

**Submitted by:**

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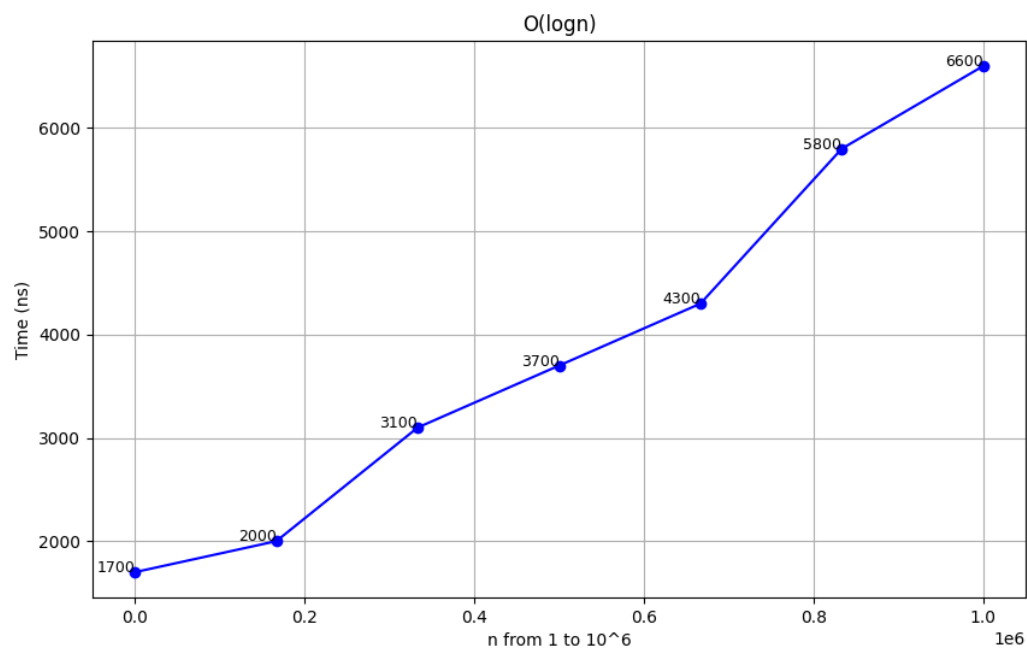
2210110206

**Table:**

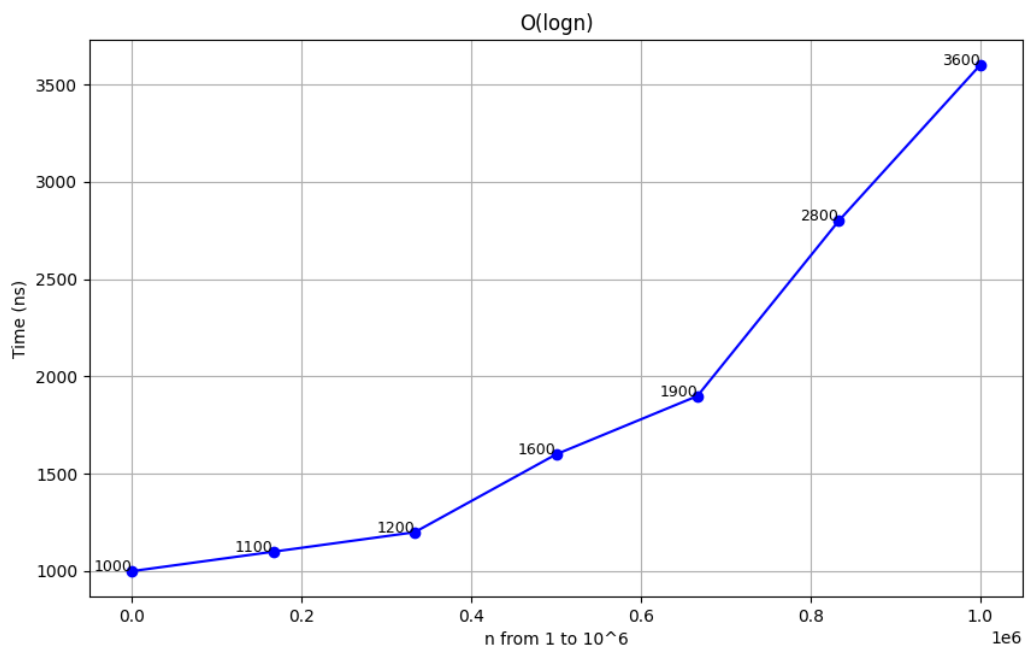
	Logn (in ns)	$\sqrt{n}$ (in ns)	n (in ns)	Nlogn (in ms)	$n^2$ (in ms)	$n^2 \log n$ (in ms)	$2^n$ (in ms)	$N^n$ (in ms)
1	1700	1000	600	0	0	0	0	0
10	2000	1100	700	0	0	1	0	84660
100	3100	1200	1800	2	2	4	20006	Too big
1000	3700	1600	7700	2	4	58	Too big	Too big
10000	4300	1900	81700	3	37	2062	Too big	Too big
100000	5800	2800	728300	37	8902	Too big	Too big	Too big
1000000	6600	3600	2041400	131	Too big	Too big	Too big	Too big

**Graphs:**

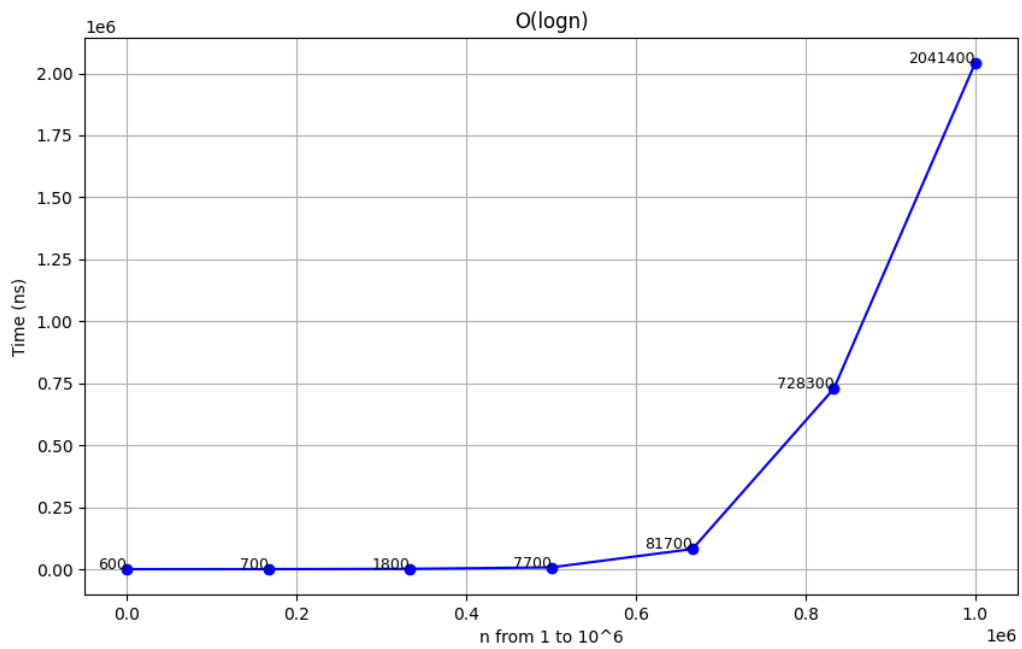
**1. Logn**



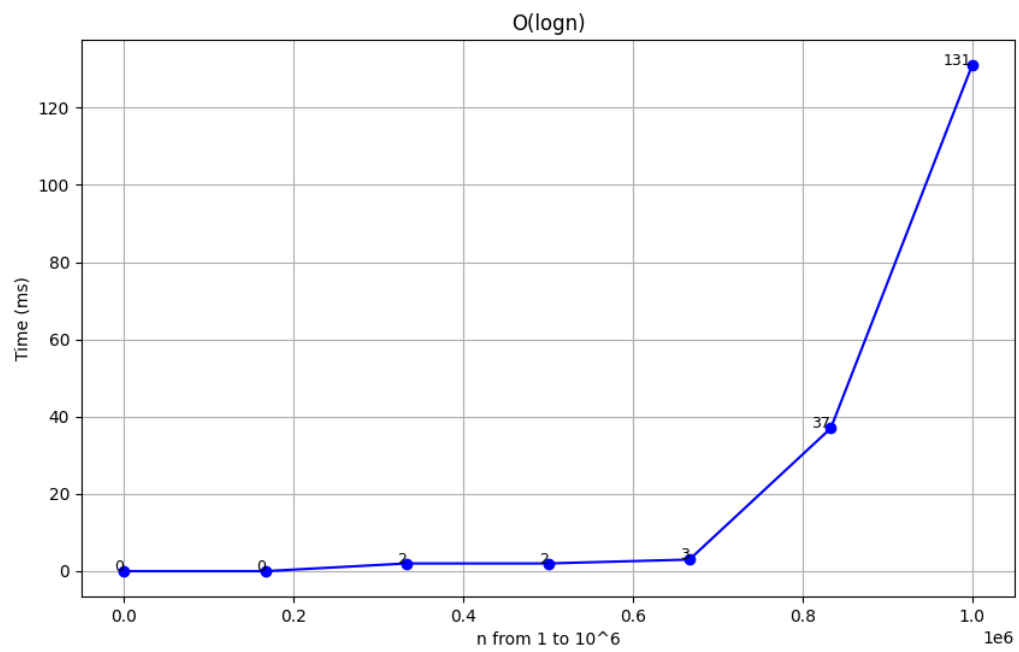
**2.  $\sqrt{n}$**



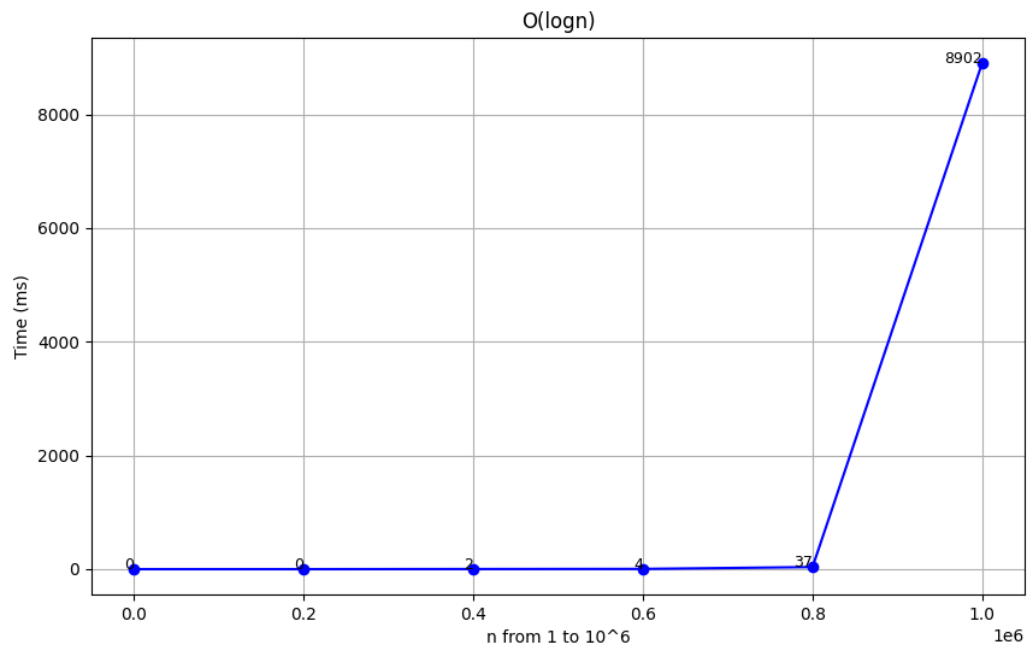
**3. n**



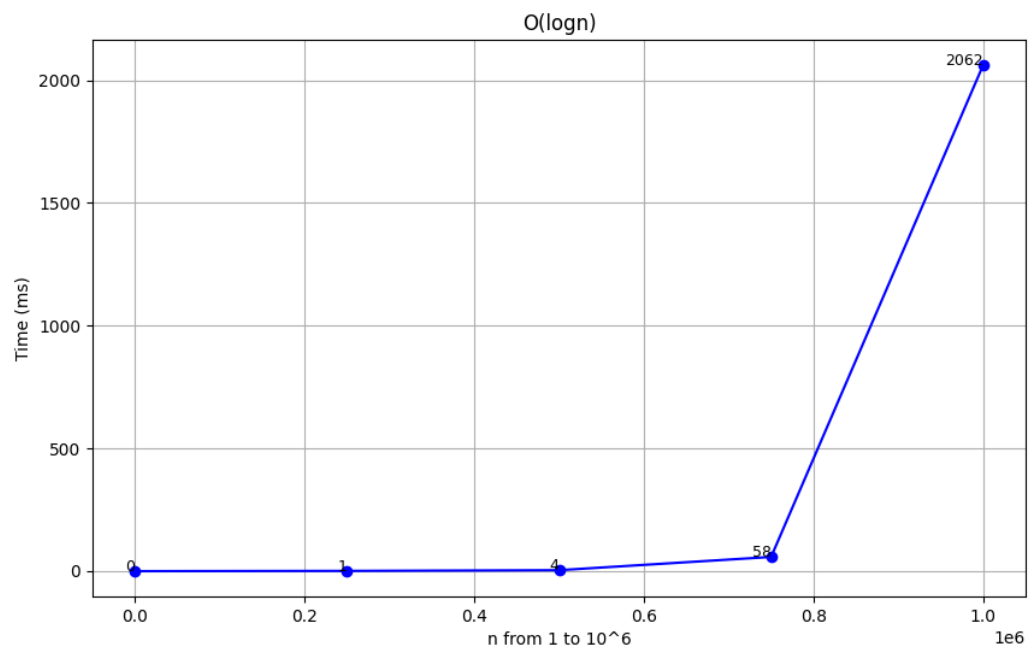
**4. n log n**



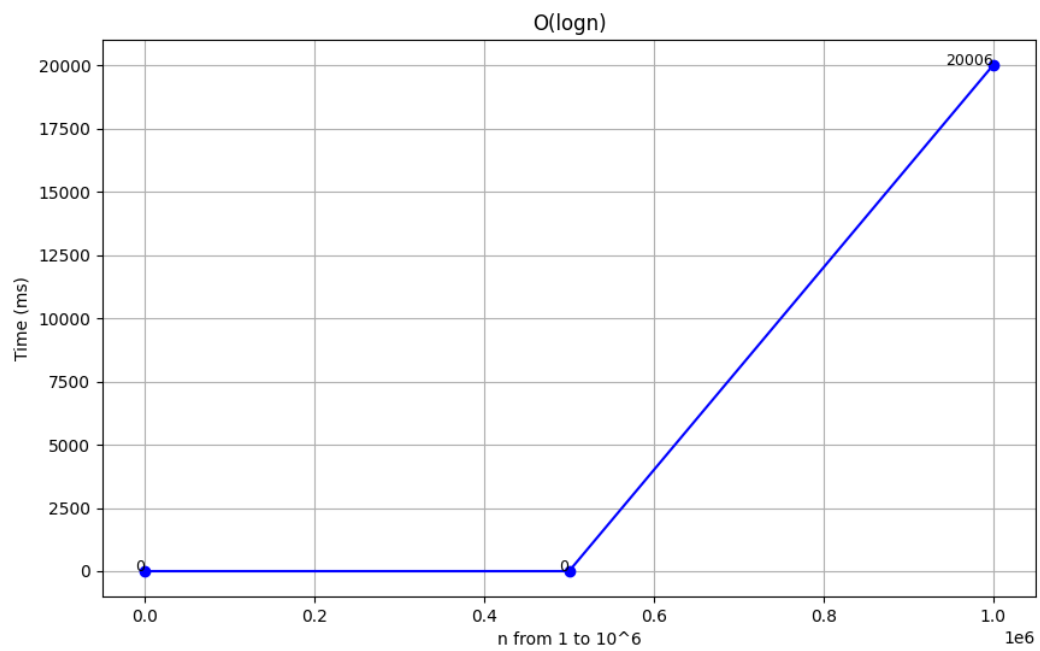
## 5. $n^2$



## 6. $n^2 \log n$



7.  $2^n$



8.  $n^n$

