

Action	Time (ns)	Time
L1 cache reference (cached data word)	0.5	
Branch mispredict	5	
L2 cache reference	7	
Mutex lock/unlock	25	
Main memory reference	100	0.1 μ s
Send 2,000 byte over 1 Gb/s network	20,000	20 μ s
SSD random read	150,000	150 μ s
Read 1 MB sequentially from memory	250,000	250 μ s
Disk seek	10,000,000	10 ms
Send packet CA to Netherlands to CA	150,000,000	150 ms