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	< 1 KB			Joing State disk	magnetic disk
Implementation	< THE	< 16MB	< 64GB	< 1 TB	< 10 TB
technology	custom memory with multiple ports CMOS	on-chip or off-chip CMOS SRAM	CMOS SRAM	flash memory	magnetic disk
Access time (ns)	0.25 - 0.5	0.5 - 25	80 - 250	25,000 - 50,000	5,000,000
Bandwidth (MB/sec)	20,000 - 100,000	5,000 - 10,000	1,000 - 5,000	500	20 - 150
Managed by	compiler	hardware	operating system	operating system	operating syst
Backed by	cache	main memory	disk	disk	disk or tape
3,	cache	main memory	disk	disk	disk or tape







































