States Write Read Read & Write Idle Initial state R/rAJJr Revo RW RW RW RnW Ille RW Write

For RW coullist:

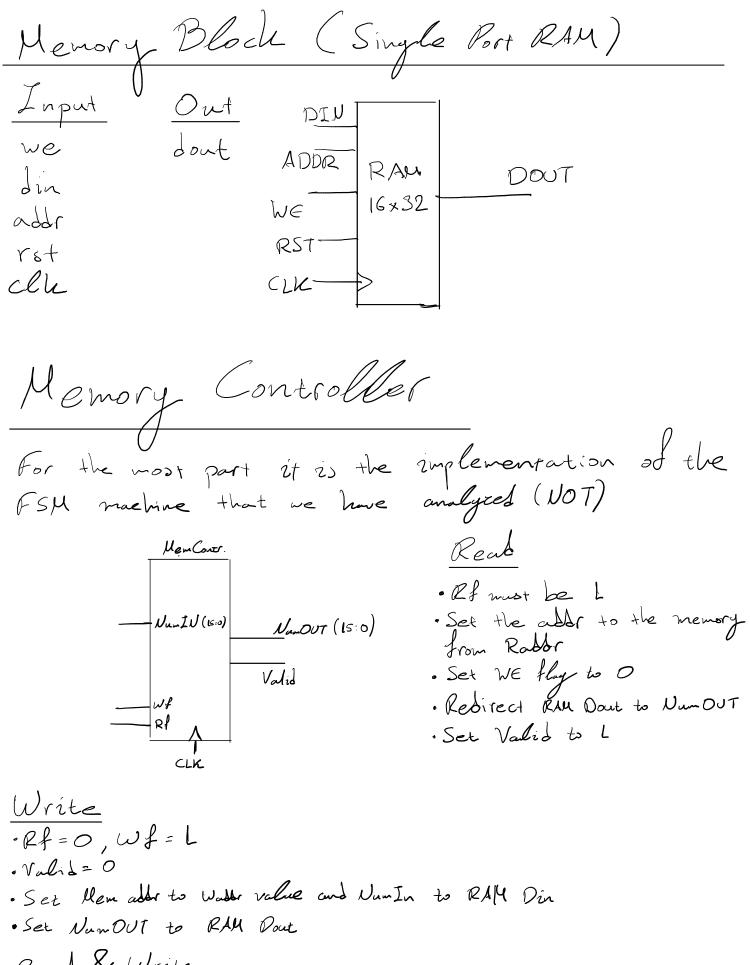
- 1) Read data from RAddr
- 2) Write data to WALL

This way even if WADAr = Raddr there will be no race condition

Ible state:

In this state the output of the Number will be the last output but the Valid flag will be o

Note: Even in the Write state the NumOVT will be an Unknown or the last value but the Valid flag will be off



Read & Write

Rf=L & Wf=L & Valid=L

· Hem Addr = RAHR

· Output Rend Value

· Mem Aldr = WALDR

. Write Num IN to RAY

