TIME ESTIMATION

array size		1	10	100	1K	10K	100K	1M	10M
Random	Quick	0	0	0	0	2	16		
	Merge	0	0	0	0	1	12	0	0
Digits	Quick	0	0	0	0	19	1790		
	Merge	0	0	0	0	0	8	93	0
Sorted	Quick	0	0	0	0	2	60		
	Merge	0	0	0	0	0	6	73	0
Reversed	Quick	0	0	0	1	142			
	Merge	0	0	0	0	0	5	62	0
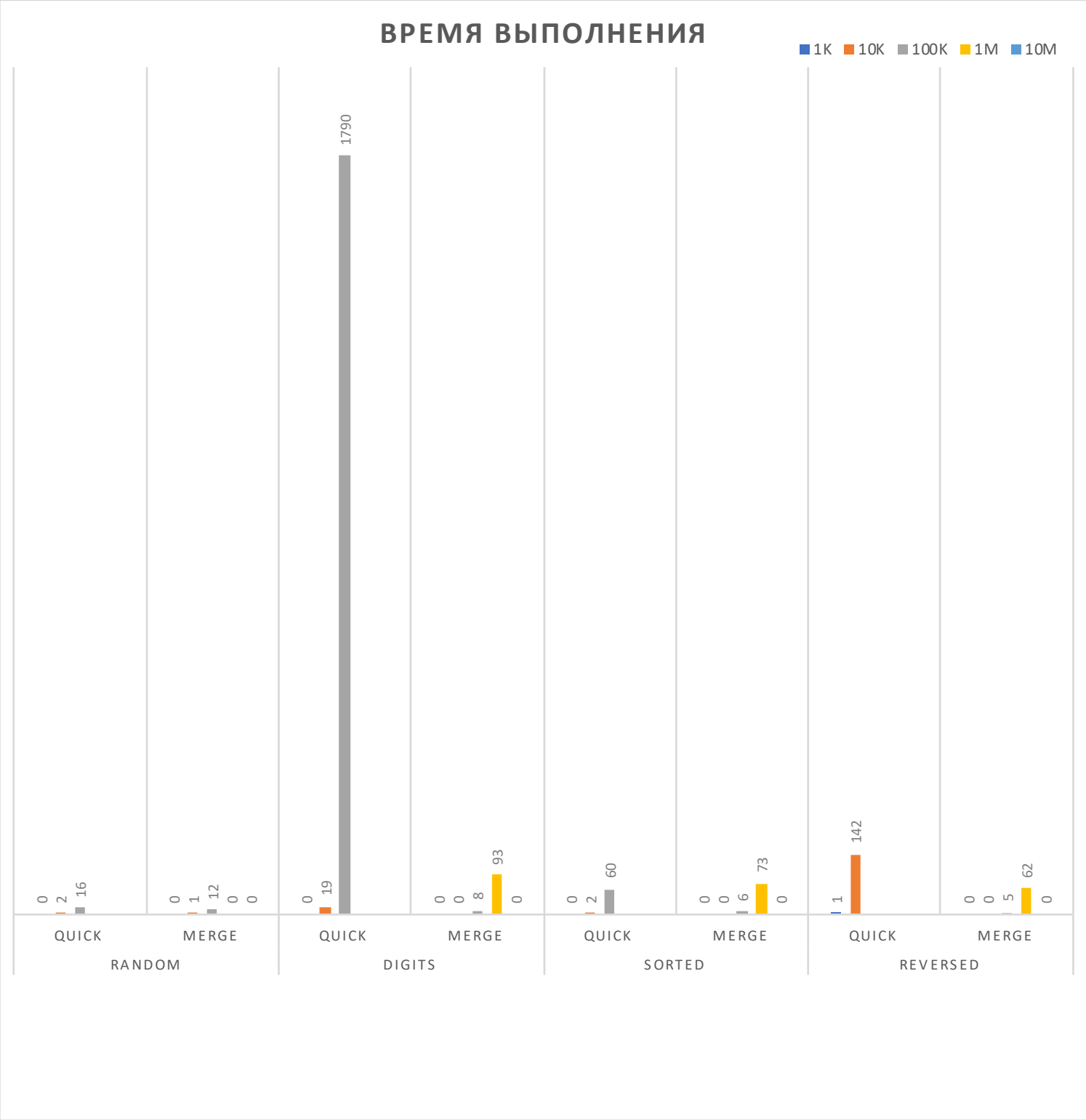
ВРЕМЯ ВЫПОЛНЕНИЯ

Legend: ■1K ■10K ■100K ■1M ■10M

	QUICK	MERGE	QUICK	MERGE	QUICK	MERGE	QUICK	MERGE
	RANDOM		DIGITS		SORTED		REVERSED	

Chart values: RANDOM QUICK: 0, 2, 16; RANDOM MERGE: 0, 1, 12, 0, 0; DIGITS QUICK: 0, 19, 1790; DIGITS MERGE: 0, 0, 8, 93, 0; SORTED QUICK: 0, 2, 60; SORTED MERGE: 0, 0, 6, 73, 0; REVERSED QUICK: 1, 142; REVERSED MERGE: 0, 0, 5, 62, 0

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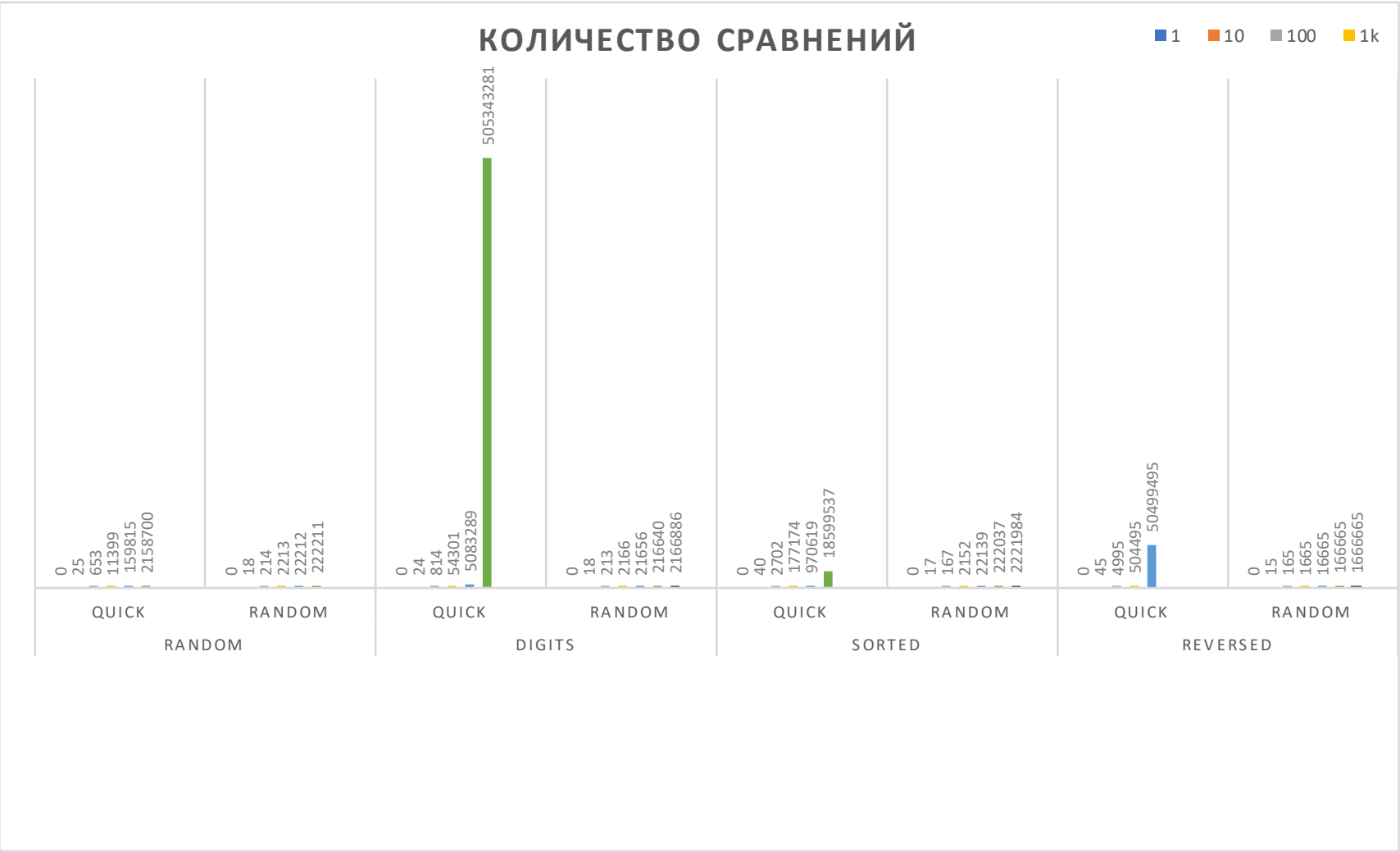Memory: 32 GB

COMPARISONS

	array size	1	10	100	1k	10k	100k	1M	10M
Random	Quick	0	72	1227	17424	269034	3437343		
	Merge	0	10	110	1110	11110	111110		
Digits	Quick	0	45	2295	158265	15230235	1515890205		
	Merge	0	10	110	1110	11110	111110	1111110	
Sorted	Quick	0	129	8277	485625	1066980	29994660		
	Merge	0	10	110	1110	11110	111110	1111110	
Reversed	Quick	0	87	7734	759231	75774228			
	Merge	0	10	110	1110	11110	111110	1111110	
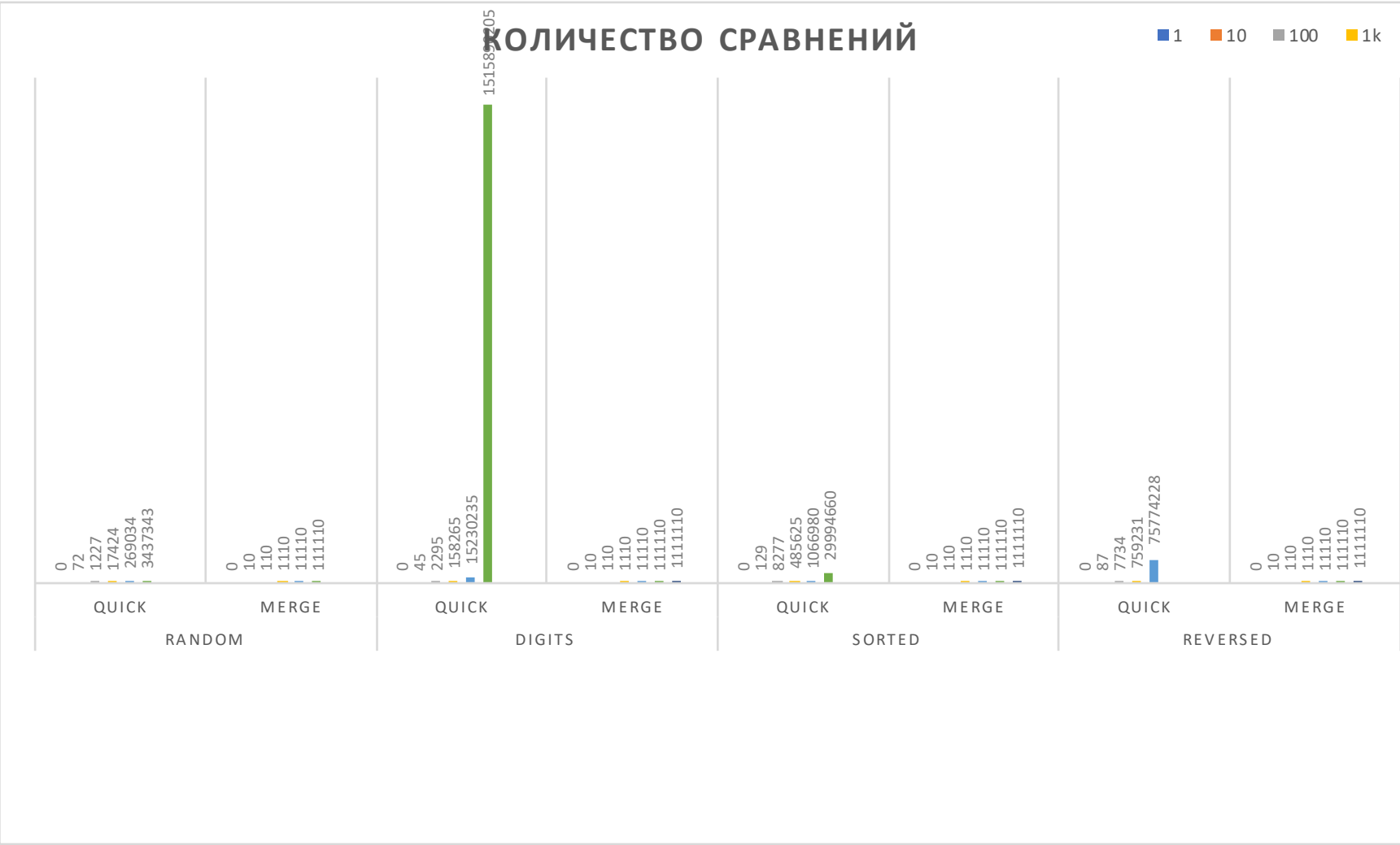
КОЛИЧЕСТВО СРАВНЕНИЙ

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	Quick	0	25	653	11399	159815	2158700		
	Random	0	18	214	2213	22212	222211		
Digits	Quick	0	24	814	54301	5083289	505343281		
	Random	0	18	213	2166	21656	216640	2166886	
Sorted	Quick	0	40	2702	177174	970619	18599537		
	Random	0	17	167	2152	22139	222037	2221984	
Reversed	Quick	0	45	4995	504495	50499495			
	Random	0	15	165	1665	16665	166665	1666665	

КОЛИЧЕСТВО СРАВНЕНИЙ

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