

Cache Block States

- What are the different states a block of memory can have within the directory? *Cache: M, S, I*
Dir: M/S
- Note that we need information for each cache so that invalidate messages can be sent
- The block state is also stored in the cache for efficiency
- The directory now serves as the arbitrator: if multiple write attempts happen simultaneously, the directory determines the ordering *write propⁿ*
write serⁿ