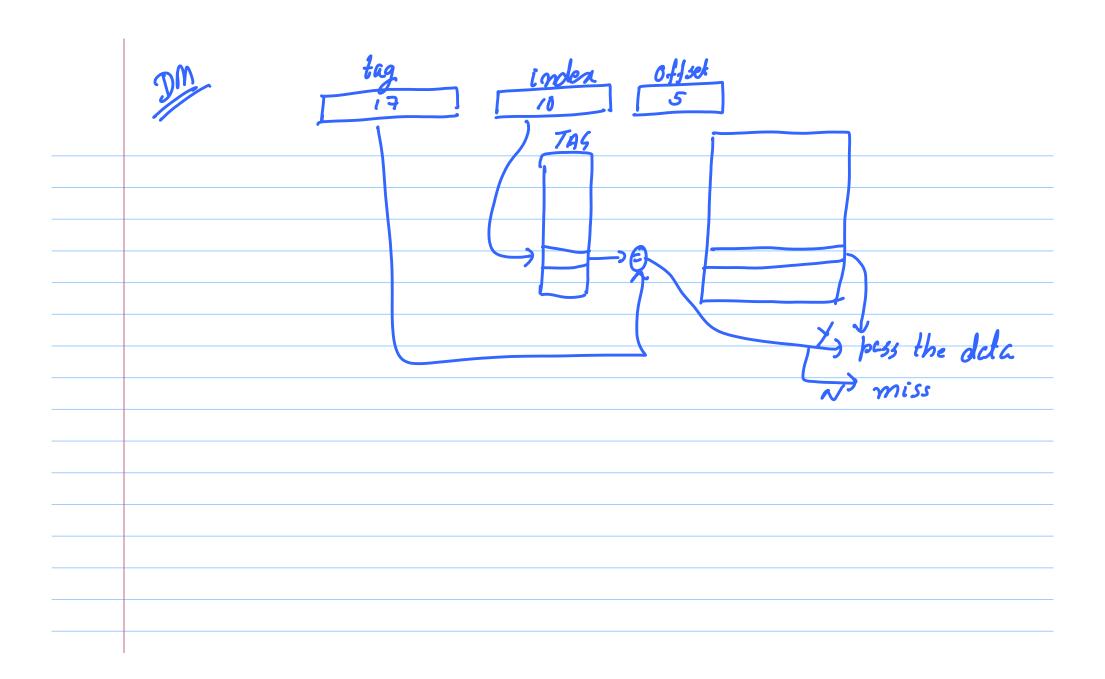
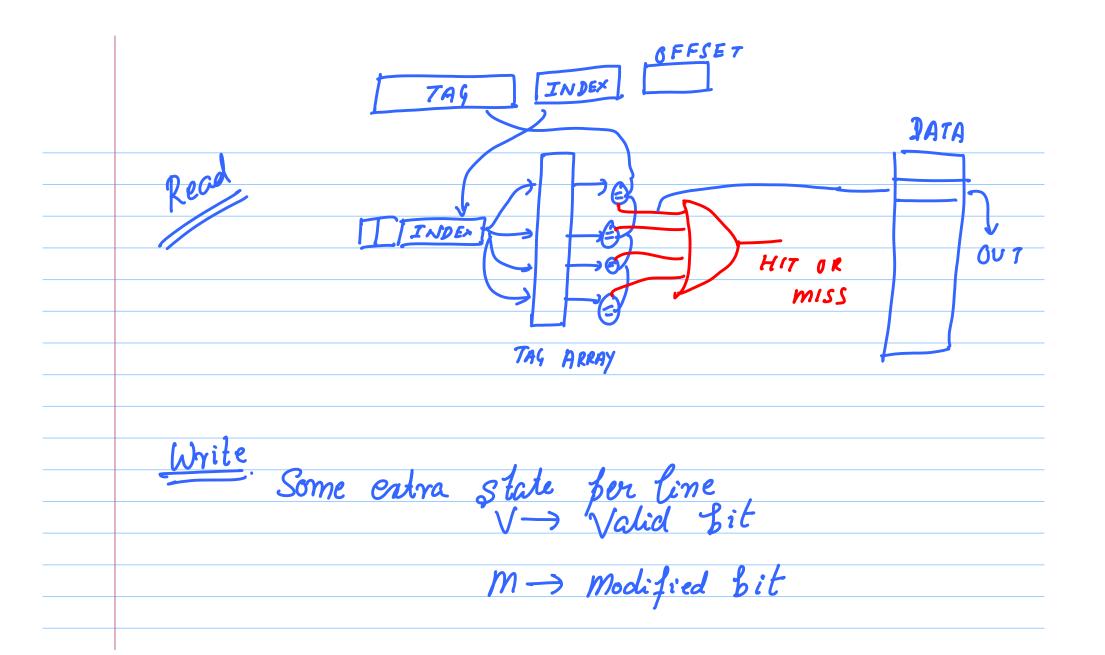
Oct 19th Note Title 19-10-2011 Recap: Direct Mapped Cache Fully Associative Cache. Structure of One block: 32 bytes. the cache DATA Size of the cache: 32 kB



## Set Associative Cache

TAG INDEX OFFSET
19 8 5
One line con be in 4 locations
8 010 11 0/1 4-way set " 1/0 associative cache
u oli 4-way set
" [1] G330UMVE CACHE



1) Search for a way with V=0 Write No Strat. 1) Use LRU replacement policy Strat. 2) Give presence to Unes with M=0

Cache hierarchy the outside: One unified contiguous physical memory View from date coldr. Phy - Memory Insider's View 43 MAIN MEM

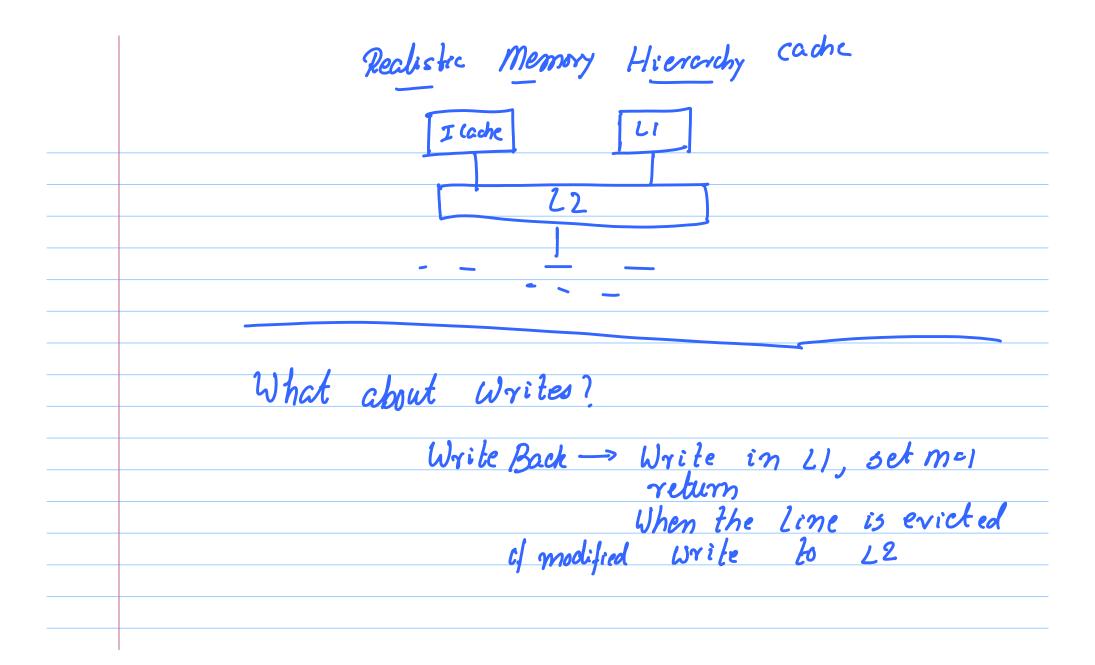
local miss rate: # of misses at that level total # of accesses at that leve global miss rati: #1 of misses at that level total # of memory accesses. Cs Compulsory Miss -> cold start hrec Conflict Miss → Insufficient

Ways in the

Cache

Capacity Miss → Size of data

is larger than the



Write Through ->	Write to L2 → always M=0