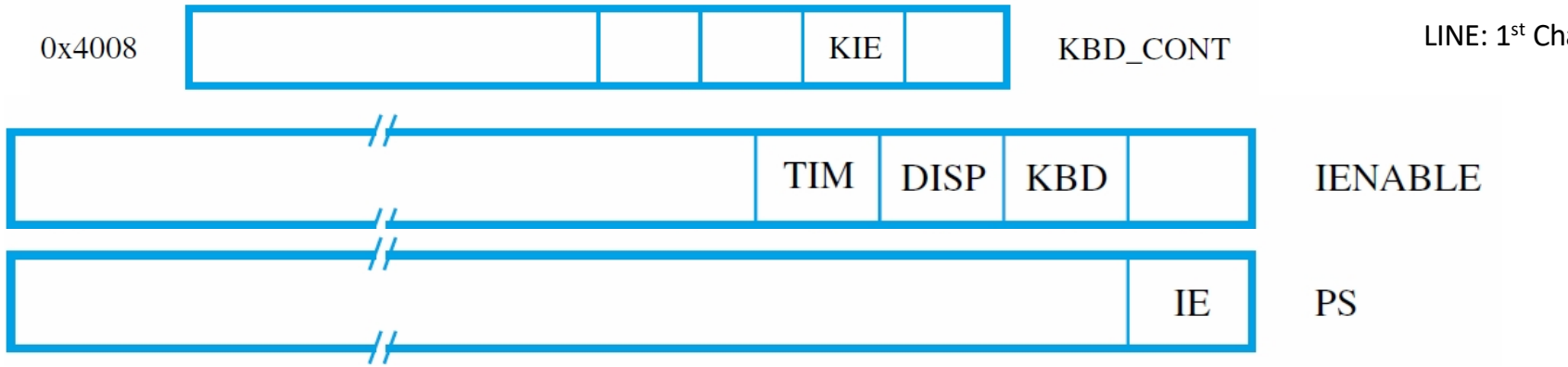
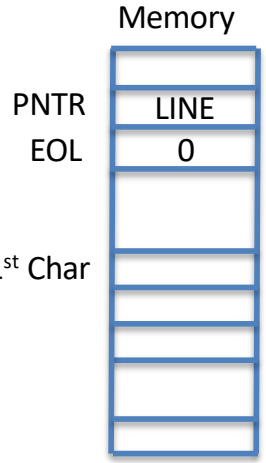
Fig 3.8 Main (Assignment)

Main program

```
START:  Move          R2, #LINE
        Store         R2, PNTR        Initialize buffer pointer.
        Clear         R2
        Store         R2, EOL         Clear end-of-line indicator.
        Move          R2, #2          Enable interrupts in
        StoreByte     R2, KBD_CONT     the keyboard interface.
        MoveControl   R2, IENABLE
        Or            R2, R2, #2      Enable keyboard interrupts in
        MoveControl   IENABLE, R2      the processor control register.
        MoveControl   R2, PS
        Or            R2, R2, #1
        MoveControl   PS, R2          Set interrupt-enable bit in PS.
        next instruction
```

1. What is the purpose of EOL?

2. Why these EIs use different instructions?

3. Why these two Writes to Control Registers use different instructions?