Timing data

1分

Consider the following timing data:

size	time
n=5	7.5 μs
n=10	20.7 μs
n=50	378 μs
n=100	1.44 ms
n=200	6.72 ms
n=300	13.4 ms
n=400	27.5 ms
n=500	40.4 ms
n=1000	183 ms

What can we conclude from this data?

选项*

○ $n \approx 0.08 \cdot t$

○ Growth in time is exponential

○ $t \sim n$

○ $t \sim n^2$

保存回答   提交最终回答