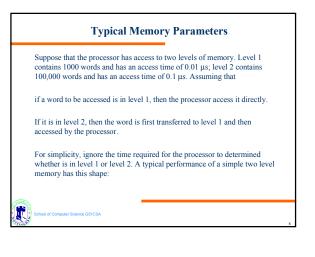
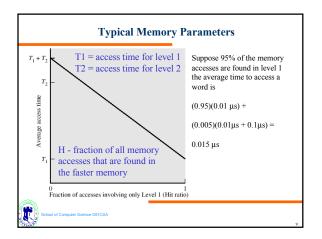
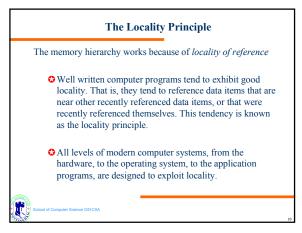
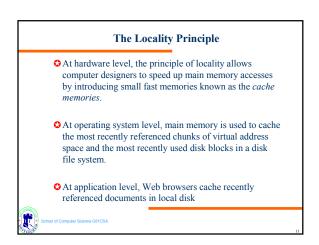


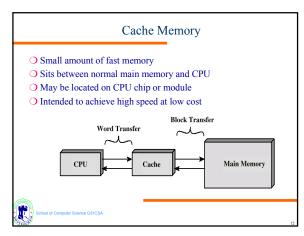
Метогу Туре	Technology	Size	Access Time
Cache	Semiconductor RAM	128-512 KB	10 ns
Main Memory	Semiconductor RAM	4-128 MB	50 ns
Magnetic Disk	Hard Disk	Gigabyte	10 ms, 10 MB/se
Optical Disk	CD-ROM	Gigabyte	300 ms, 600 KB/s
Magnetic Tape	Таре	100s MB	Sec-min., 10MB/mi

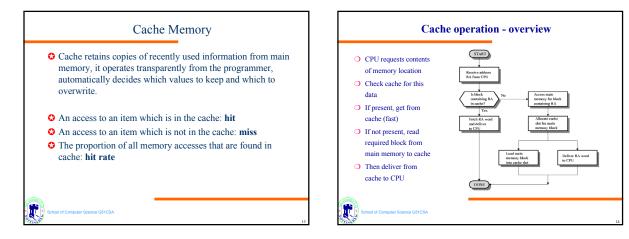


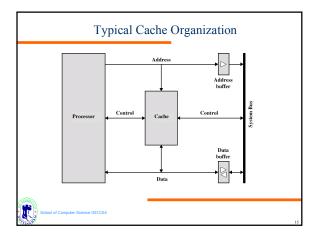


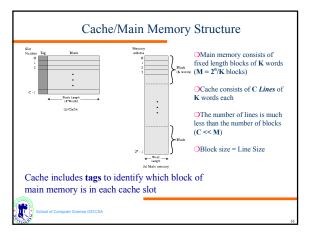


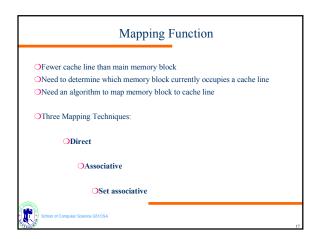


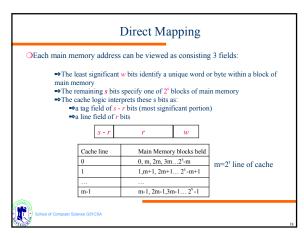


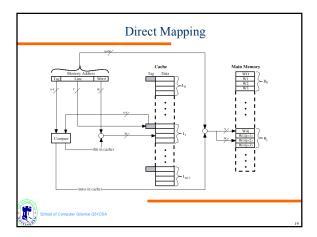


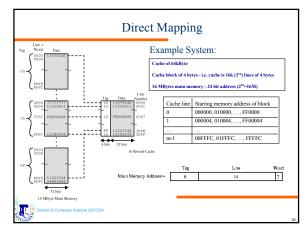


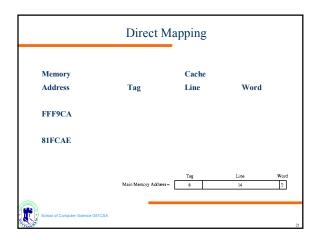


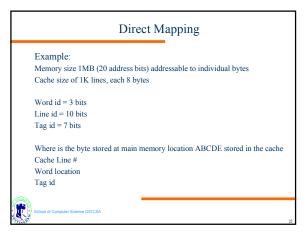


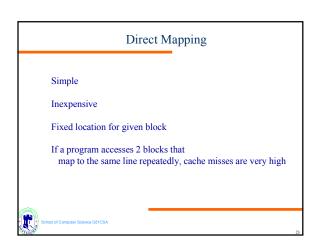


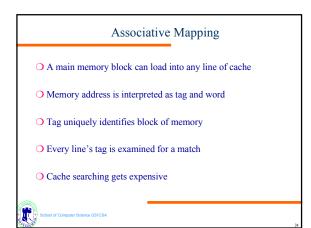


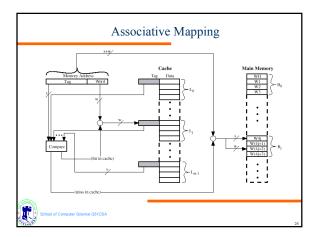


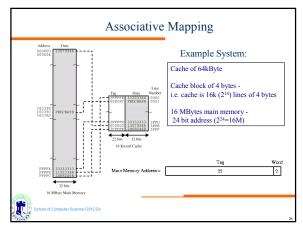


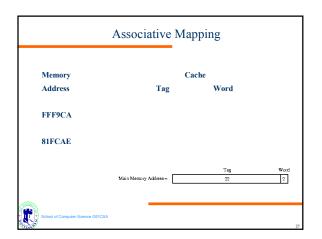


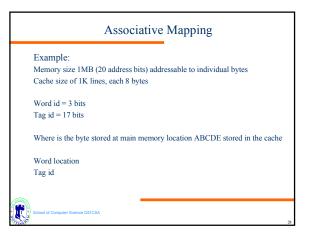


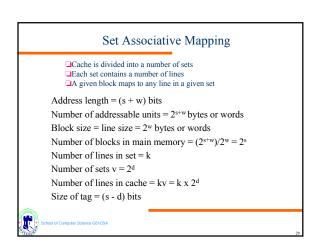


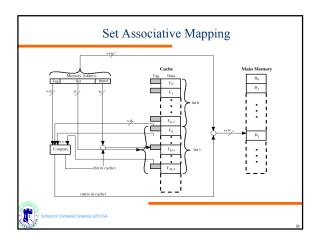


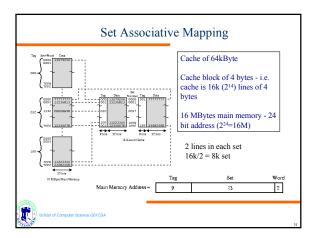












Use set field to dete Compare tag field t					
Memory	Ca	Cache			
Address	Tag	Set number		word	
FFF9CA					
81FCAE					
M	ain Memory Address=	Tag 9	Set 13	Word 2	

Example:		
1	0 address bits) addressal	ble to individual bytes
Cache size of 1K line		2
4-way set associative	mapping 1024/4 =	256 sets
W 111 015	0.11.017	m 11 1711
Word $id = 3$ bits	Set $id = 8$ bit	Tag id = 17 bits
Where is the byte sto	red at main memory loca	tion ABCDE stored in the
cache		
Wo	ord location	
Set		
Tag	g	

