Table 3.1
Attributes of memory hierarchy components

Component	Technology	Bandwidth	Latency	Cost per Bit ($)	Cost per Gigabyte ($)
Disk drive	Magnetic field	10+ Mbytes/s	10 ms	$< 1 \times 10^{-9}$	< 1
Main memory	DRAM	2+ Gbytes/s	50+ ns	$< 2 \times 10^{-7}$	< 200
On-chip L2 cache	SRAM	10+ Gbytes/s	2+ ns	$< 1 \times 10^{-4}$	< 100K
On-chip L1 cache	SRAM	50+ Gbytes/s	300+ ps	$> 1 \times 10^{-4}$	> 100K
Register file	Multiported SRAM	200+ Gbytes/s	300+ ps	$> 1 \times 10^{-2}$ (?)	> 10 Mbytes (?)

Table 3.1: Attributes of memory hierarchy components.