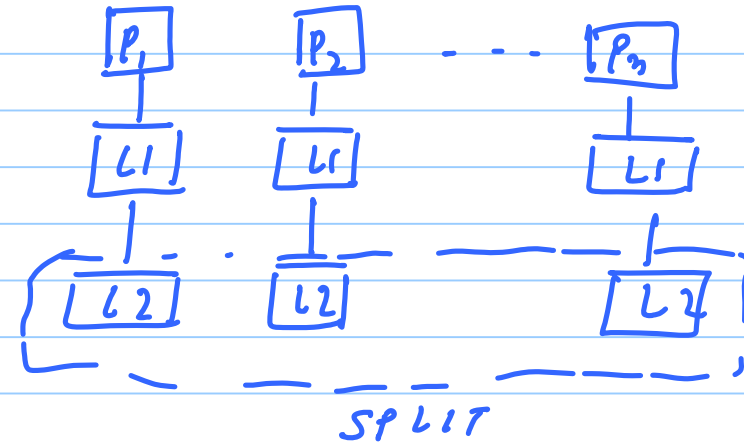
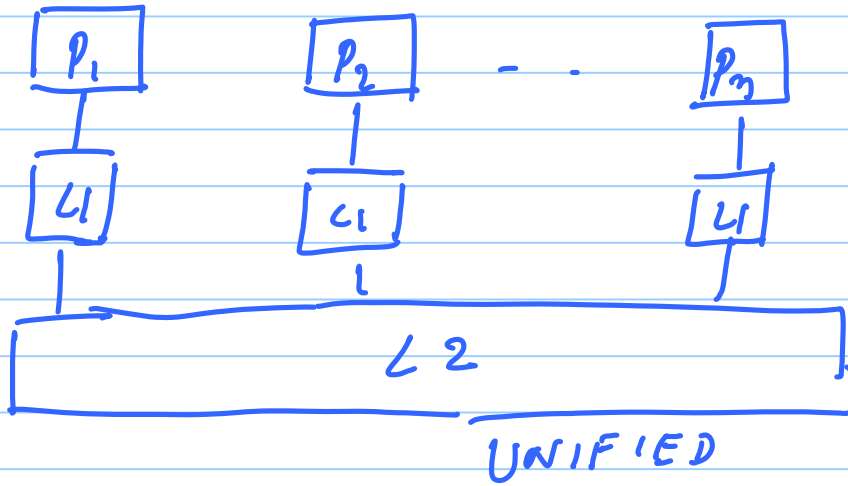


Nov - 2nd

Note Title

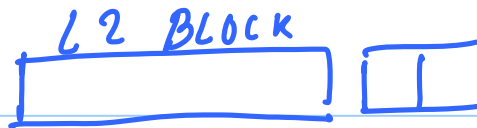
02-11-2011



Axioms

- 1) Single Writer or Multiple Readers.
- 2) A write is ultimately visible
- 3) Writes to the same location, are visible to all processors in the same order.

MESI.



00 → I → INVALID

01 → S → SHARED

10 → M → MODIFIED

11 → E → EXCLUSIVE

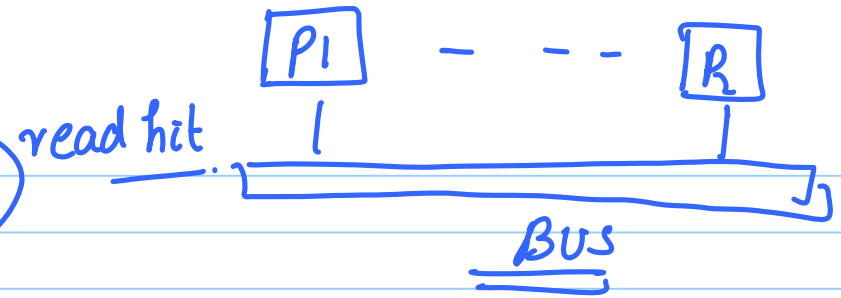
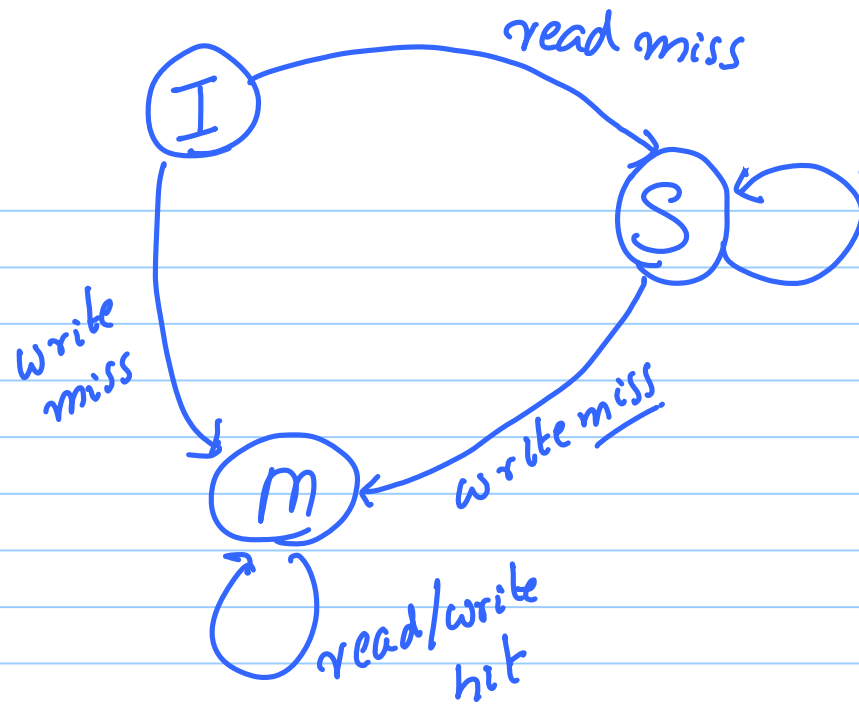
SNOOPY PROTOCOL.

I → Invalid

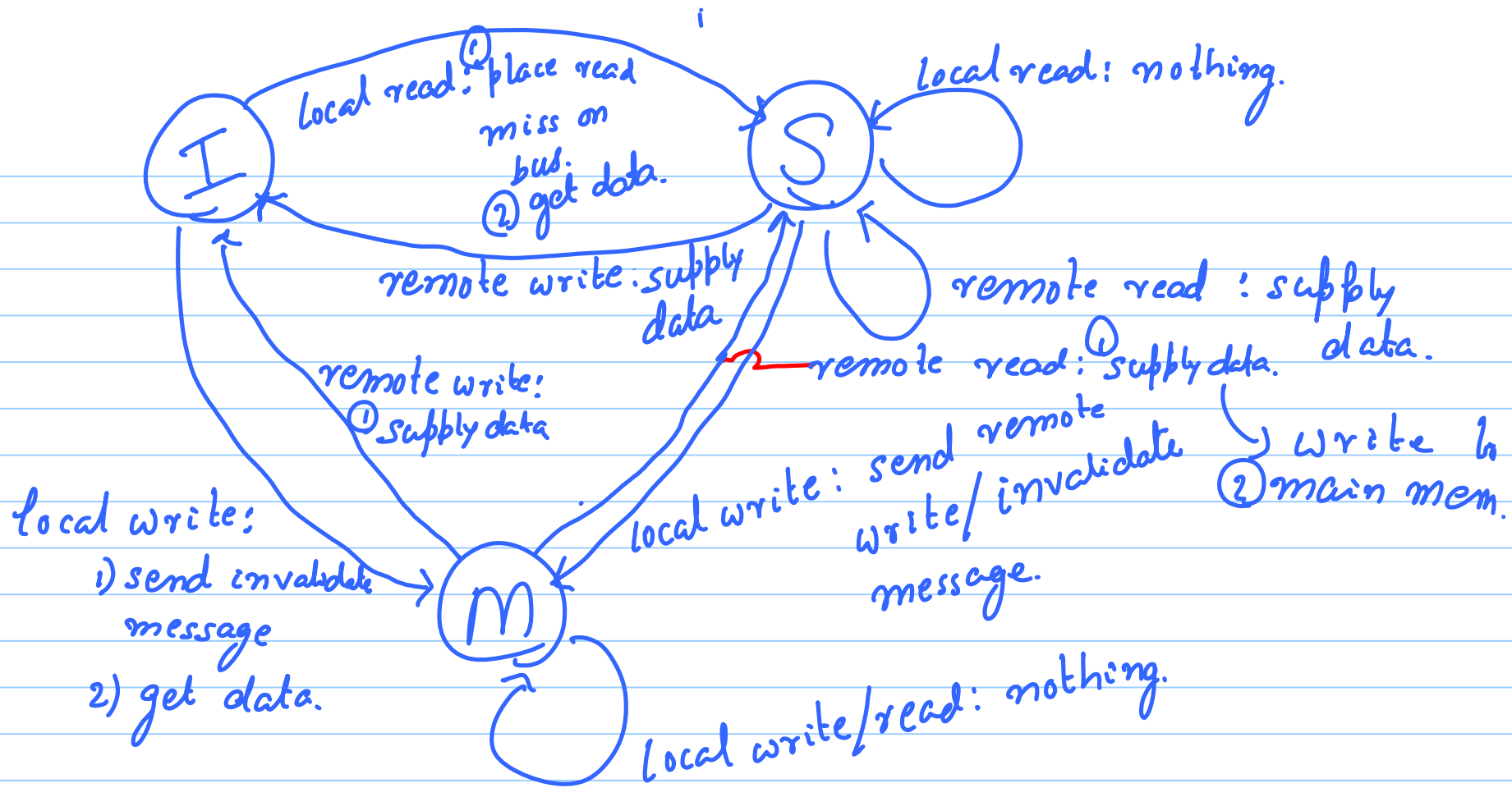
S → read permission, no write

E, M → Write/read Permission

M → Modified.



event : action



I : \rightarrow evict: nothing

S : \rightarrow evict: nothing

M : \rightarrow evict: write to main memory

M \rightarrow S : \rightarrow write to memory