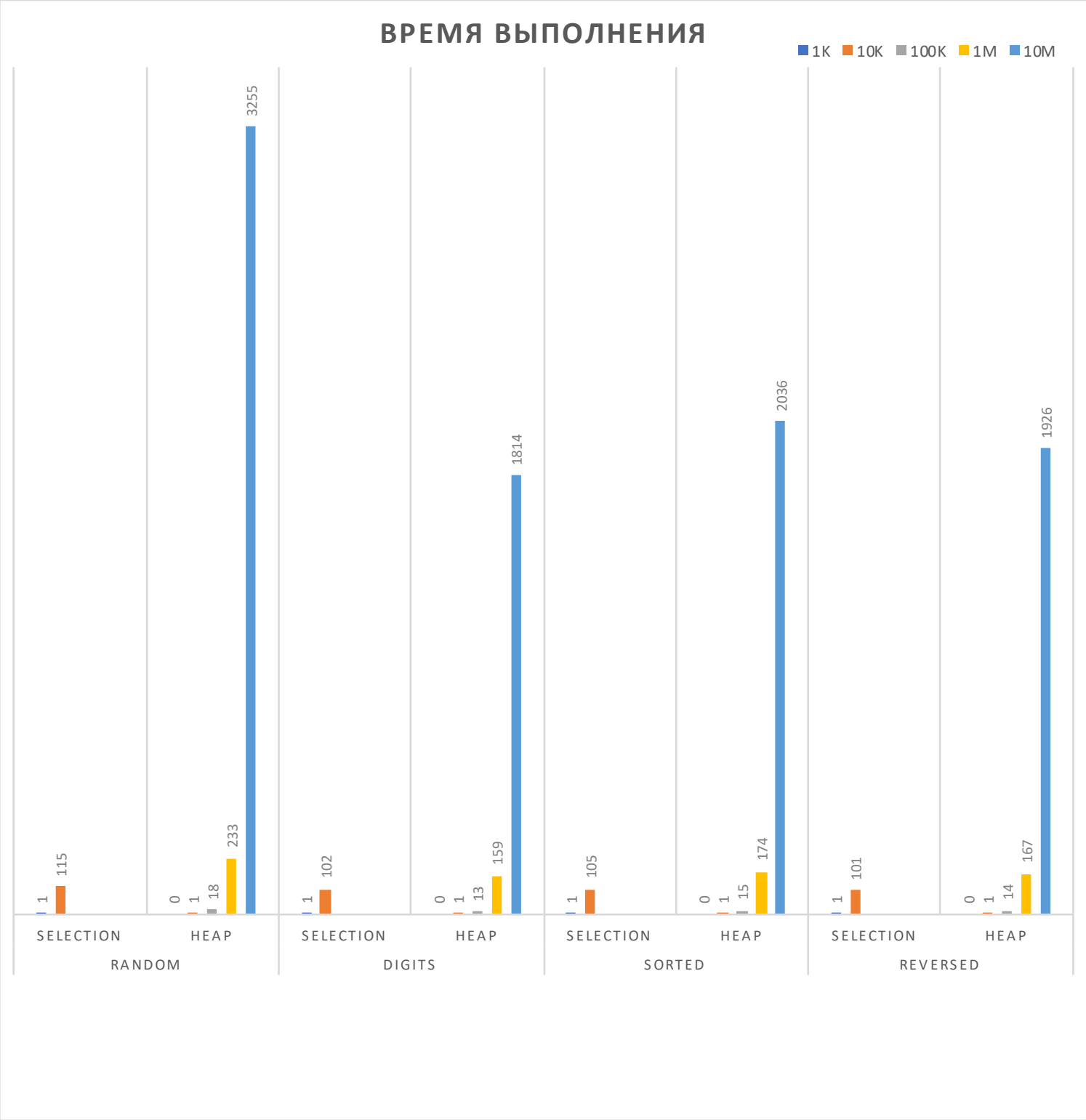


TIME ESTIMATION

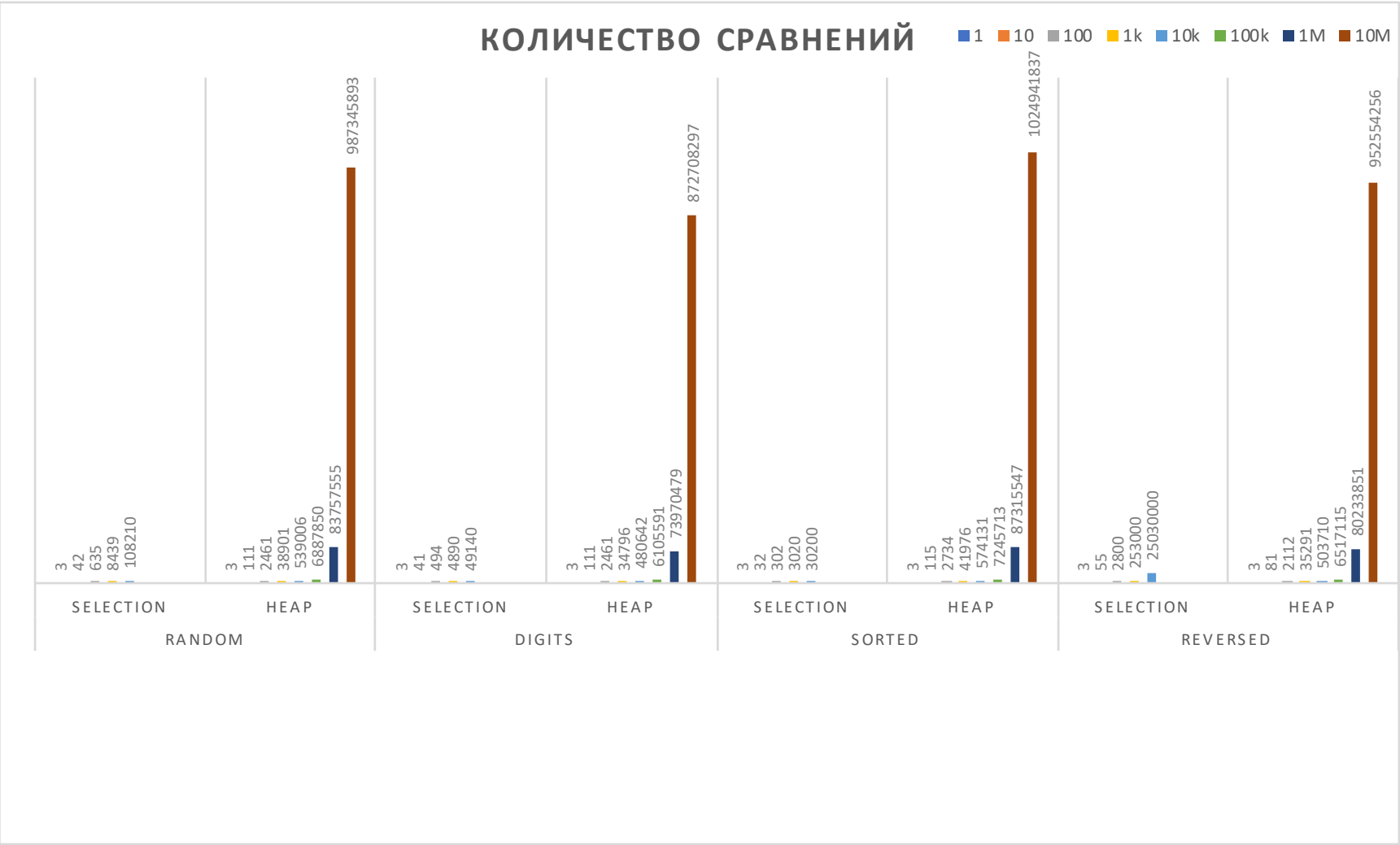
		array size							
		1	10	100	1K	10K	100K	1M	10M
Random	Selection	0	0	0	1	115			
	Heap	0	0	0	0	1	18	233	3255
Digits	Selection	0	0	0	1	102			
	Heap	0	0	0	0	1	13	159	1814
Sorted	Selection	0	0	0	1	105			
	Heap	0	0	0	0	1	15	174	2036
Reversed	Selection	0	0	0	1	101			
	Heap	0	0	0	0	1	14	167	1926



Model Name: MacBook Pro
Model Identifier: MacBookPro18,2
Chip: Apple M1 Max
Total Number of Cores: 10 (8 performance and 2 efficiency)
Memory: 32 GB

COMPARISONS

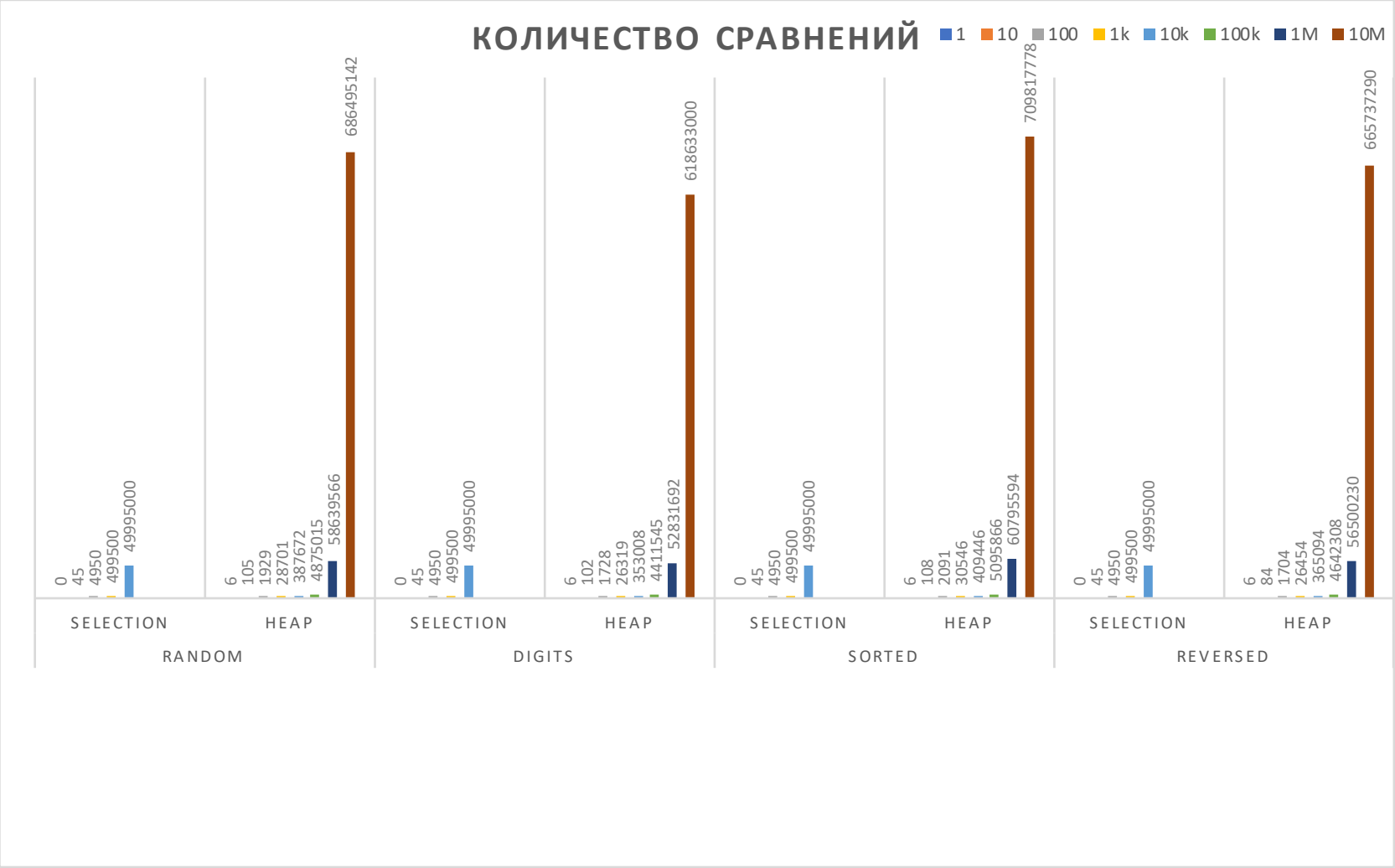
		array size							
		1	10	100	1k	10k	100k	1M	10M
Random	Selection	3	42	635	8439	108210			
	Heap	3	111	2461	38901	539006	6887850	83757555	987345893
Digits	Selection	3	41	494	4890	49140			
	Heap	3	111	2461	34796	480642	6105591	73970479	872708297
Sorted	Selection	3	32	302	3020	30200			
	Heap	3	115	2734	41976	574131	7245713	87315547	1024941837
Reversed	Selection	3	55	2800	253000	25030000			
	Heap	3	81	2112	35291	503710	6517115	80233851	952554256



Model Name: MacBook Pro
Model Identifier: MacBookPro18,2
Chip: Apple M1 Max
Total Number of Cores: 10 (8 performance and 2 efficiency)
Memory: 32 GB

ASSIGNMENTS

		array size							
		1	10	100	1k	10k	100k	1M	10M
Random	Selection	0	45	4950	499500	49995000			
	Heap	6	105	1929	28701	387672	4875015	58639566	686495142
Digits	Selection	0	45	4950	499500	49995000			
	Heap	6	102	1728	26319	353008	4411545	52831692	618633000
Sorted	Selection	0	45	4950	499500	49995000			
	Heap	6	108	2091	30546	409446	5095866	60795594	709817778
Reversed	Selection	0	45	4950	499500	49995000			
	Heap	6	84	1704	26454	365094	4642308	56500230	665737290



Model Name: MacBook Pro
Model Identifier: MacBookPro18,2
Chip: Apple M1 Max
Total Number of Cores: 10 (8 performance and 2 efficiency)
Memory: 32 GB