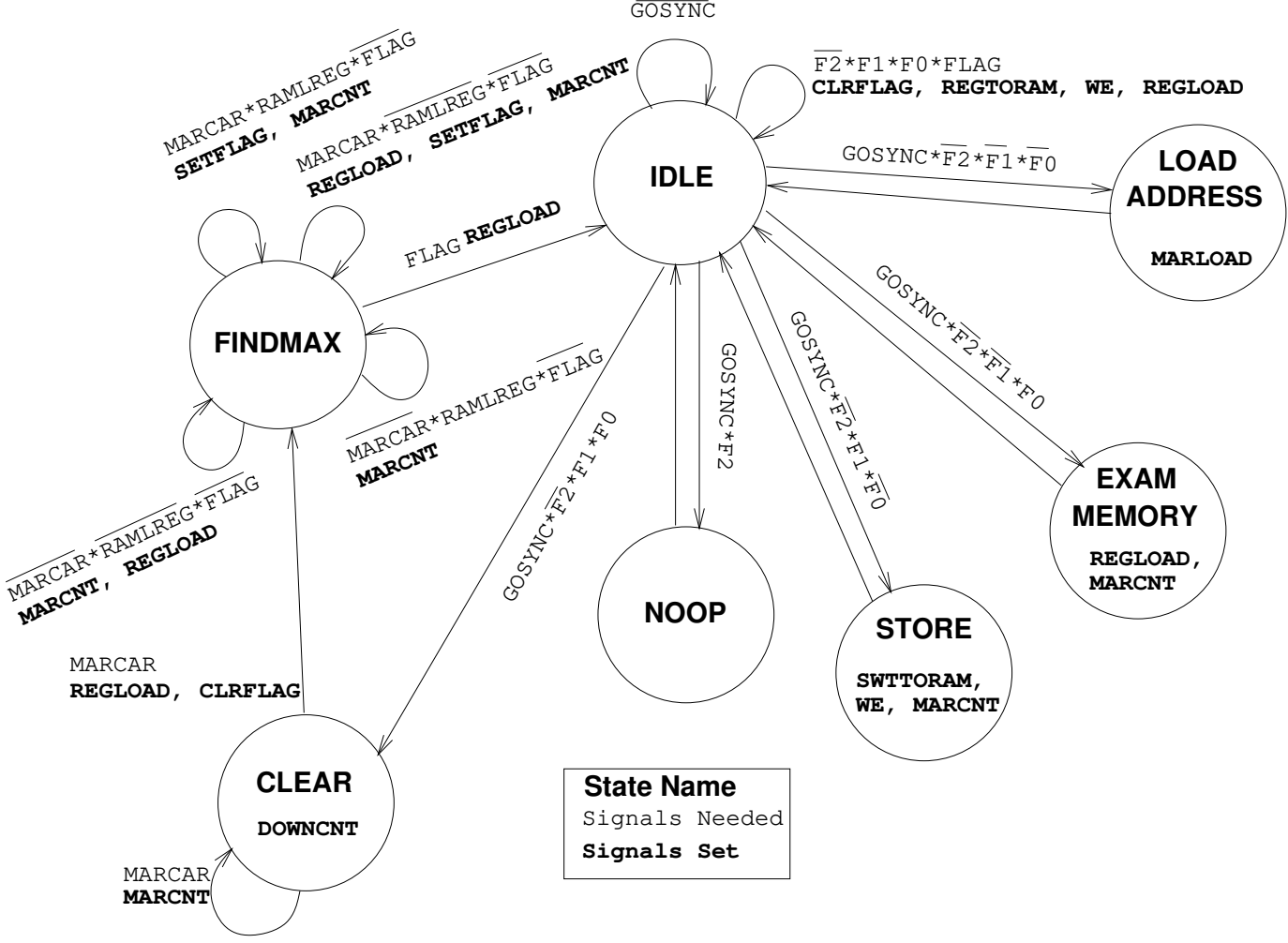
GOSYNC
MARCAR*RAMLREG*$\overline{\text{FLAG}}$
SETFLAG, MARCNT
MARCAR*RAMLREG*$\overline{\text{FLAG}}$
REGLOAD, SETFLAG, MARCNT
$\overline{\text{F2}}$*F1*F0*FLAG
CLRFLAG, REGTORAM, WE, REGLOAD
IDLE
GOSYNC*$\overline{\text{F2}}$*$\overline{\text{F1}}$*$\overline{\text{F0}}$
LOAD ADDRESS
MARLOAD
FLAG REGLOAD
FINDMAX
GOSYNC*$\overline{\text{F2}}$*F1*F0
EXAM MEMORY
REGLOAD, MARCNT
GOSYNC*F2
GOSYNC*$\overline{\text{F2}}$*F1*$\overline{\text{F0}}$
MARCAR*RAMLREG*$\overline{\text{FLAG}}$
MARCNT
GOSYNC*$\overline{\text{F2}}$*F1*F0
NOOP
STORE
SWTTORAM, WE, MARCNT
MARCAR*RAMLREG*$\overline{\text{FLAG}}$
MARCNT, REGLOAD
MARCAR
REGLOAD, CLRFLAG
CLEAR
DOWNCNT
MARCAR
MARCNT
State Name
Signals Needed
Signals Set