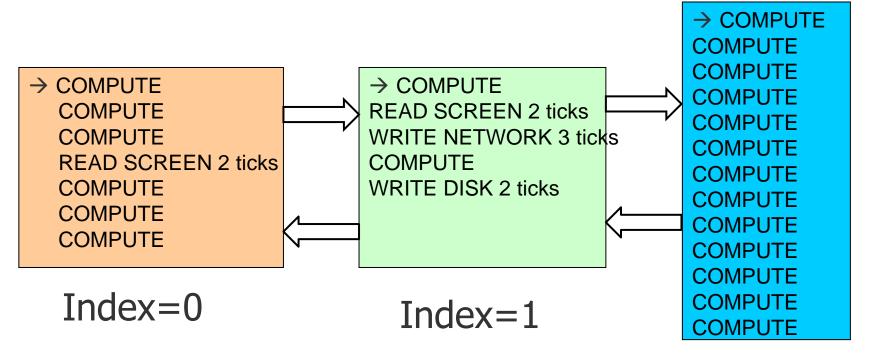
Process List

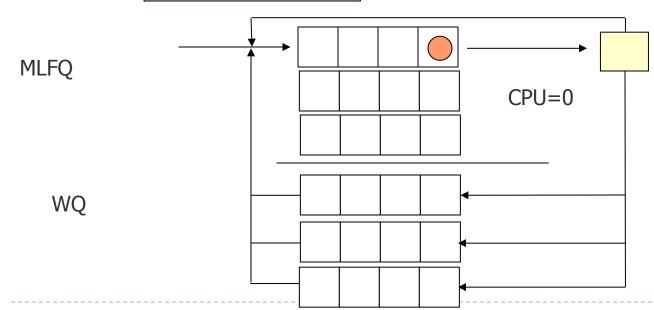


Read job.txt file & ProcessName files and Load processes in the Process List (doubly Linked List)

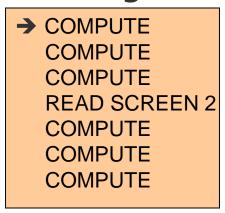
Index=2

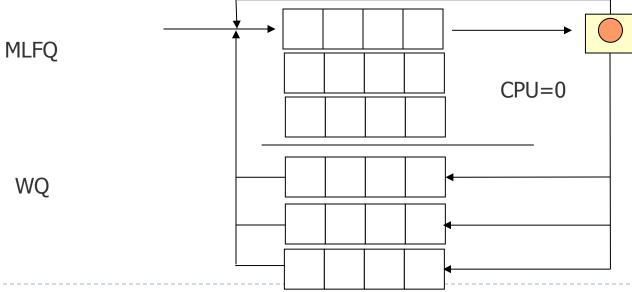
Global Time 0 Ready

→ COMPUTE
COMPUTE
COMPUTE
READ SCREEN 2
COMPUTE
COMPUTE
COMPUTE



Global Time 0 Running



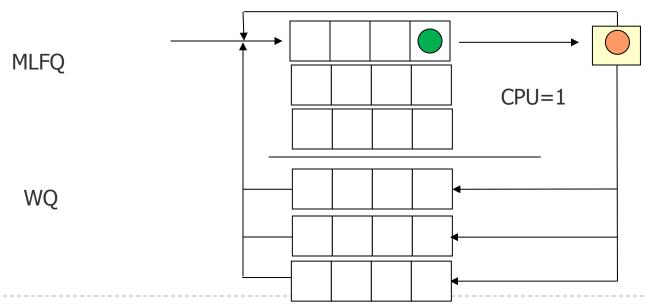


Global Time 1 Running

COMPUTE COMPUTE COMPUTE READ SCREEN 2 COMPUTE COMPUTE COMPUTE

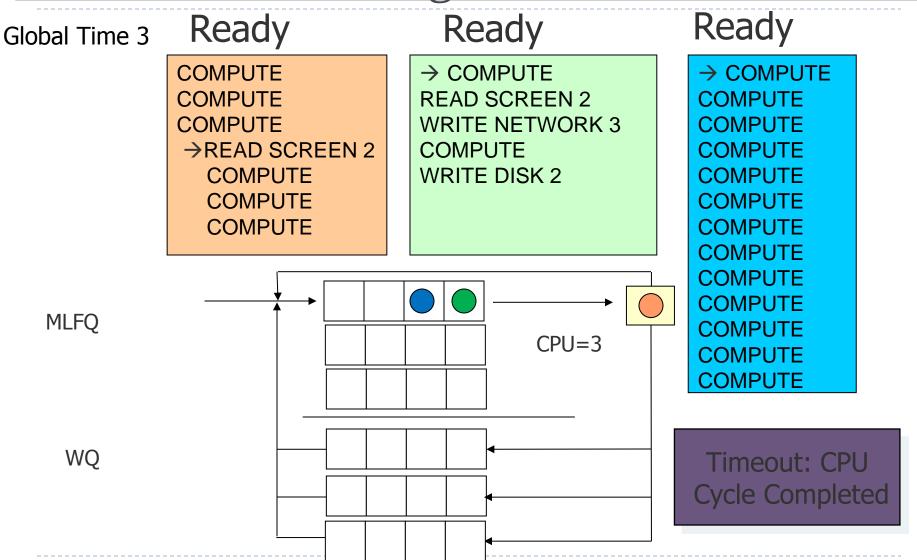
Ready

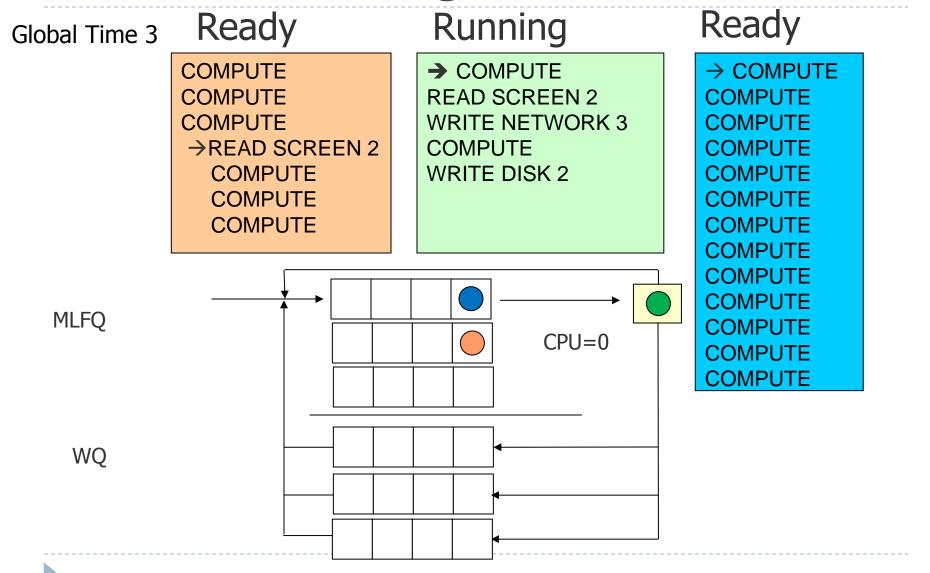
→ COMPUTE
READ SCREEN 2
WRITE NETWORK 3
COMPUTE
WRITE DISK 2

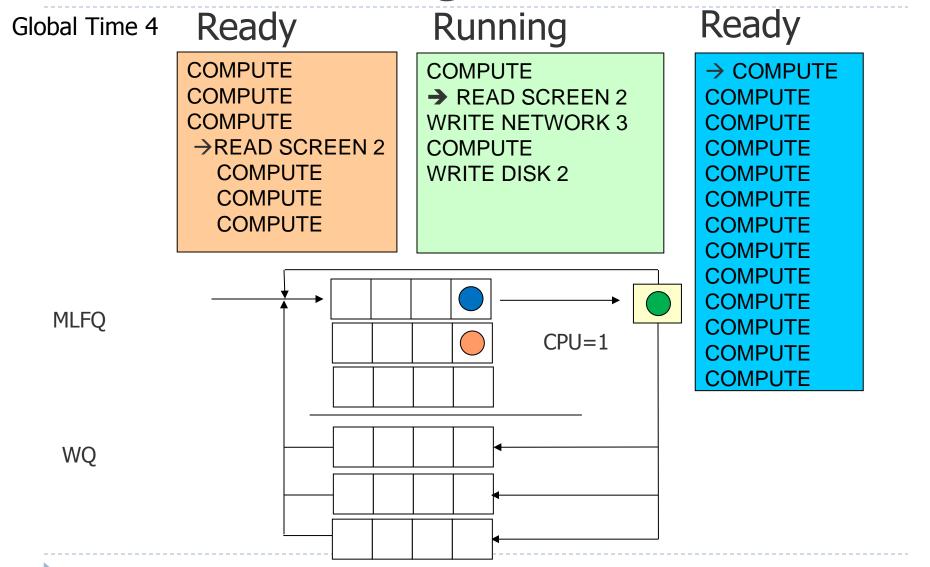


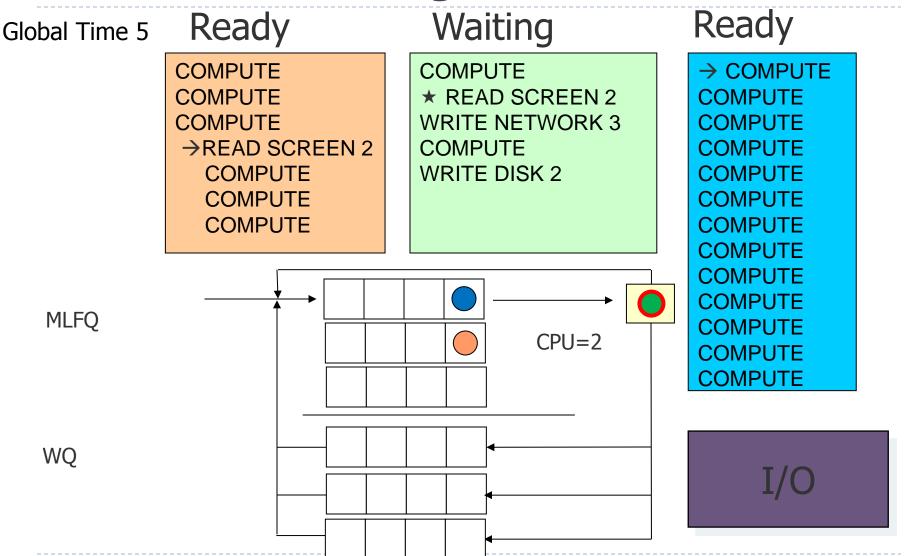
5

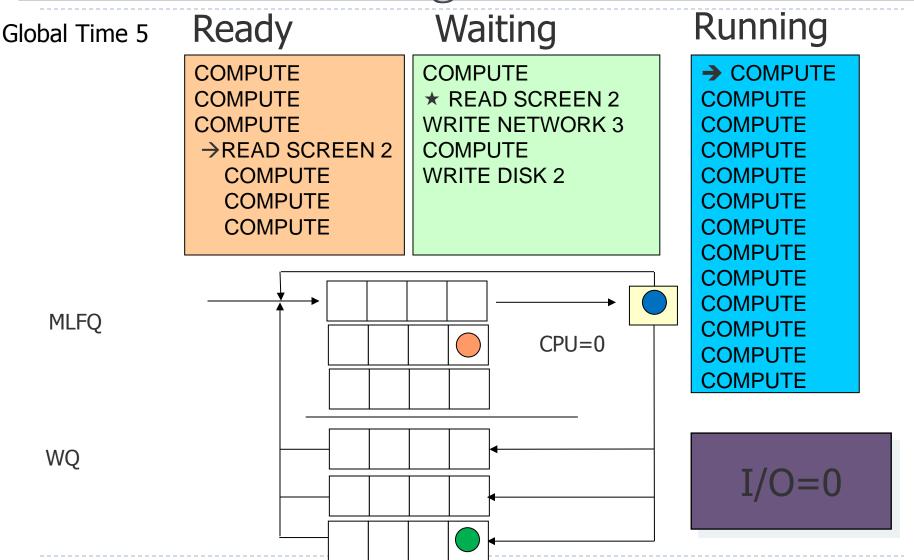
Global Time 2 Running Ready Ready **COMPUTE** → COMPUTE → COMPUTE **COMPUTE READ SCREEN 2** COMPUTE → COMPUTE **WRITE NETWORK 3 COMPUTE READ SCREEN 2 COMPUTE COMPUTE COMPUTE** WRITE DISK 2 **COMPUTE COMPUTE** COMPUTE COMPUTE **COMPUTE** COMPUTE **COMPUTE COMPUTE** MLFQ COMPUTE CPU=2**COMPUTE COMPUTE** WQ

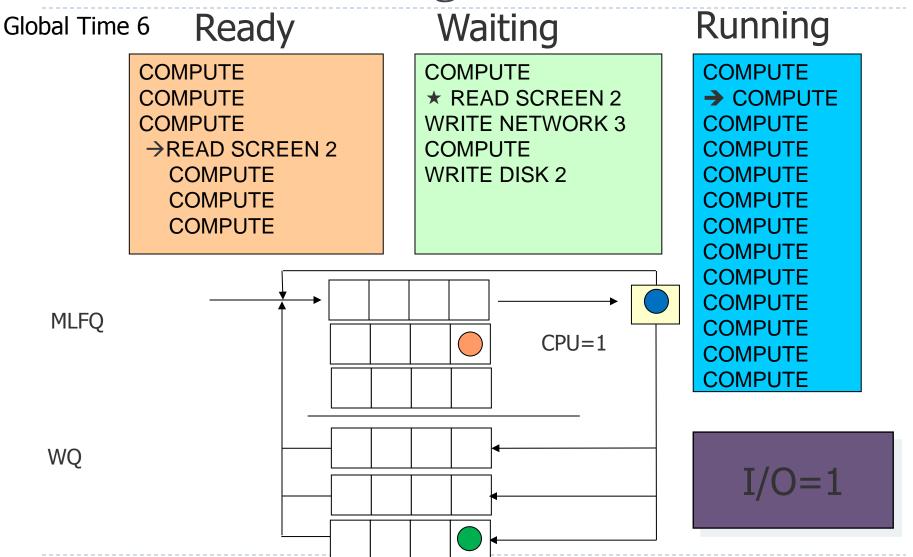


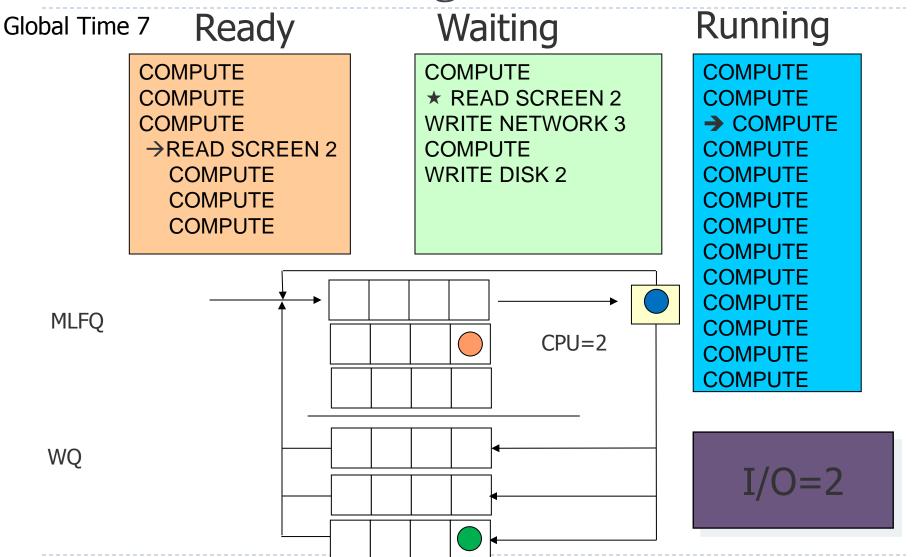




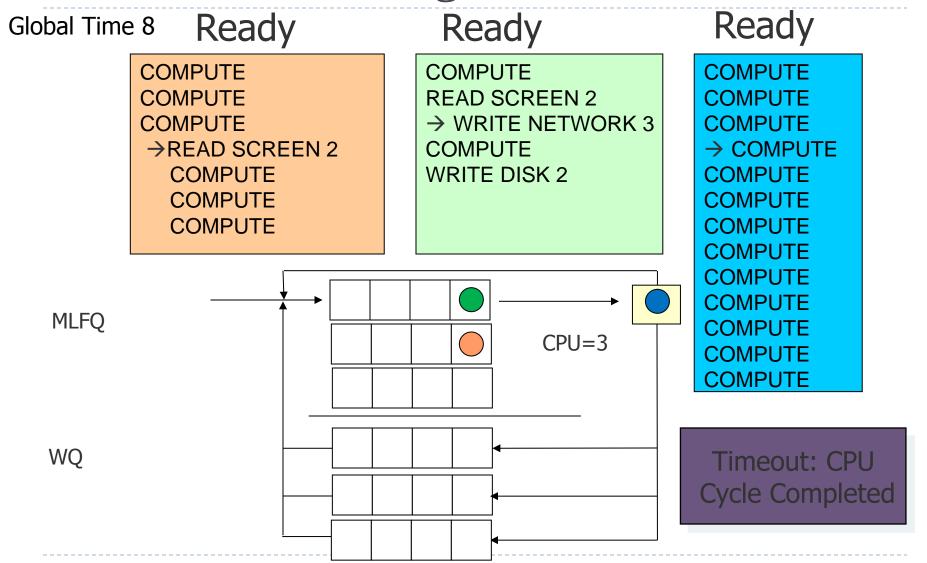


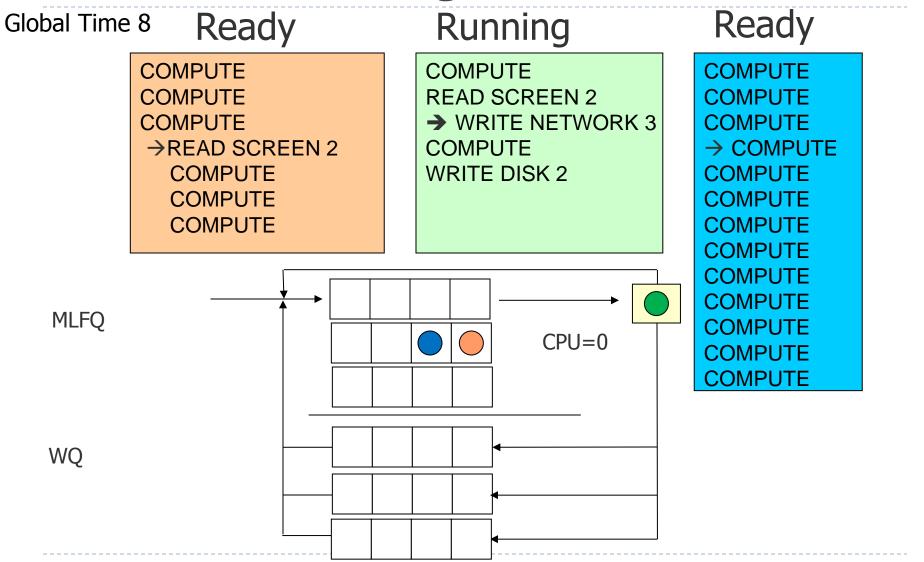


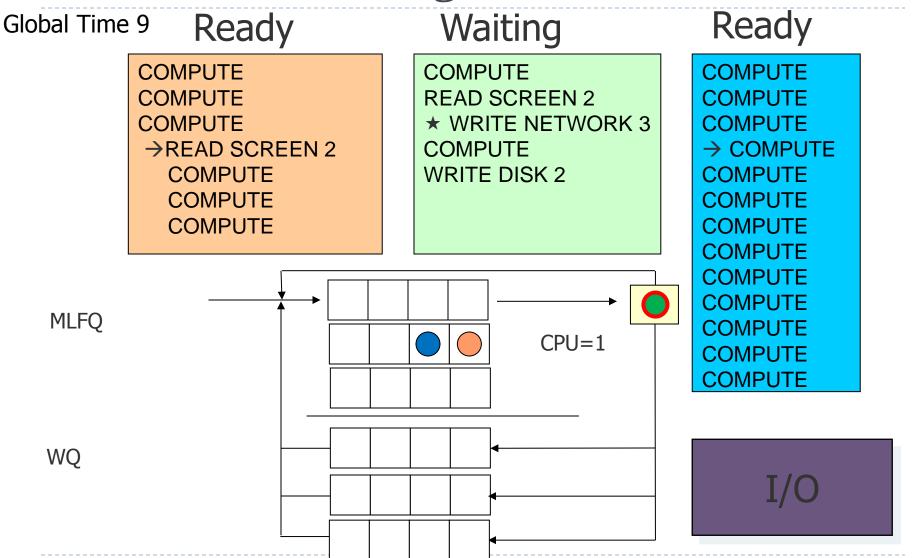


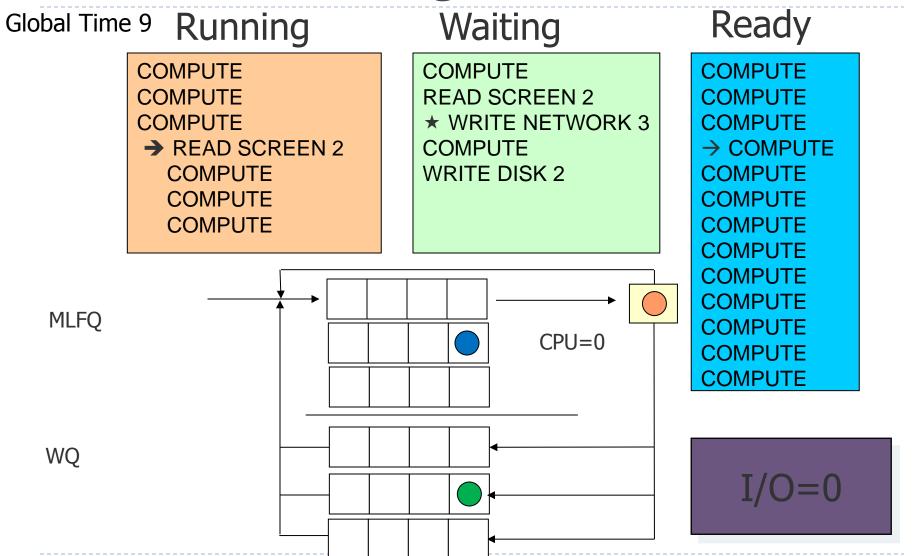


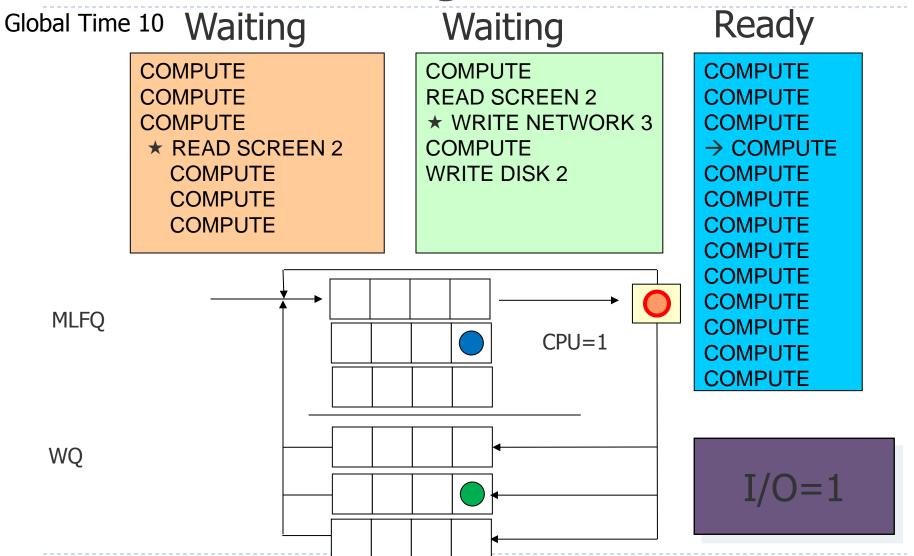
Ready Ready Running Global Time 7 **COMPUTE COMPUTE COMPUTE COMPUTE READ SCREEN 2** COMPUTE **COMPUTE** → WRITE NETWORK 3 → COMPUTE → READ SCREEN 2 **COMPUTE COMPUTE** WRITE DISK 2 **COMPUTE** COMPUTE **COMPUTE COMPUTE COMPUTE COMPUTE** COMPUTE **COMPUTE COMPUTE** MLFQ COMPUTE CPU=2**COMPUTE COMPUTE** WQ

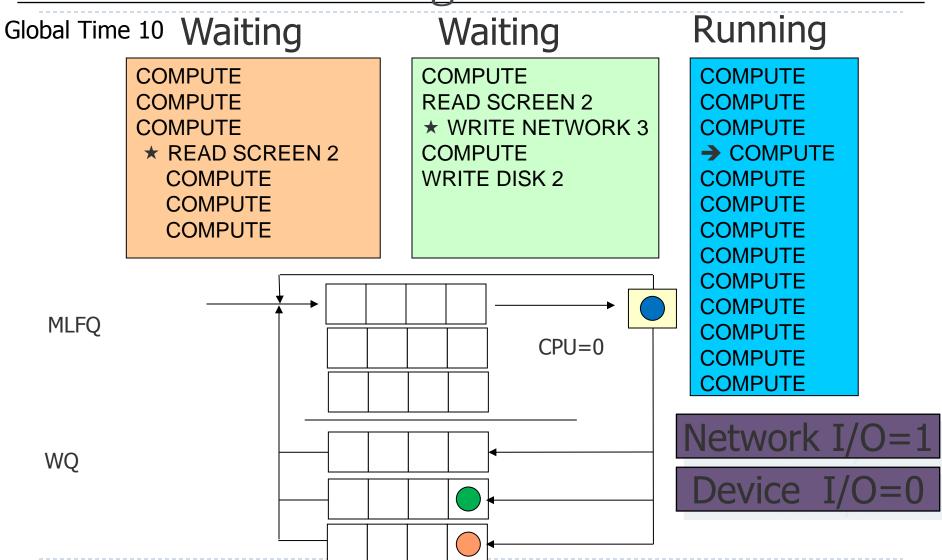


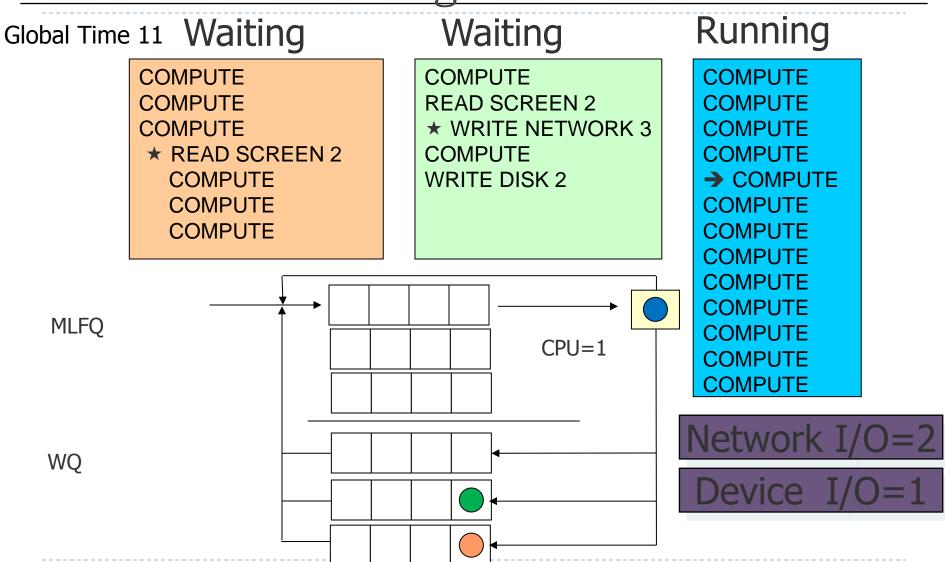


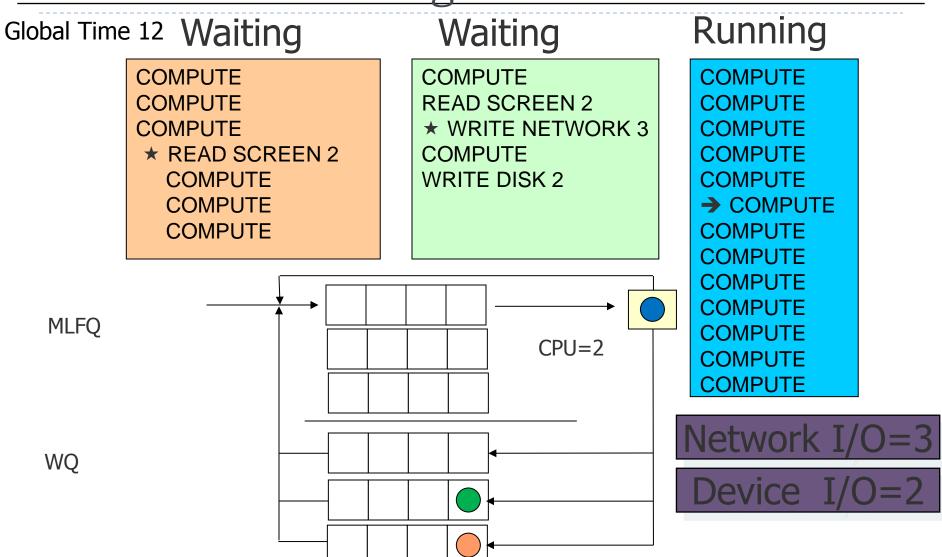










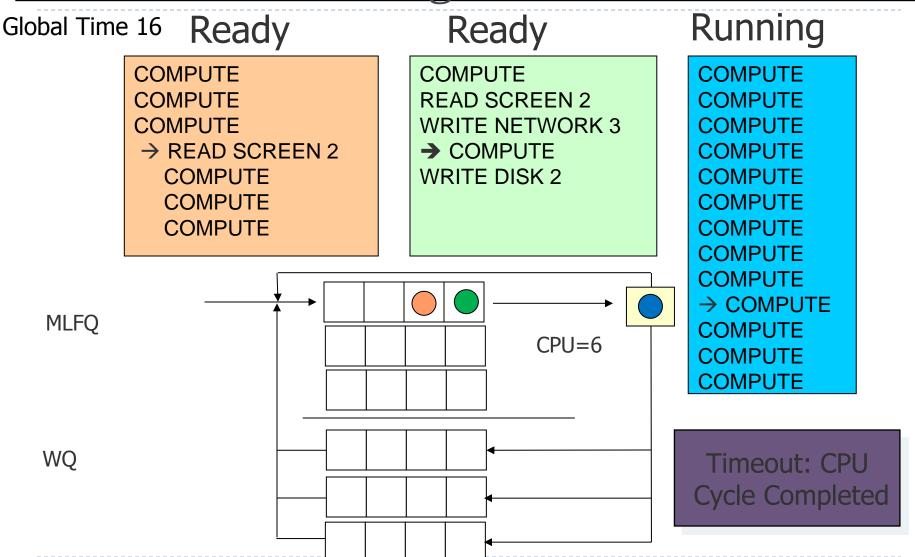


Global Time 12 Ready Ready Running **COMPUTE COMPUTE** COMPUTE **COMPUTE READ SCREEN 2** COMPUTE **COMPUTE WRITE NETWORK 3 COMPUTE READ SCREEN 2** → COMPUTE **COMPUTE** → COMPUTE WRITE DISK 2 COMPUTE **COMPUTE** → COMPUTE **COMPUTE COMPUTE** COMPUTE **COMPUTE COMPUTE** MLFQ **COMPUTE** CPU=2**COMPUTE COMPUTE** WQ

Global Time 13 Ready Ready Running **COMPUTE COMPUTE** COMPUTE **COMPUTE READ SCREEN 2** COMPUTE **COMPUTE WRITE NETWORK 3 COMPUTE READ SCREEN 2** → COMPUTE **COMPUTE** → COMPUTE WRITE DISK 2 **COMPUTE COMPUTE** COMPUTE **COMPUTE** → COMPUTE COMPUTE **COMPUTE COMPUTE** MLFQ **COMPUTE** CPU=3 **COMPUTE COMPUTE** WQ

Global Time 14 Ready Ready Running **COMPUTE COMPUTE** COMPUTE **COMPUTE READ SCREEN 2** COMPUTE **COMPUTE WRITE NETWORK 3 COMPUTE READ SCREEN 2** → COMPUTE **COMPUTE** → COMPUTE WRITE DISK 2 **COMPUTE COMPUTE COMPUTE COMPUTE COMPUTE** → COMPUTE **COMPUTE COMPUTE** MLFQ **COMPUTE** CPU=4 **COMPUTE COMPUTE** WQ

Ready Ready Running Global Time 15 **COMPUTE COMPUTE COMPUTE COMPUTE READ SCREEN 2** COMPUTE **COMPUTE WRITE NETWORK 3 COMPUTE READ SCREEN 2** → COMPUTE **COMPUTE** → COMPUTE WRITE DISK 2 **COMPUTE COMPUTE COMPUTE COMPUTE COMPUTE** COMPUTE → COMPUTE **COMPUTE** MLFQ **COMPUTE** CPU=5**COMPUTE COMPUTE** WQ



Global Time 16 Ready

COMPUTE
COMPUTE
COMPUTE

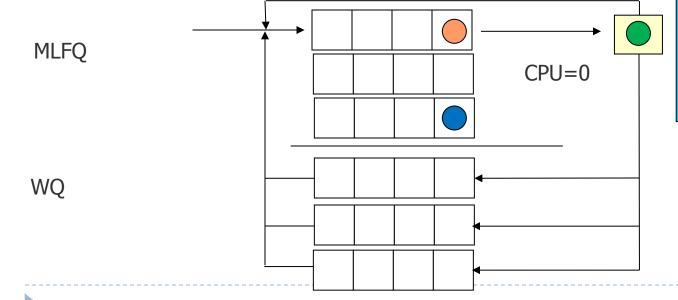
→ READ SCREEN 2
COMPUTE
COMPUTE
COMPUTE

Running

COMPUTE
READ SCREEN 2
WRITE NETWORK 3
→ COMPUTE
WRITE DISK 2

Ready

COMPUTE



And they run happily ever after till every process has executed all their instructions and terminate!