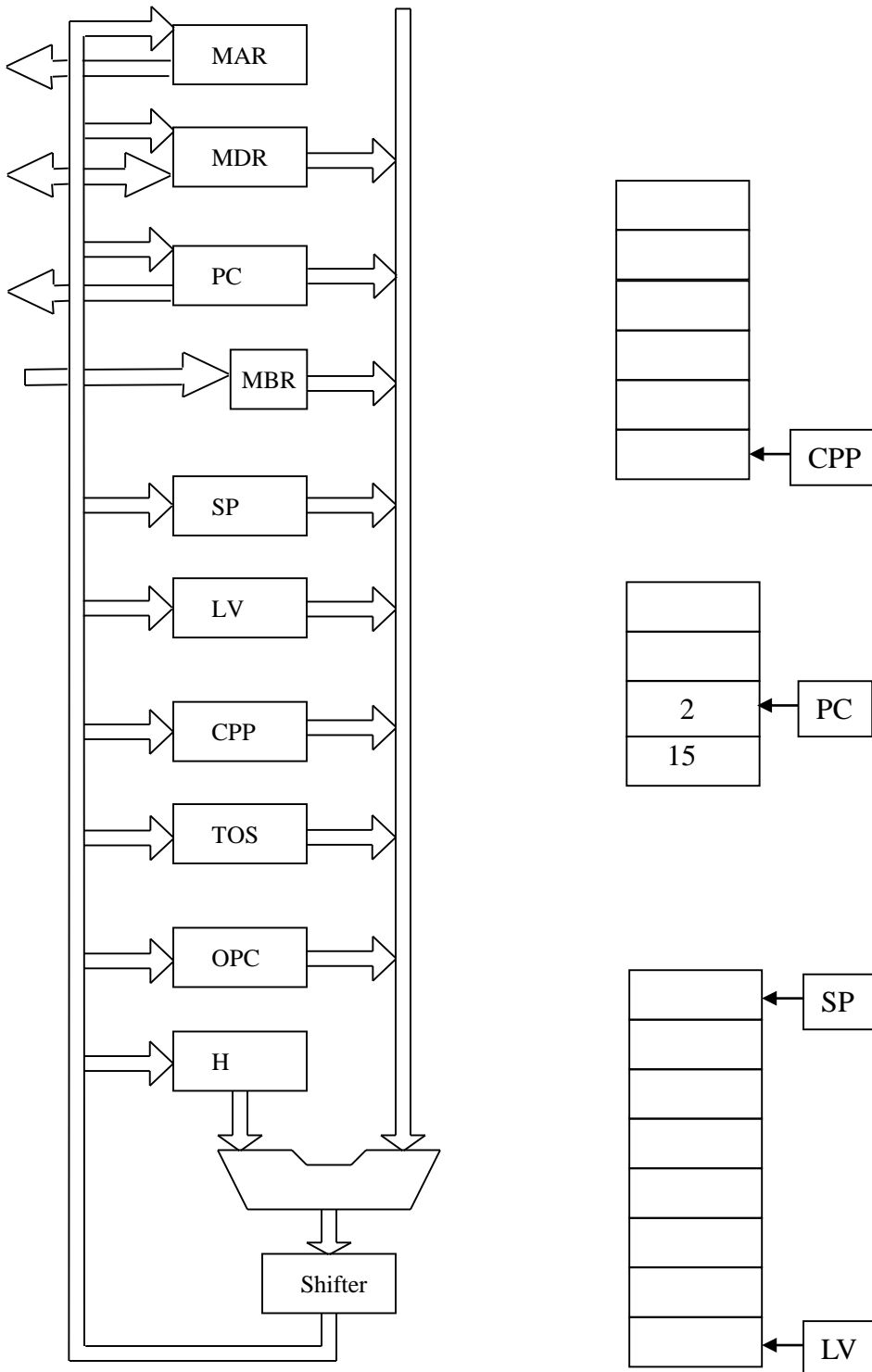
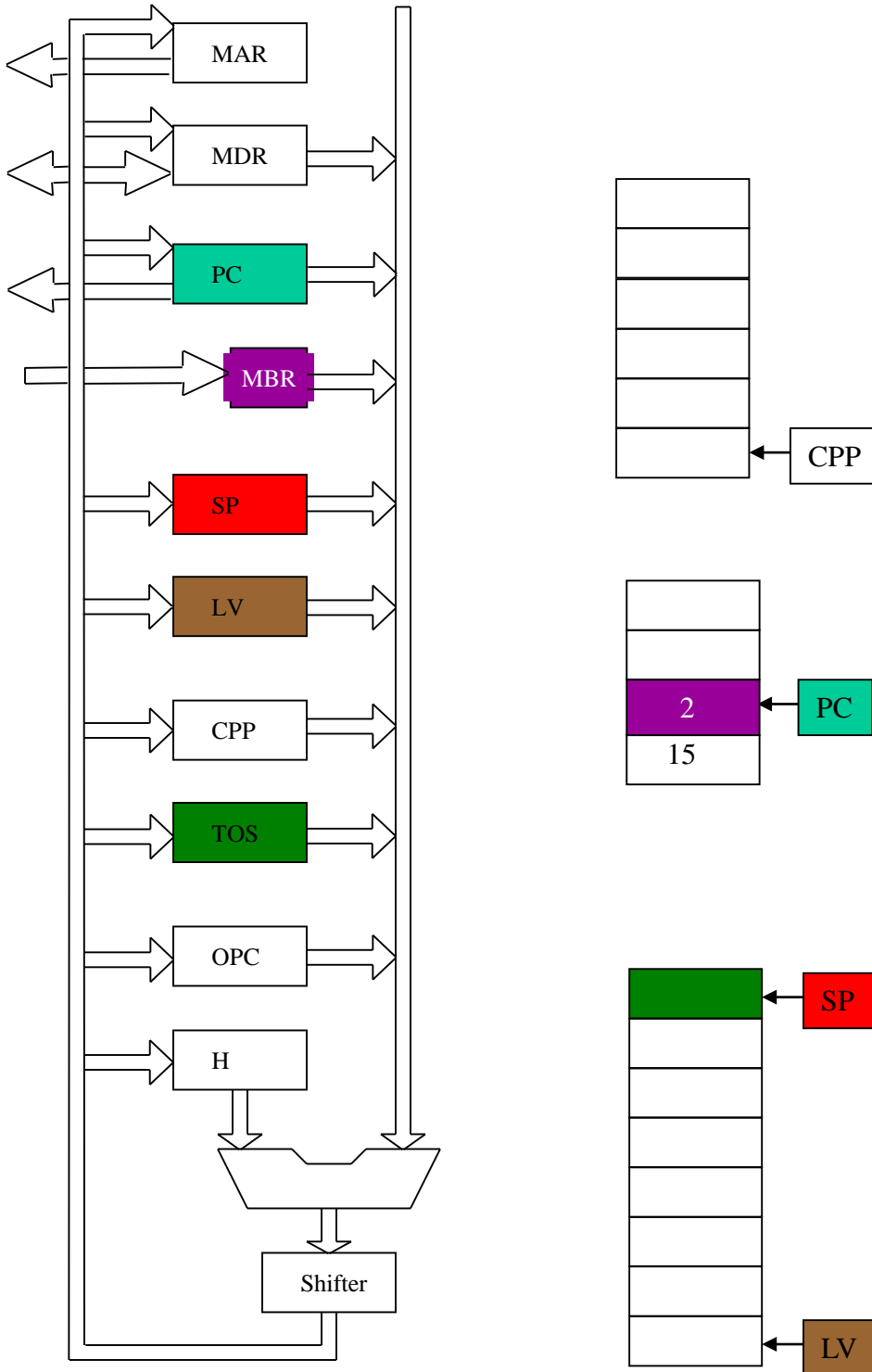


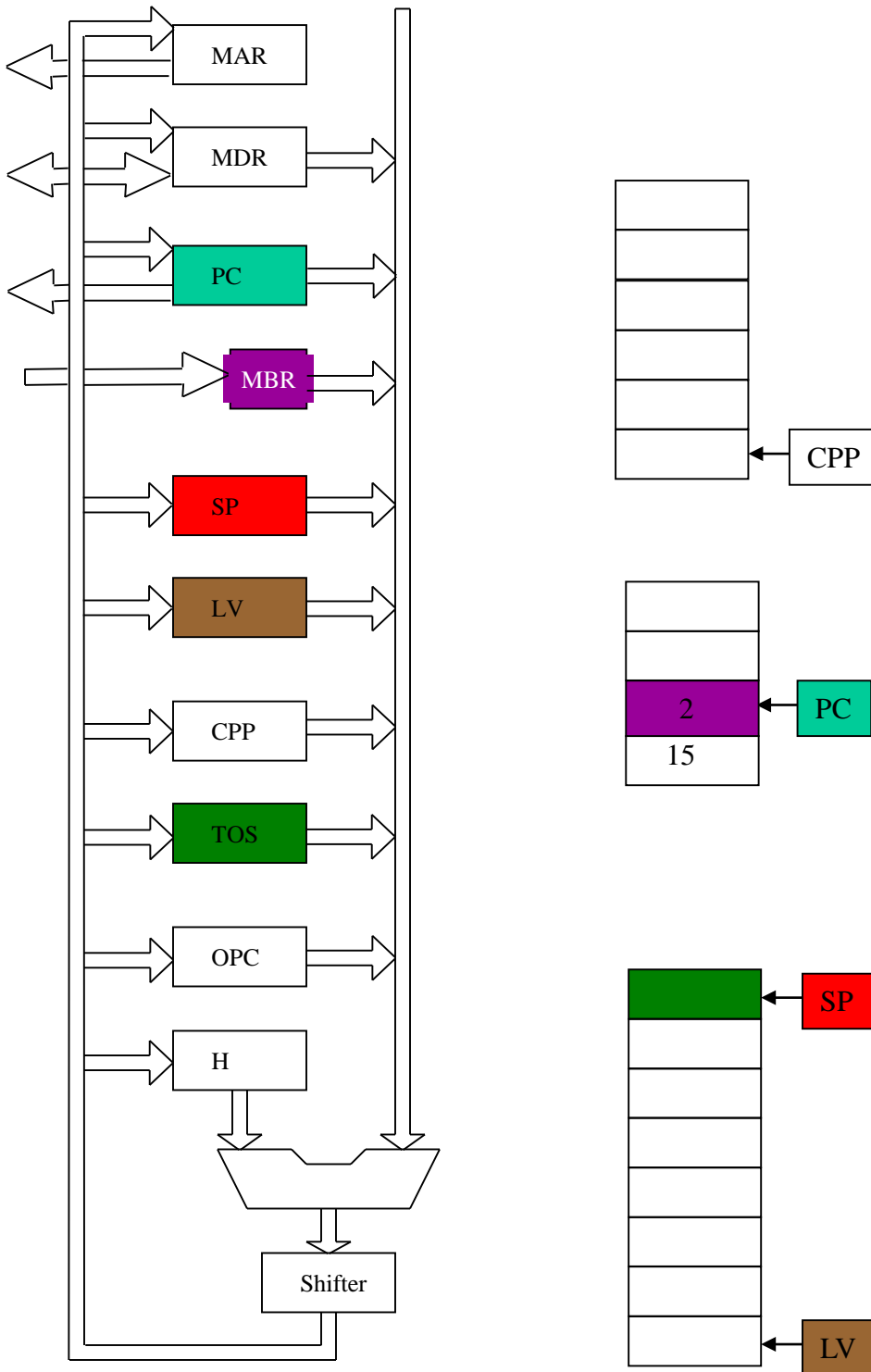
ILOAD 2



ILOAD 2

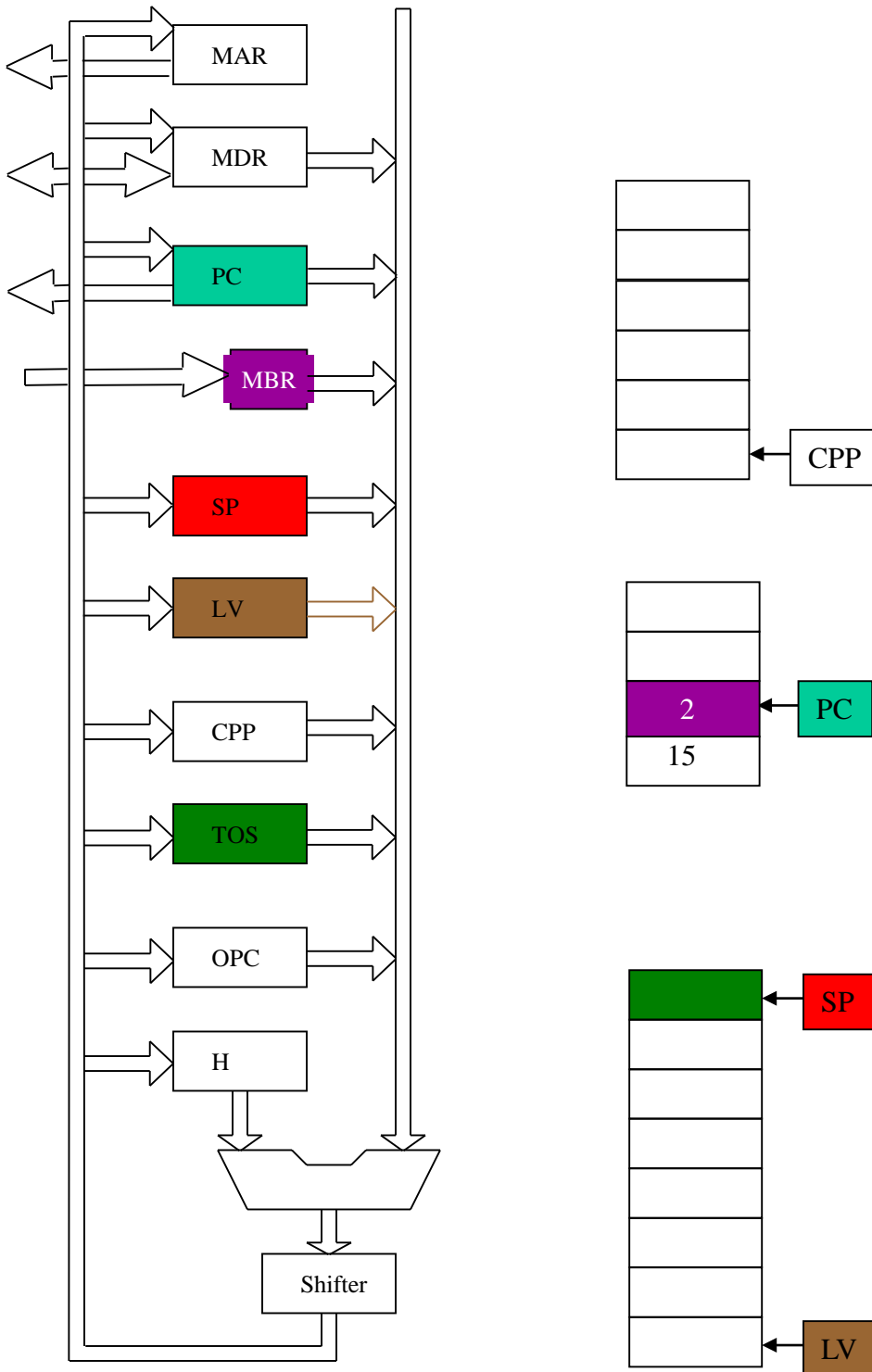


ILOAD 2



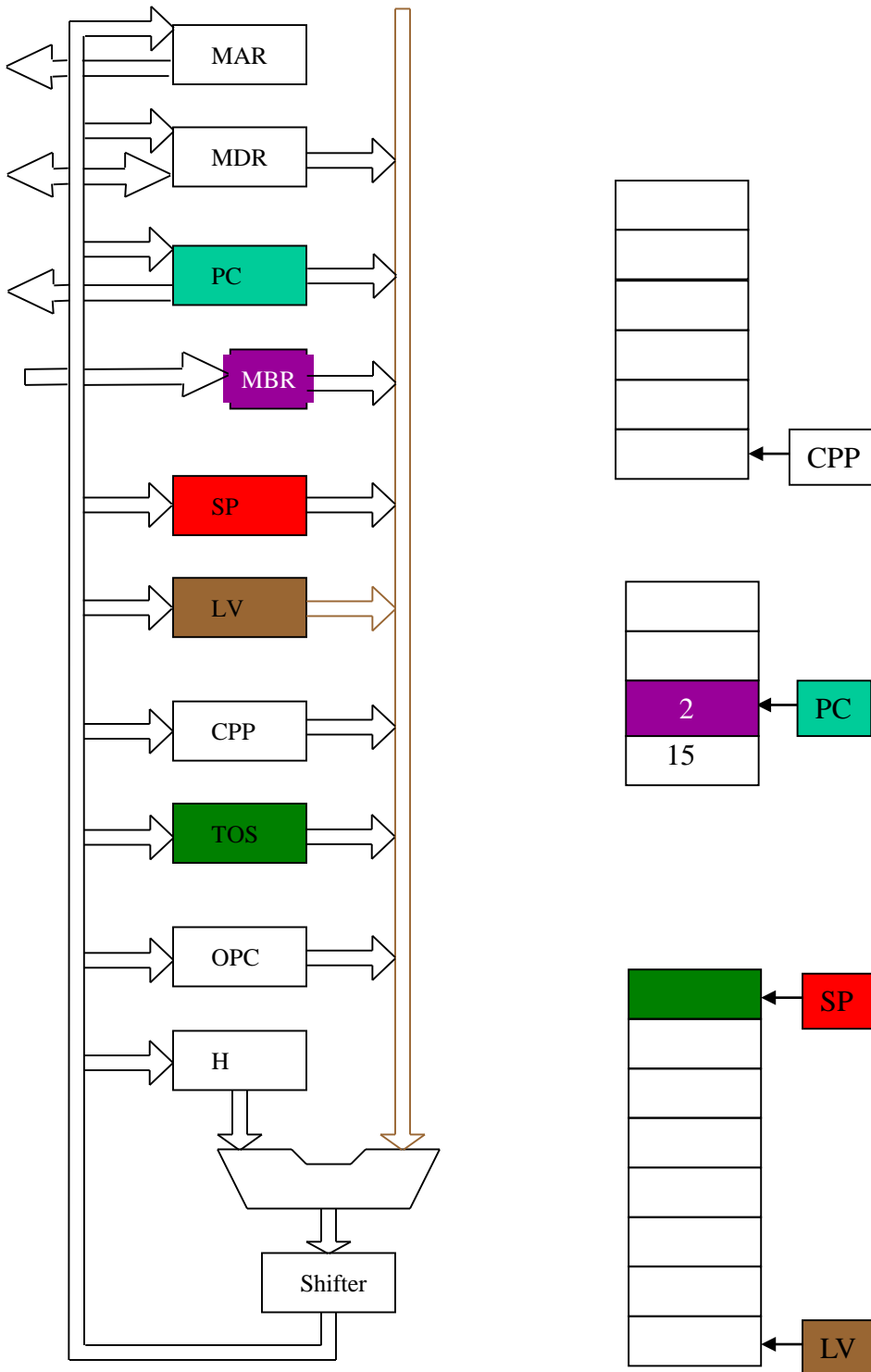
$$H = LV$$

ILOAD 2



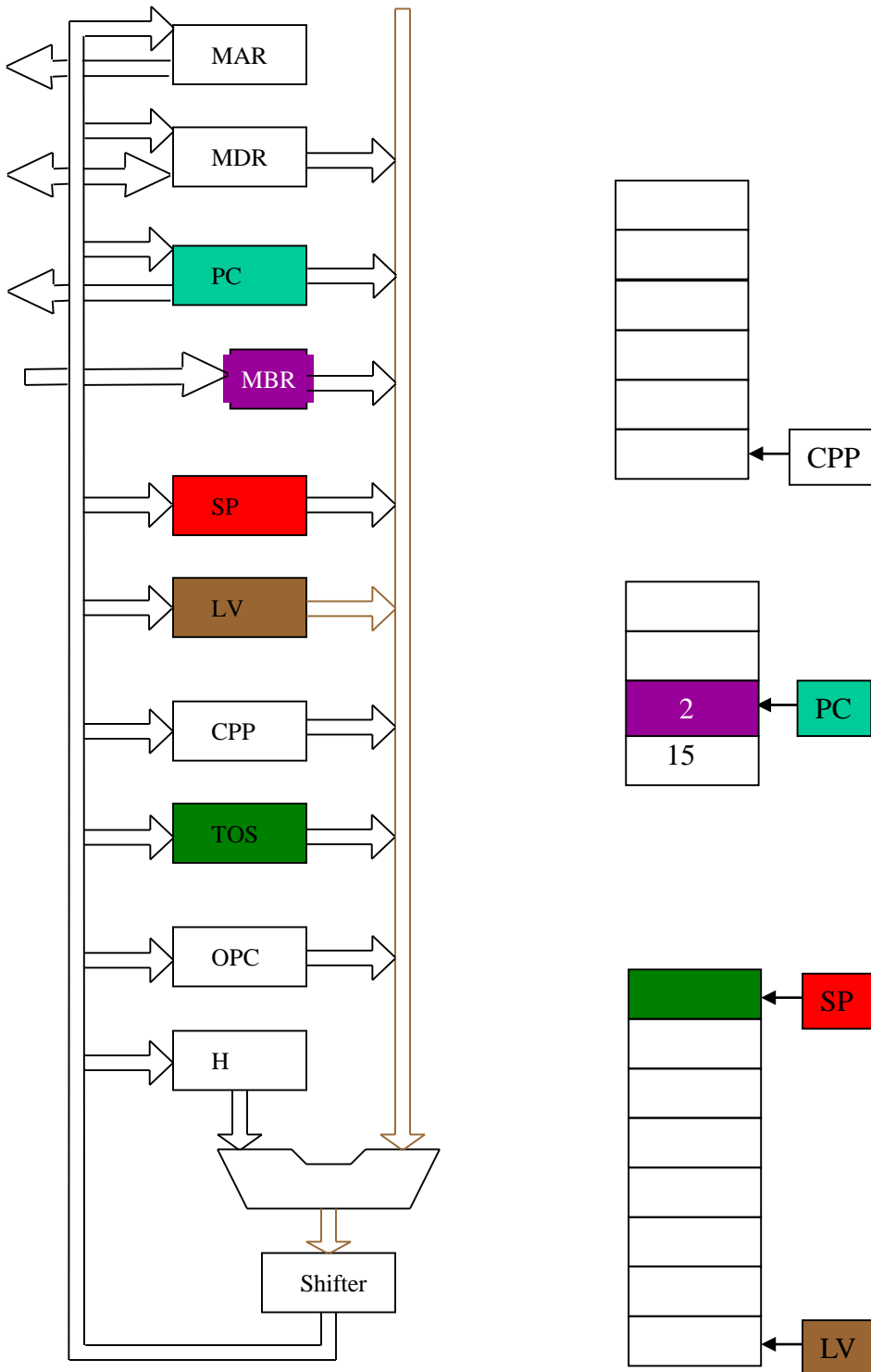
$$H = LV$$

ILOAD 2



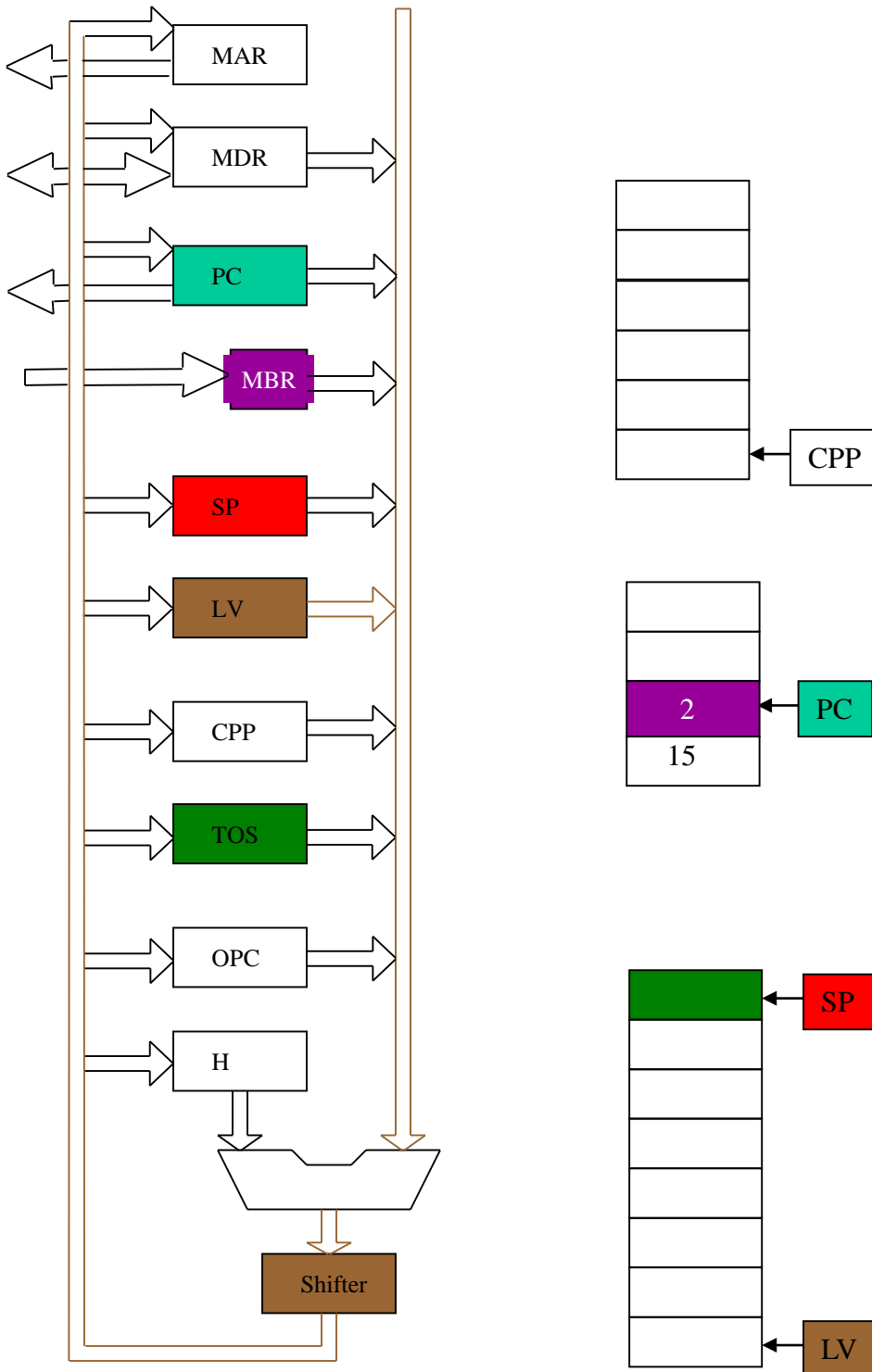
$$H = LV$$

ILOAD 2



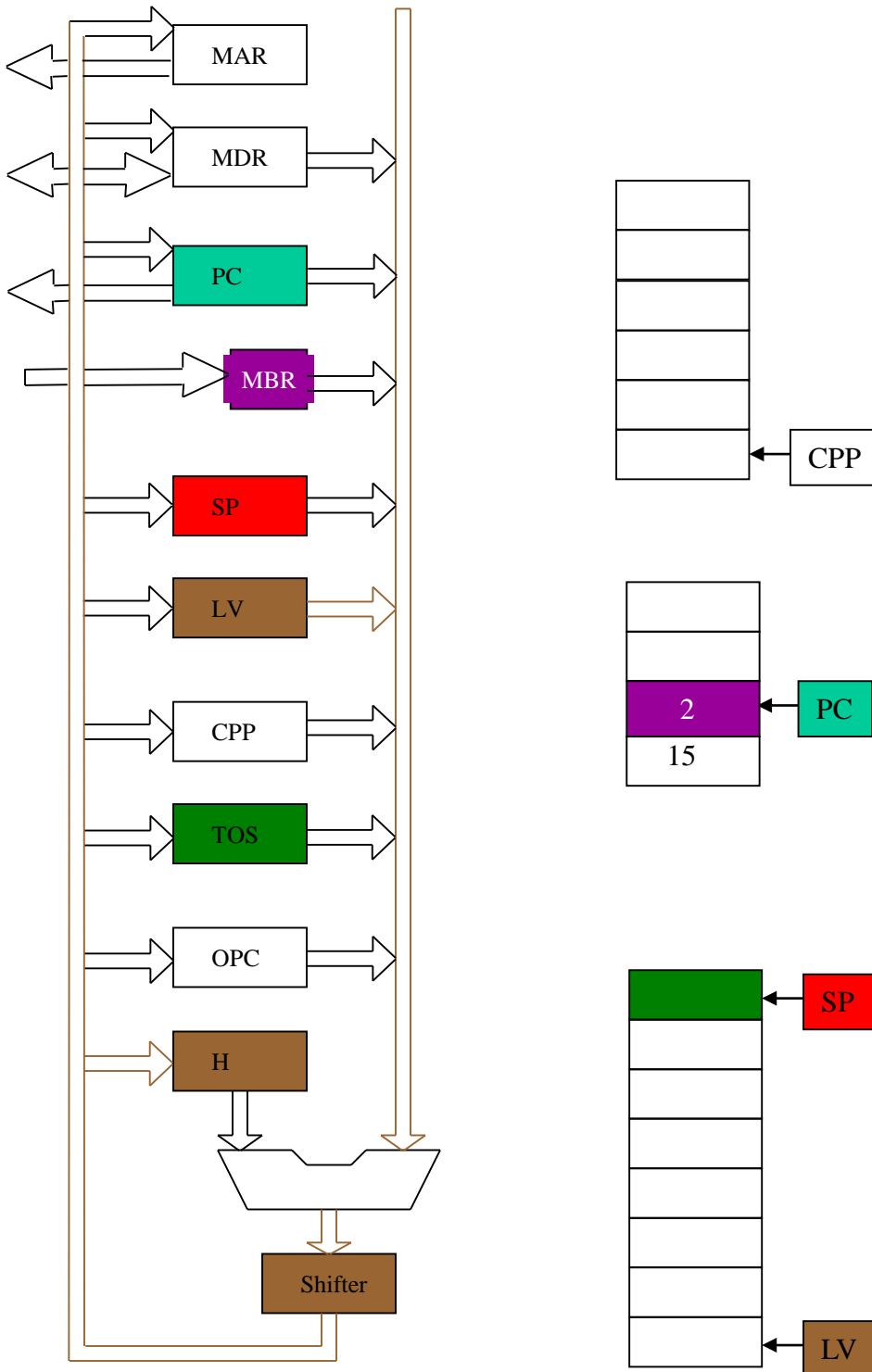
$$H = LV$$

ILOAD 2



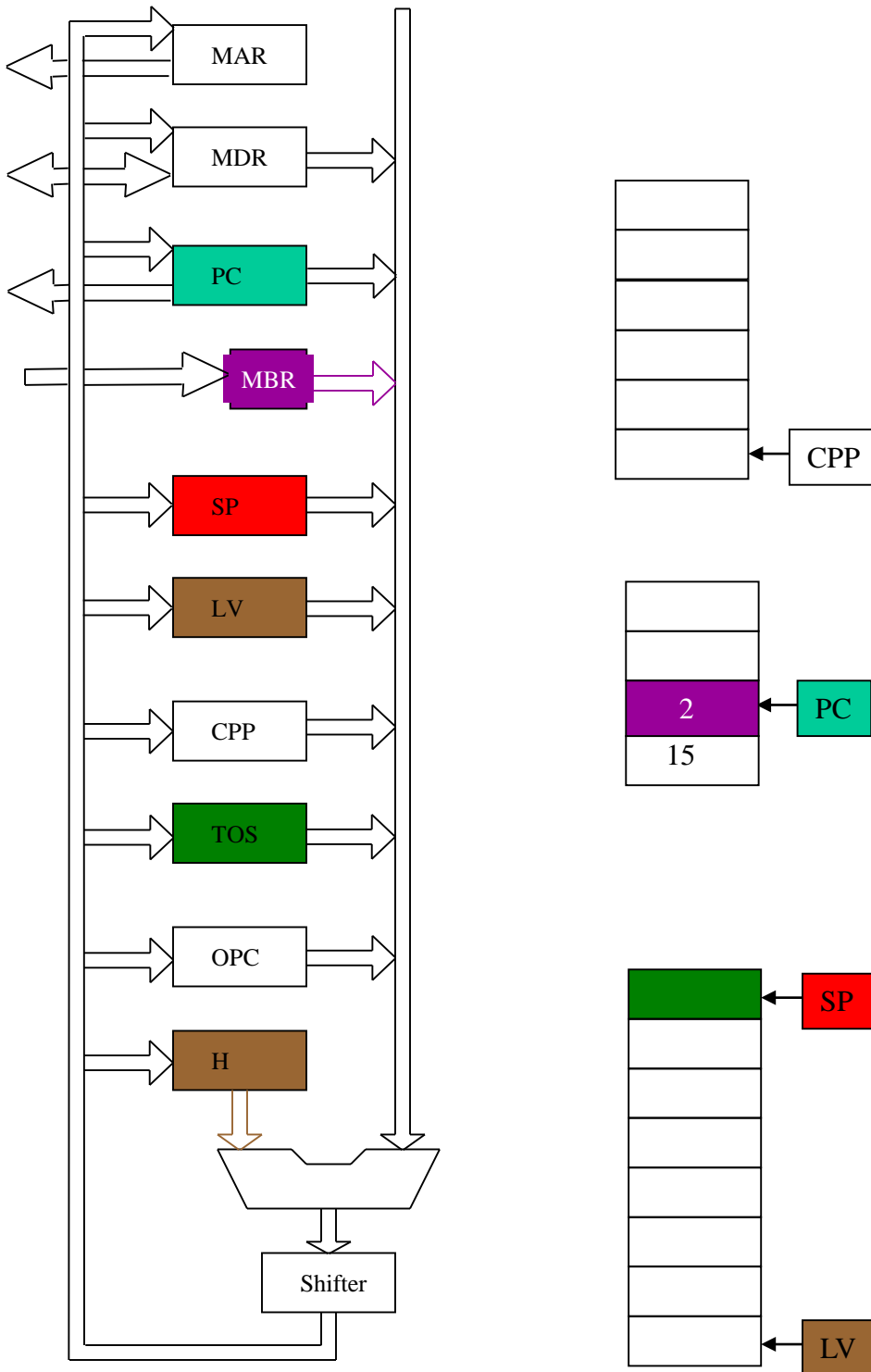
$$H = LV$$

ILOAD 2



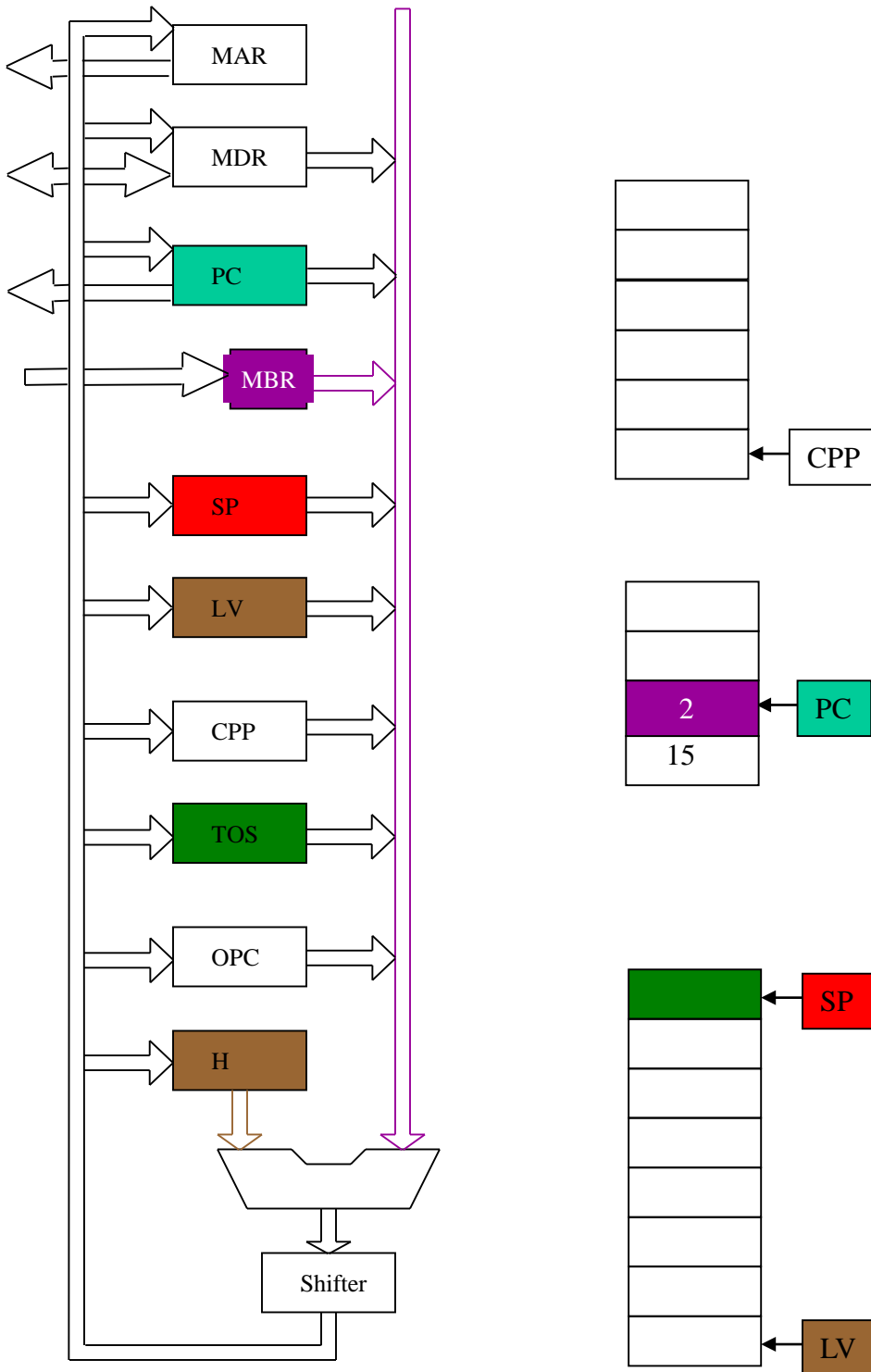
$$H = LV$$

ILOAD 2



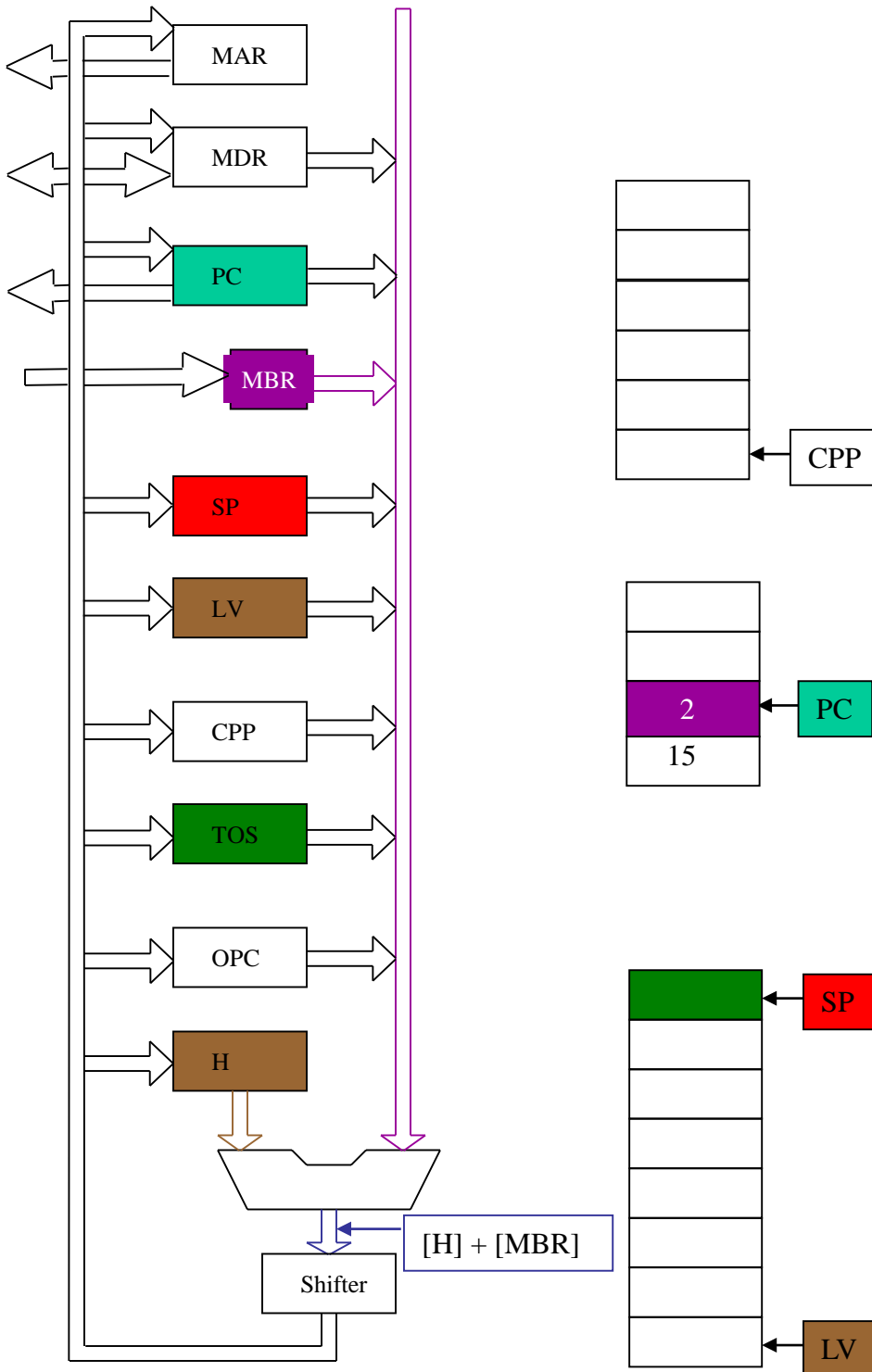
$$\text{MAR} = [\text{H}] + [\text{MBR}]_{\text{U}}; \text{read}$$

ILOAD 2



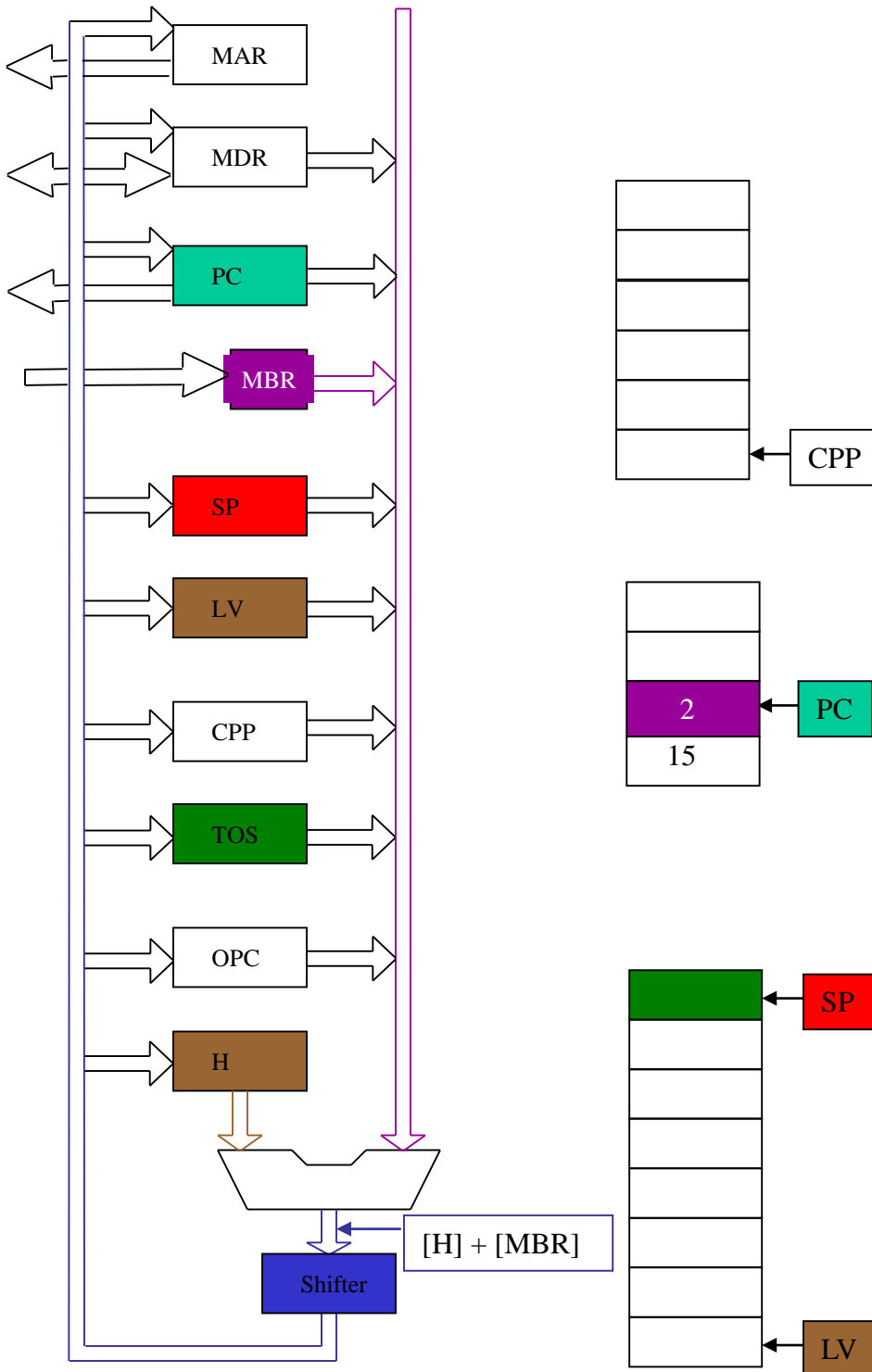
$$MAR = [H] + [MBR]_U; \text{read}$$

ILOAD 2



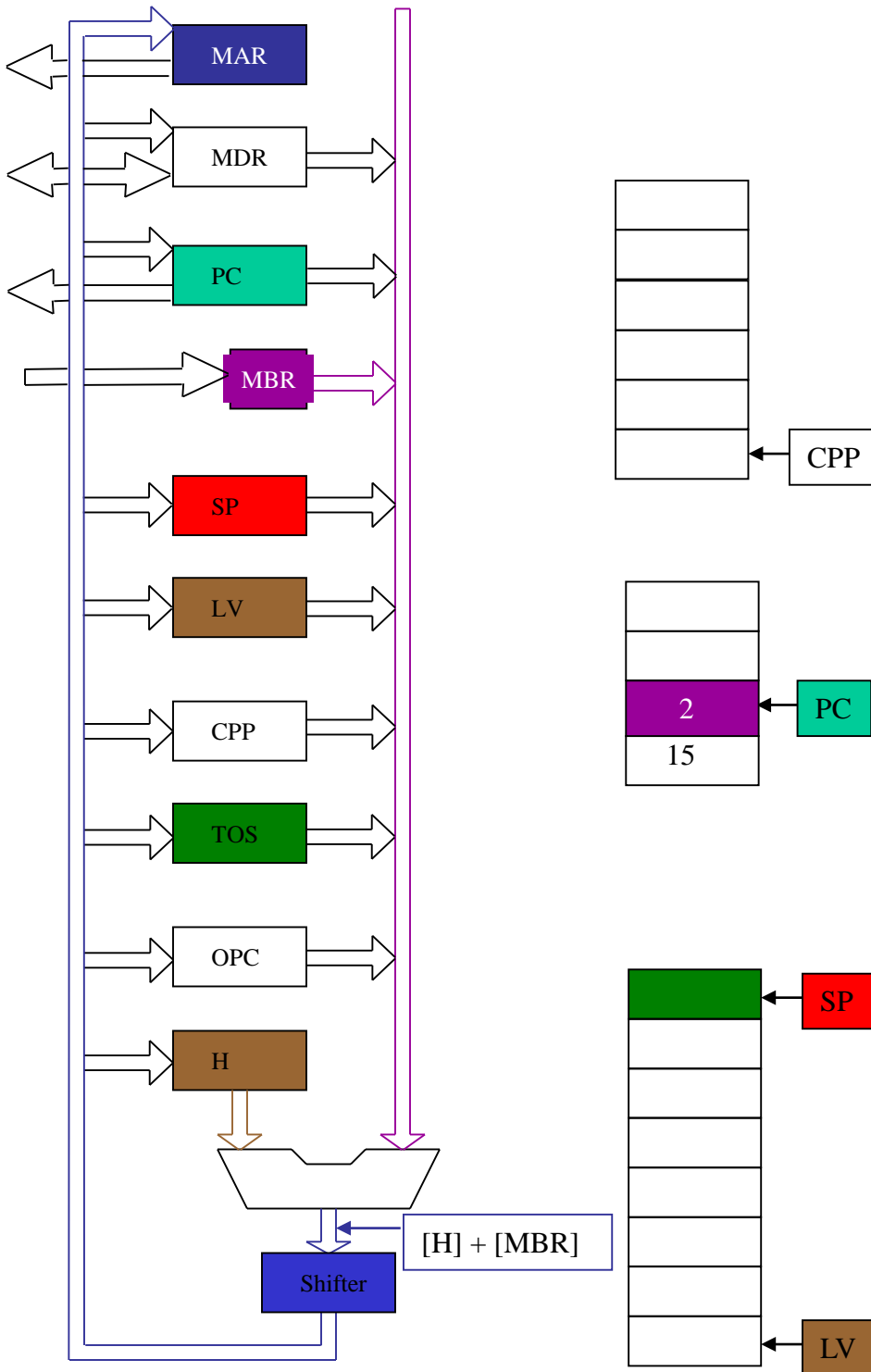
$$\text{MAR} = [H] + [MBR]_U; \text{read}$$

ILOAD 2



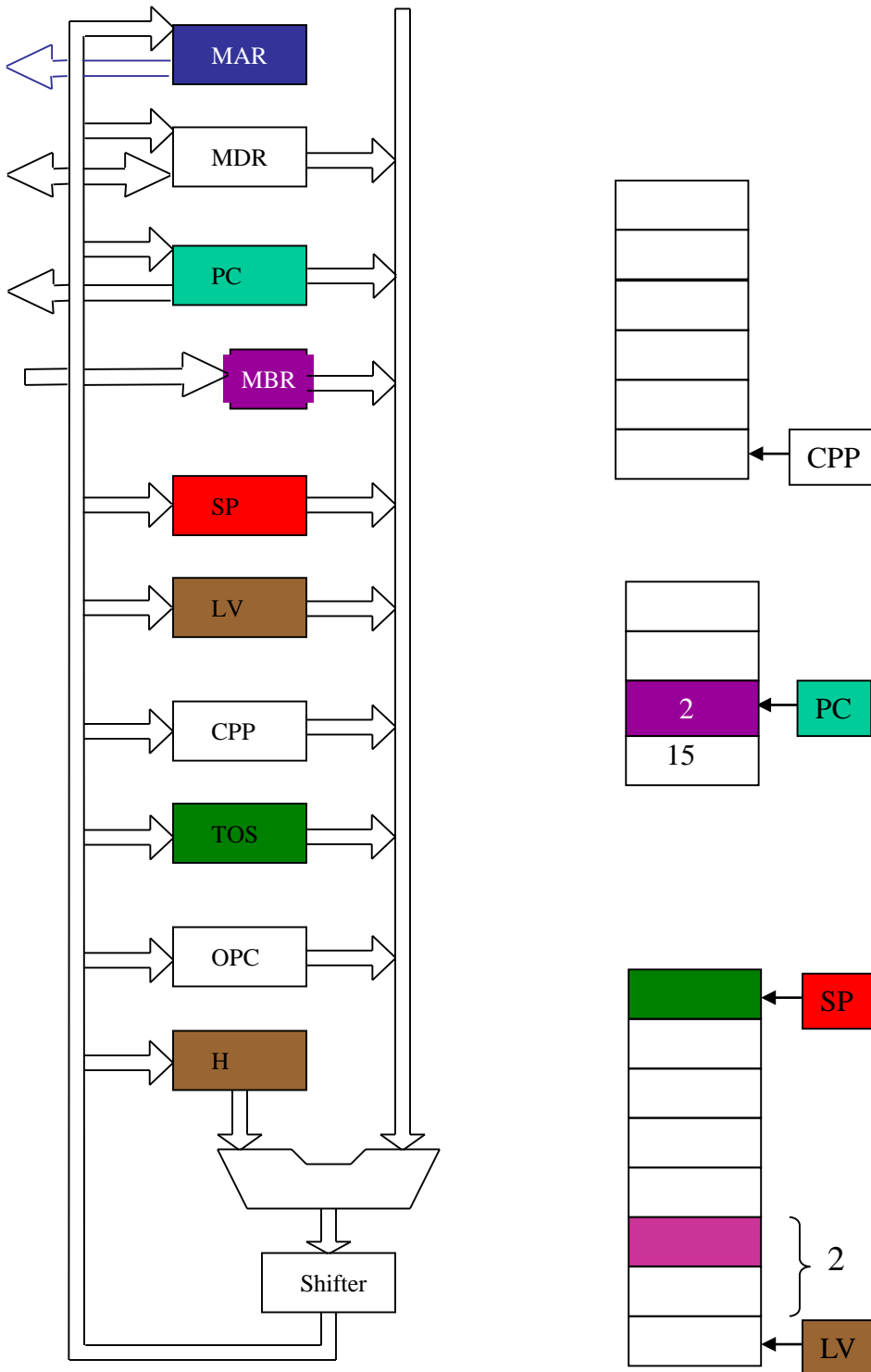
$$\text{MAR} = [H] + [MBR]_U; \text{read}$$

ILOAD 2



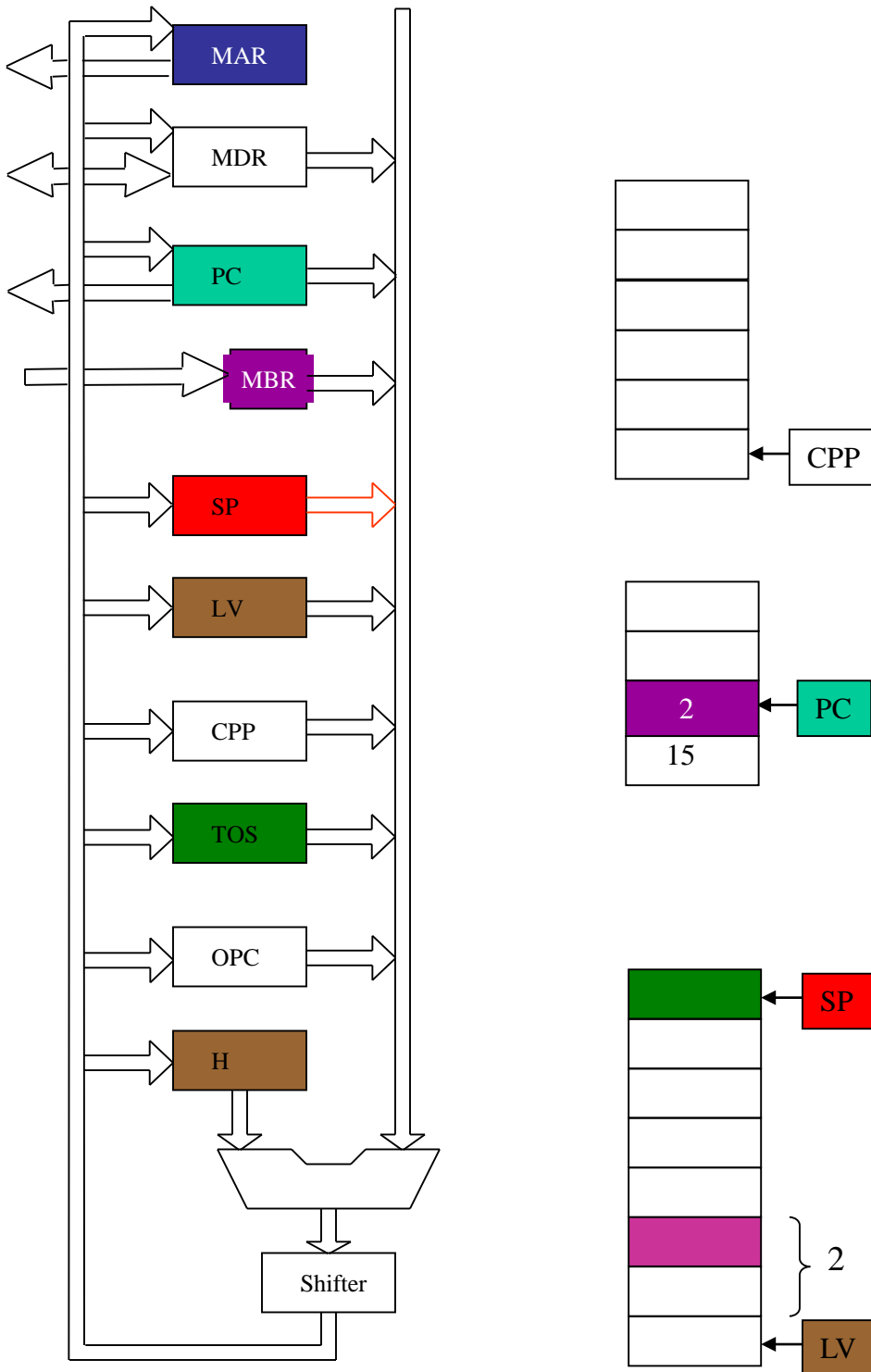
$$\text{MAR} = [H] + [MBR]_U; \text{read}$$

ILOAD 2



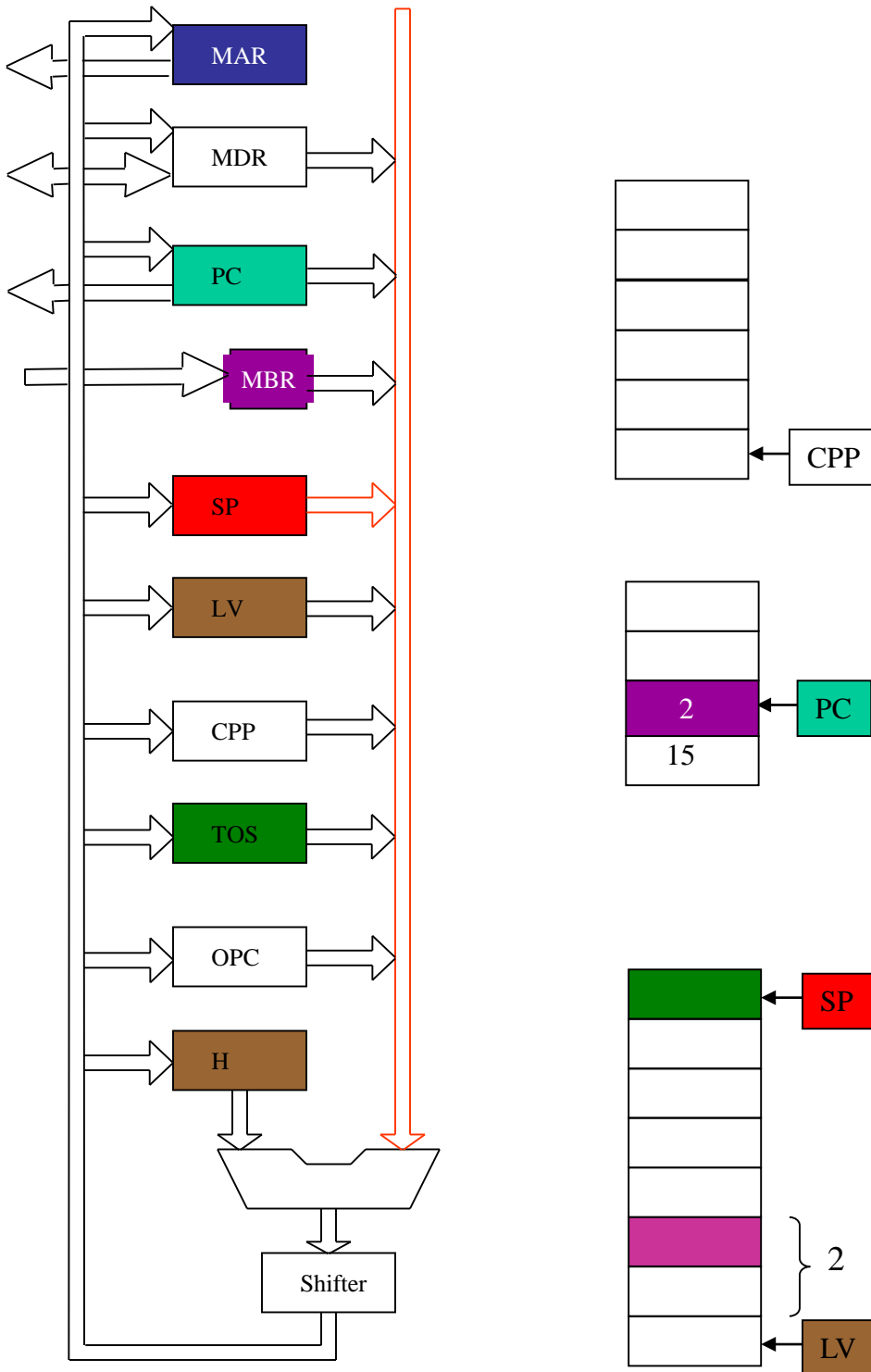
$$\text{MAR} = [\text{H}] + [\text{MBR}]_{\text{U}}; \text{read}$$

ILOAD 2



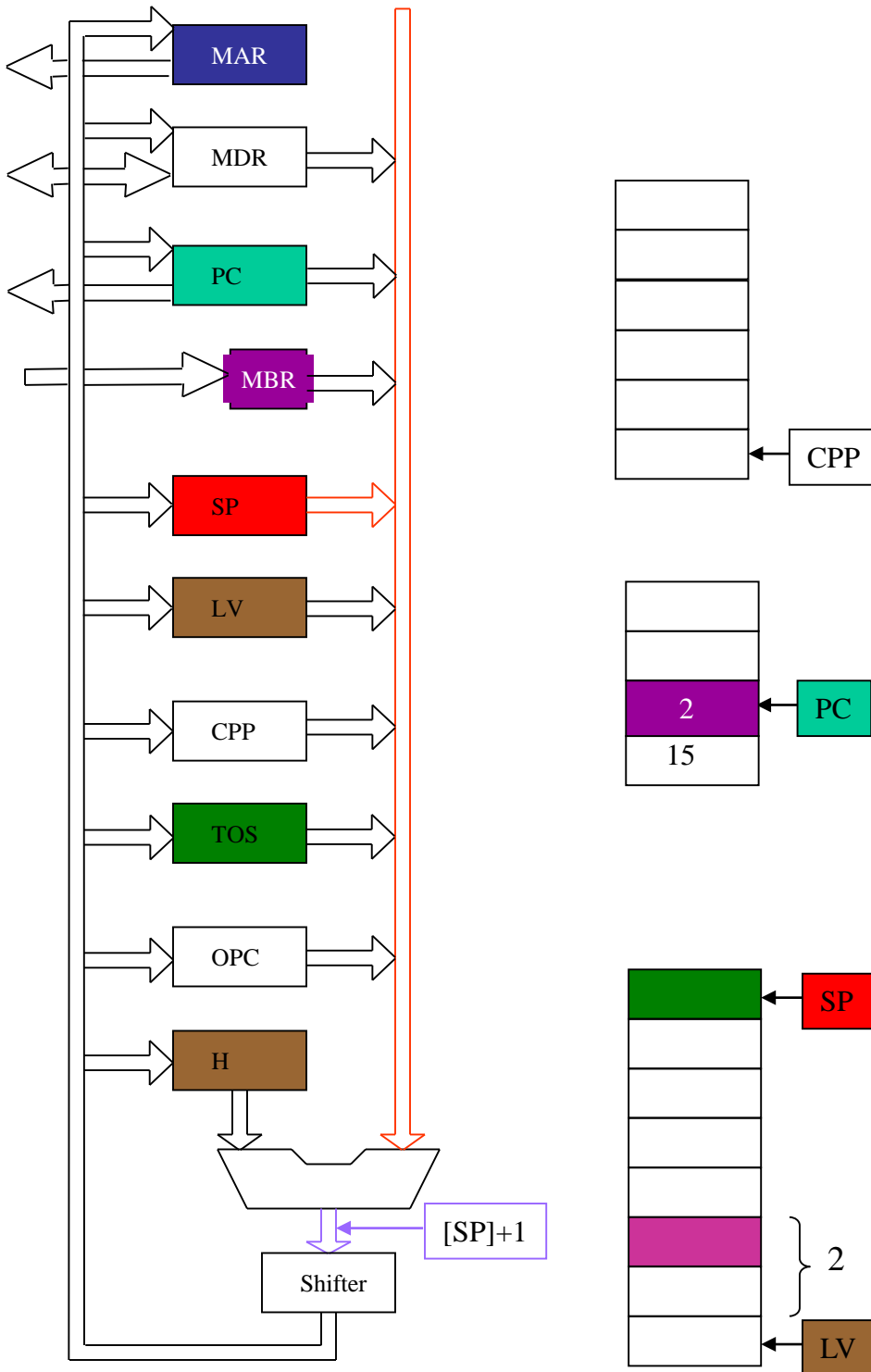
$$\text{MAR}, \text{SP} = [\text{SP}] + 1$$

ILOAD 2



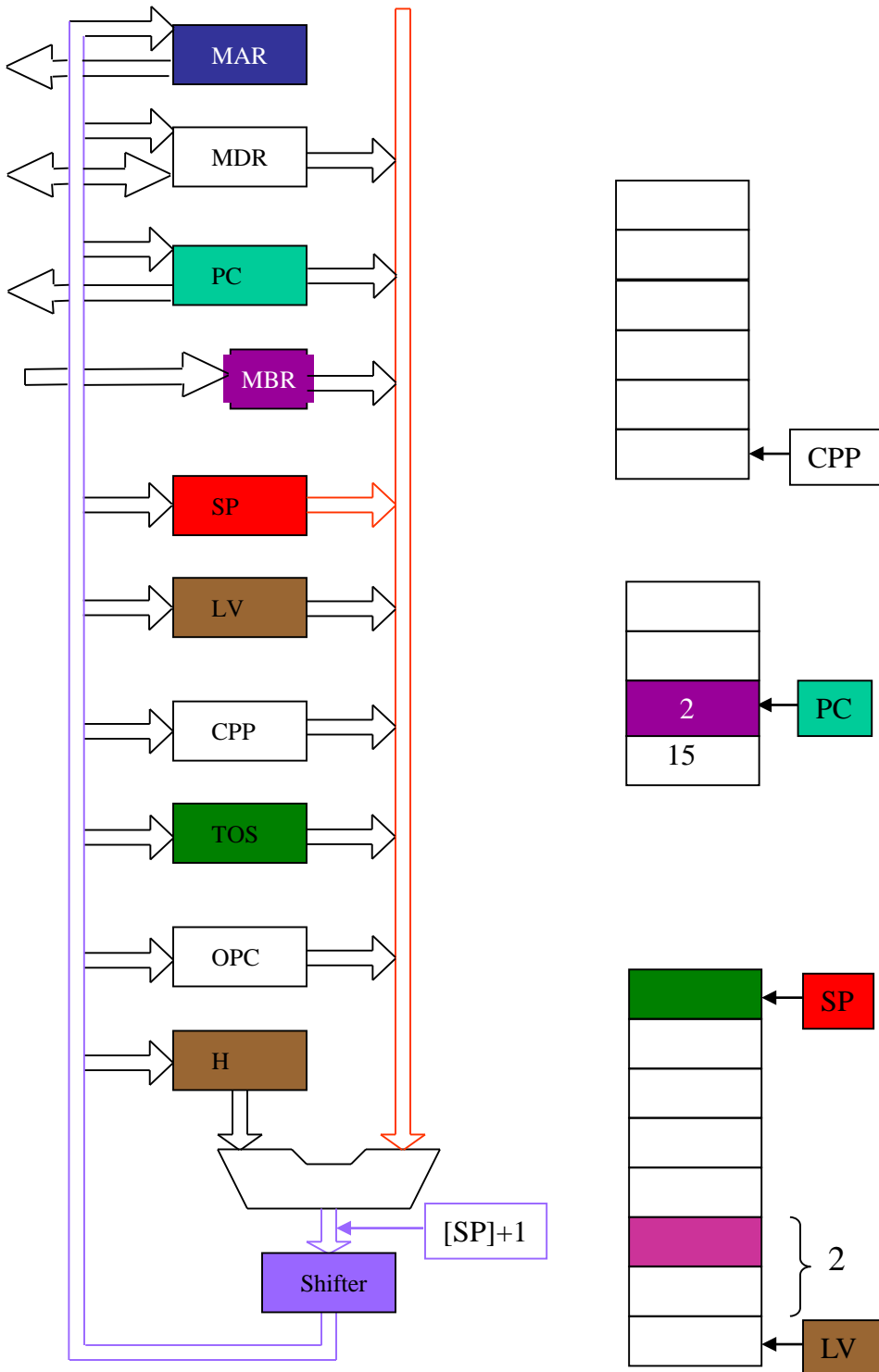
$$MAR, SP = [SP] + 1$$

ILOAD 2



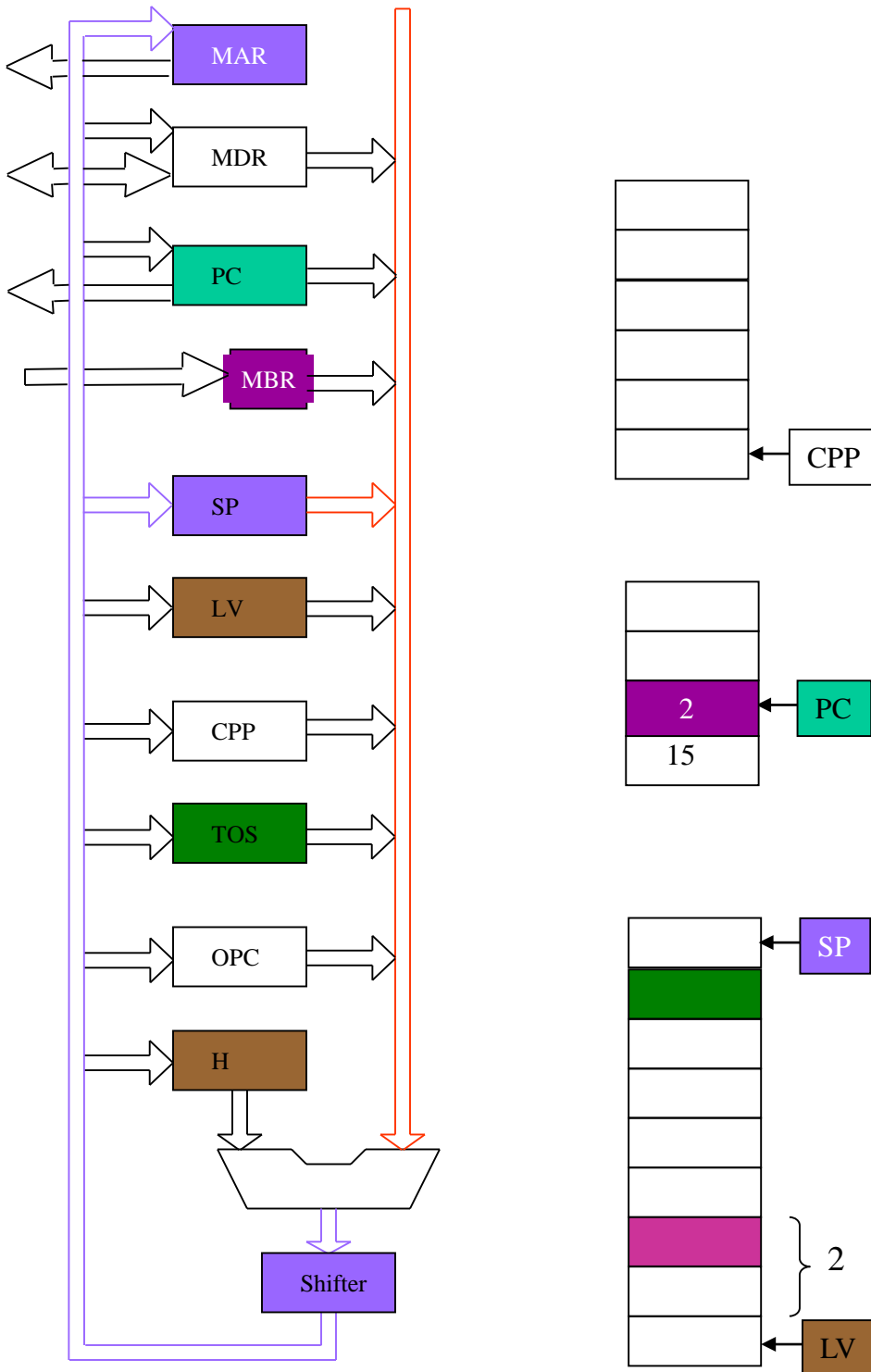
$$\text{MAR}, \text{SP} = [\text{SP}] + 1$$

ILOAD 2



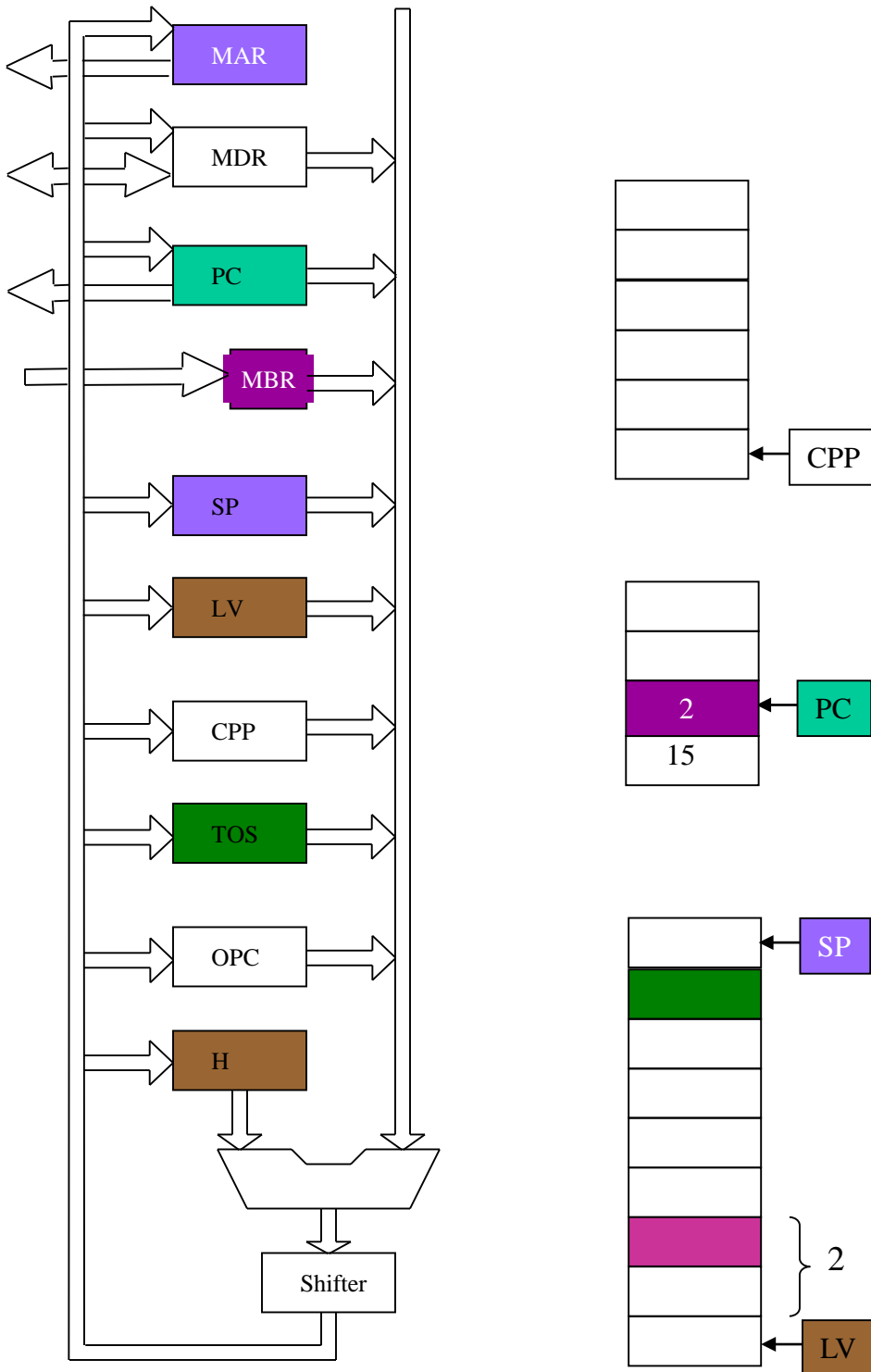
$$\text{MAR}, \text{SP} = [\text{SP}] + 1$$

ILOAD 2

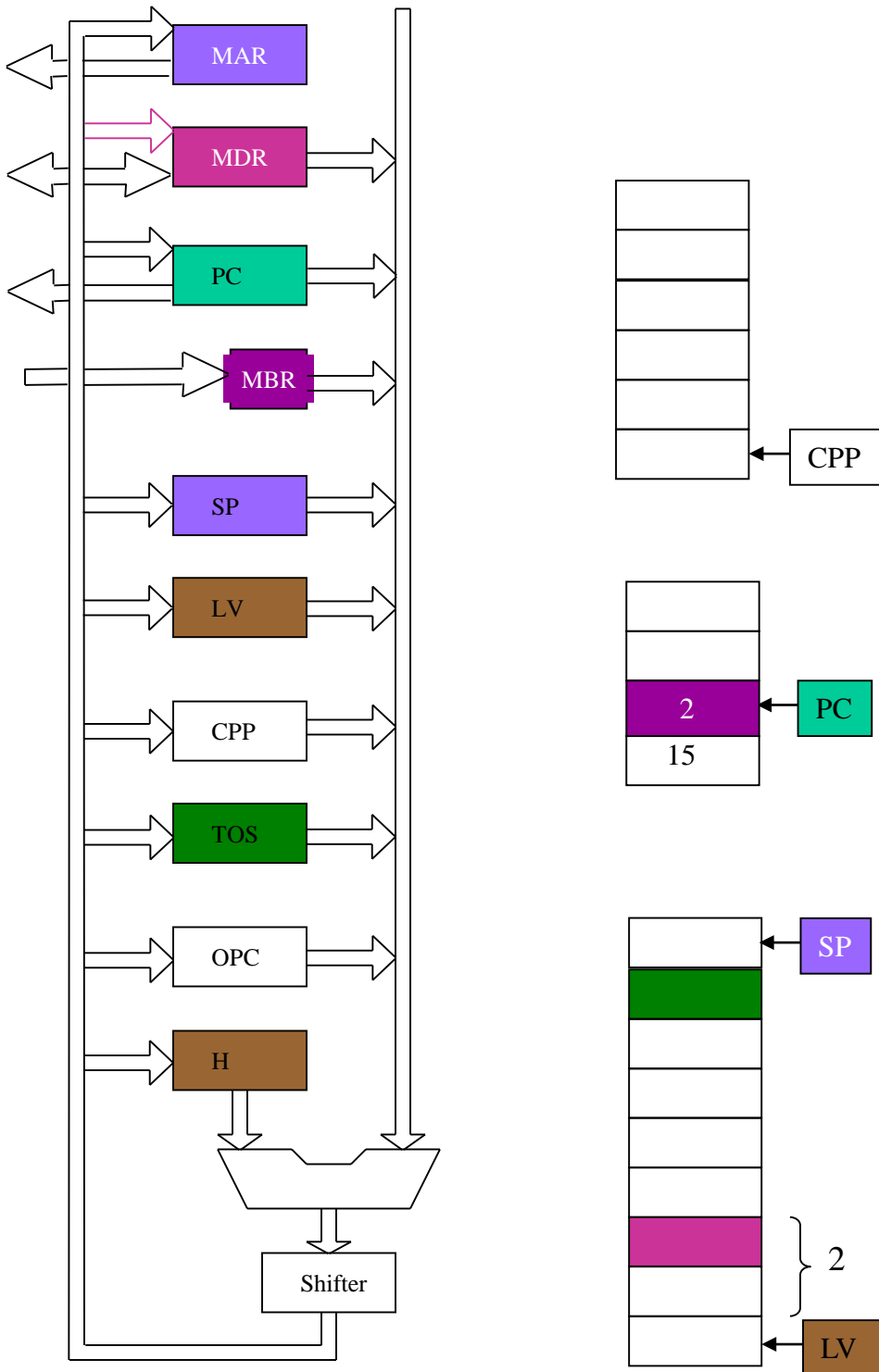


$$\text{MAR, SP} = [\text{SP}] + 1$$

ILOAD 2

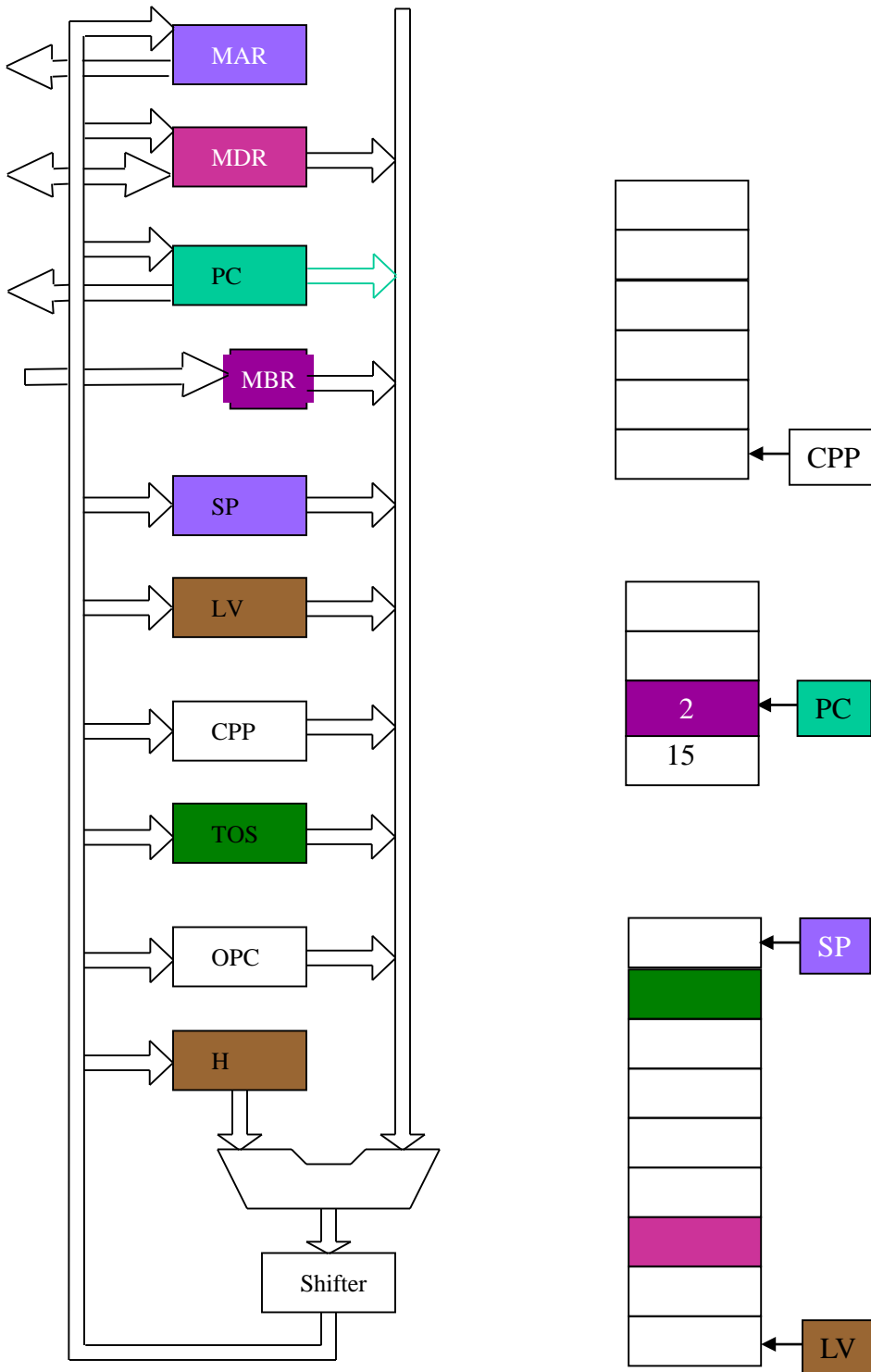


ILOAD 2



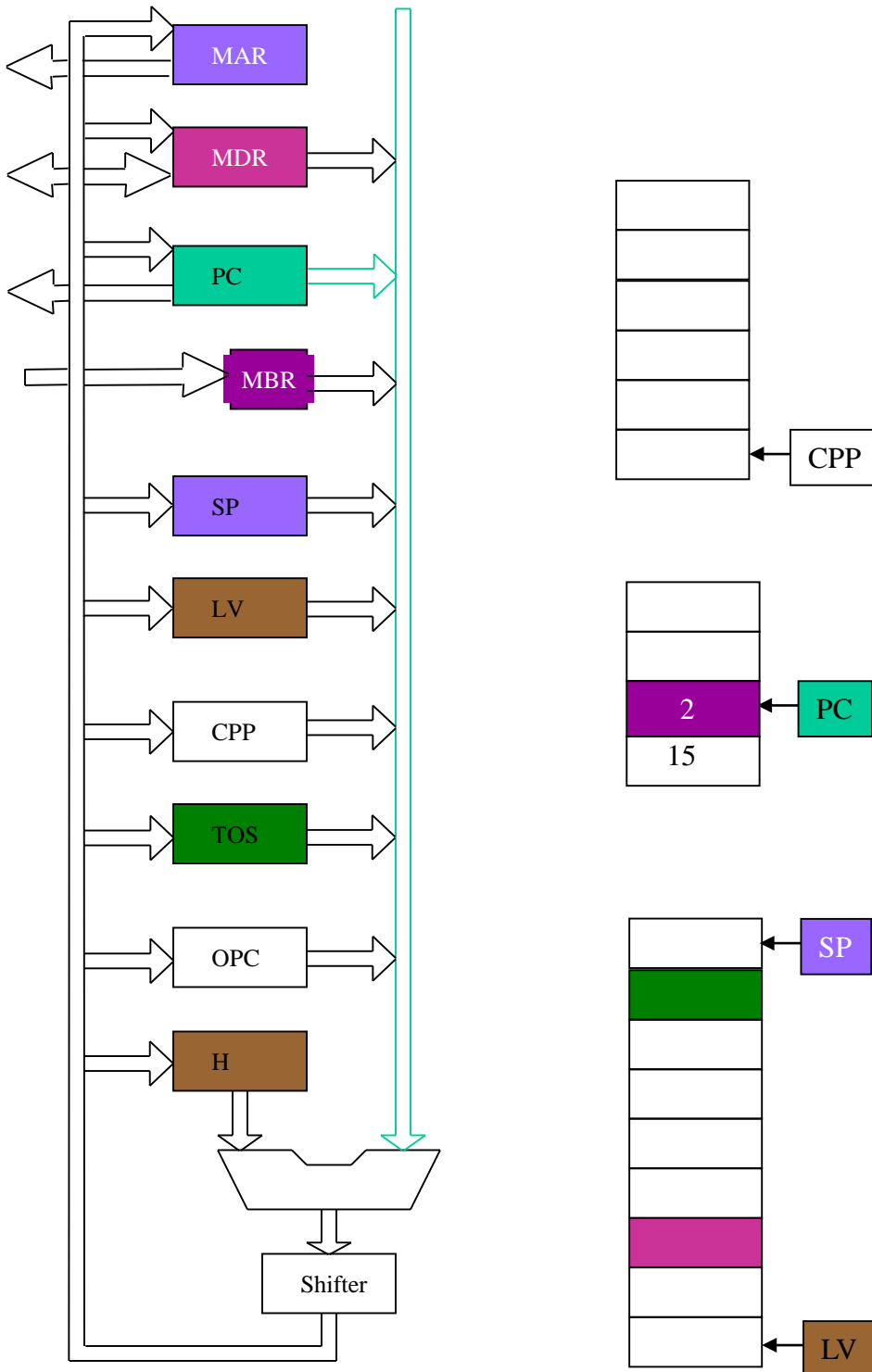
read completes

ILOAD 2



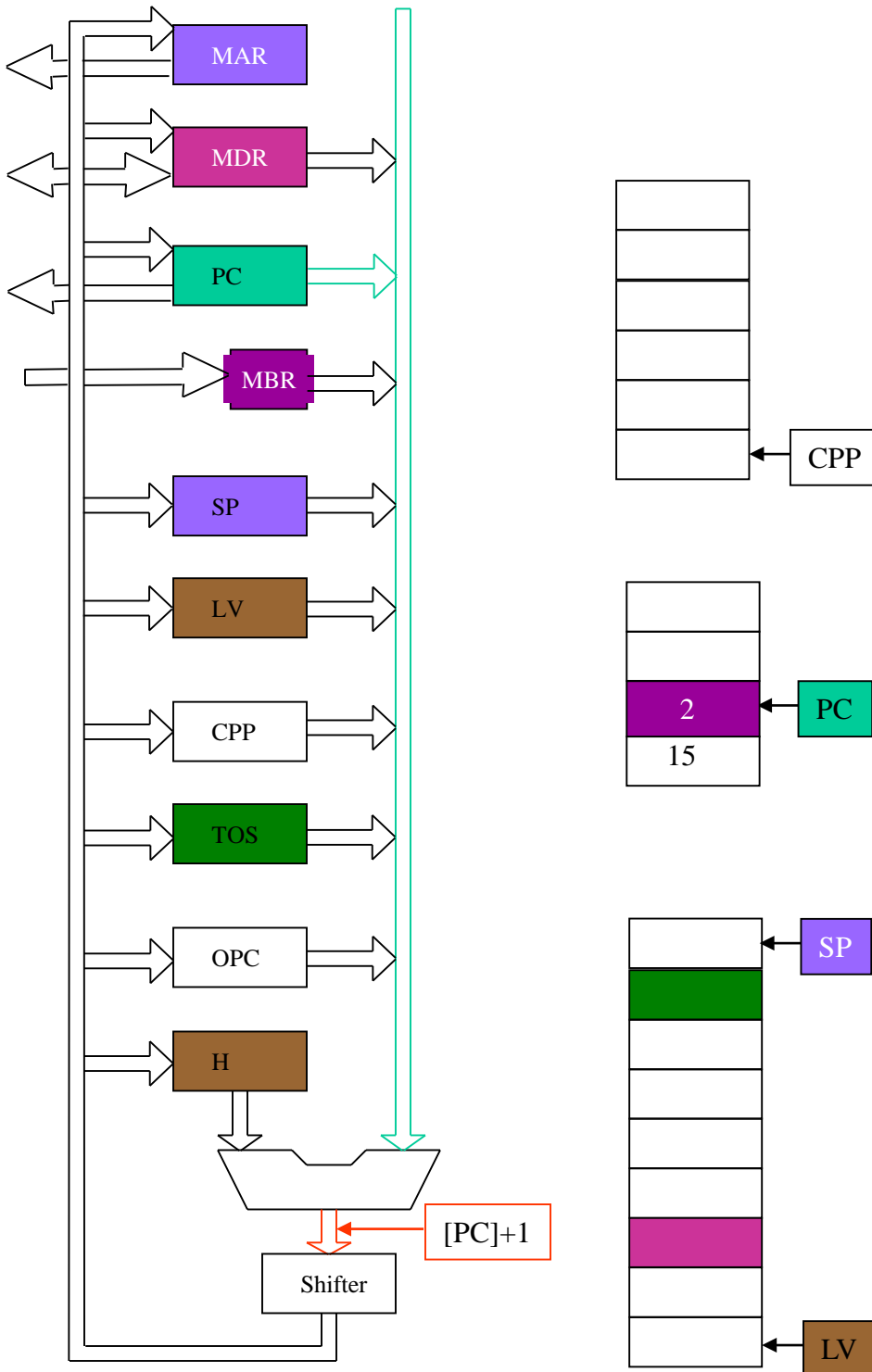
$PC = [PC] + 1$; fetch; write

ILOAD 2



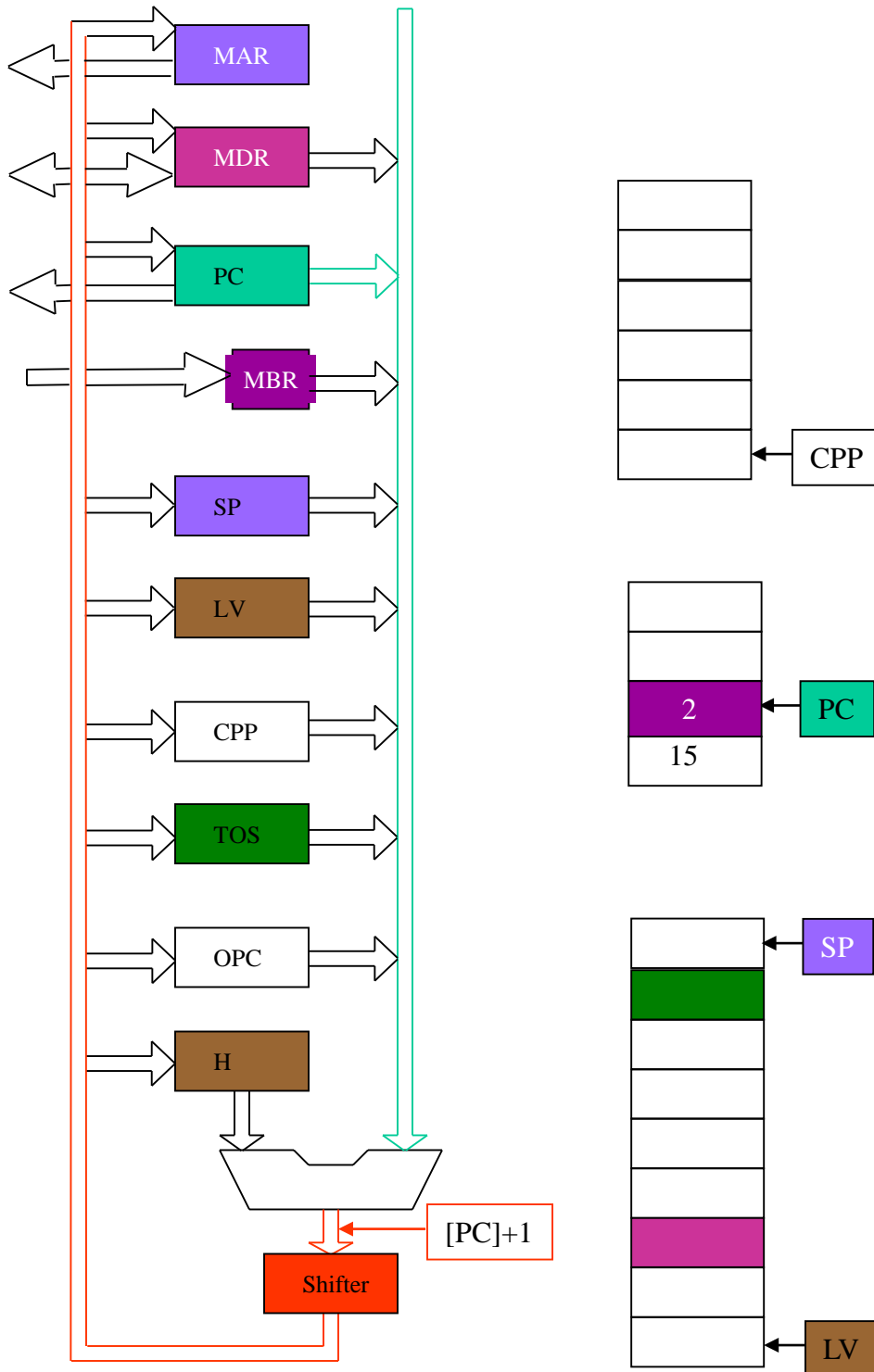
$PC = [PC] + 1$; fetch; write

ILOAD 2



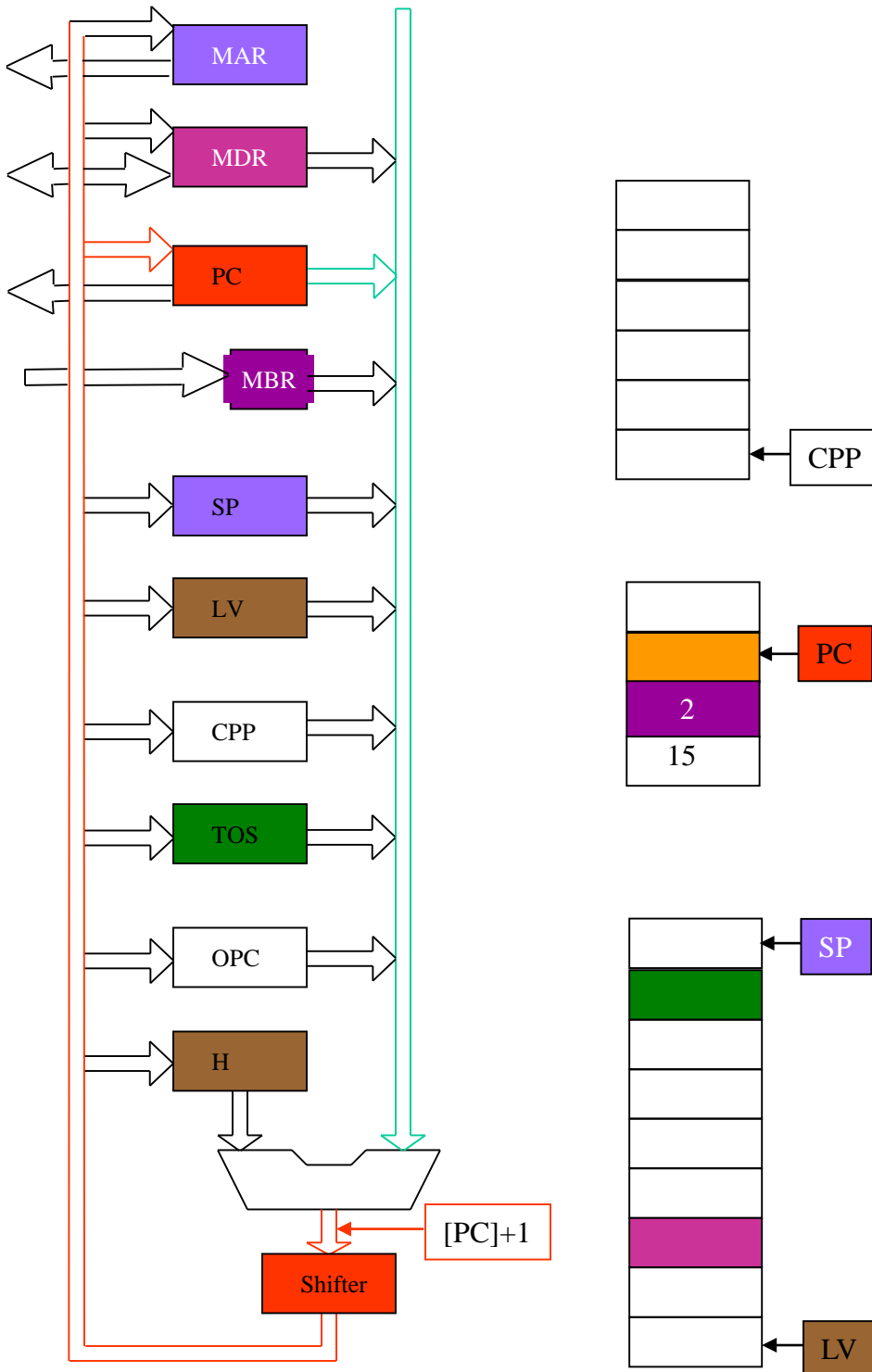
$PC = [PC] + 1$; fetch; write

ILOAD 2



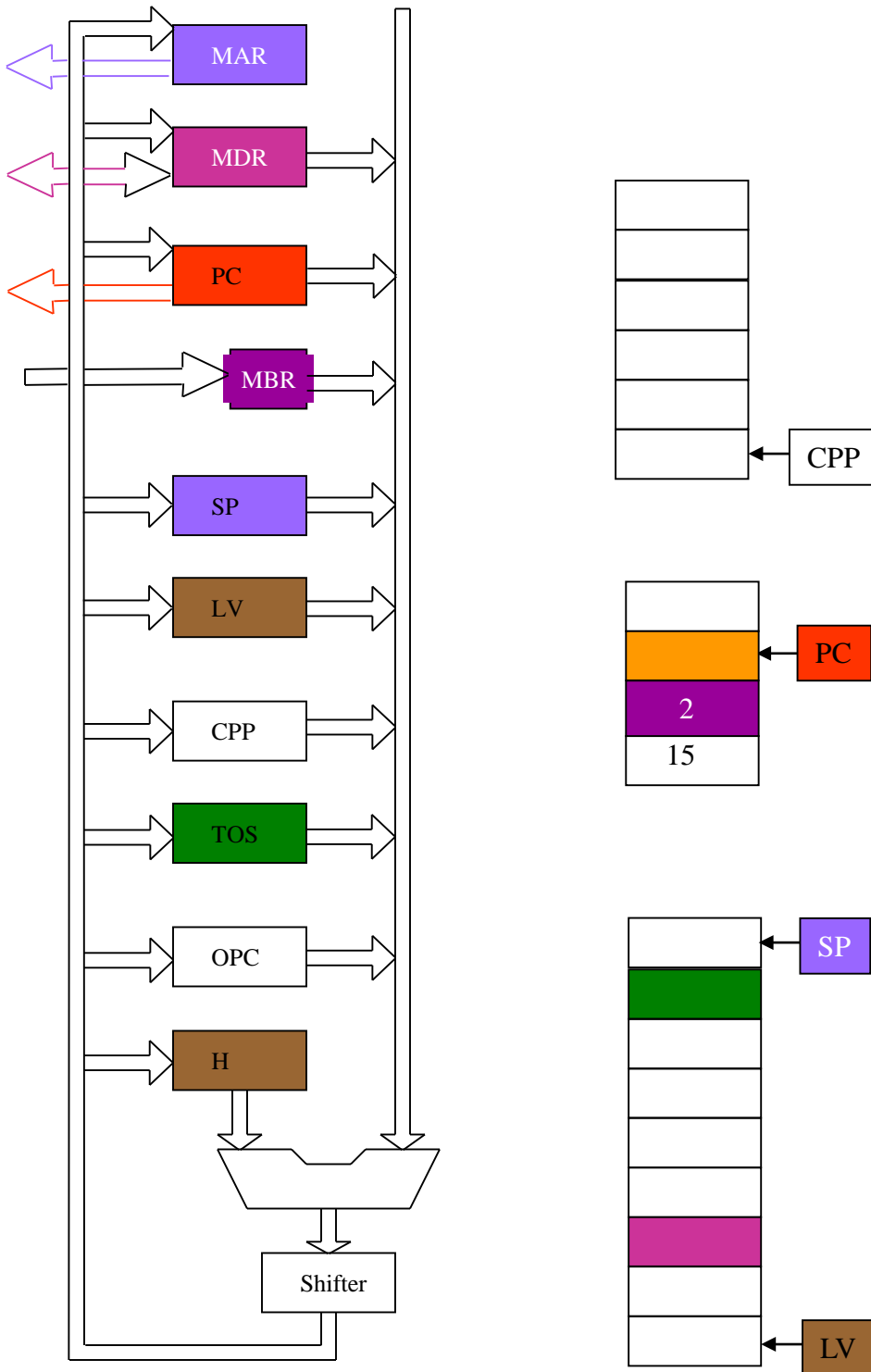
$PC = [PC] + 1$; fetch; write

ILOAD 2



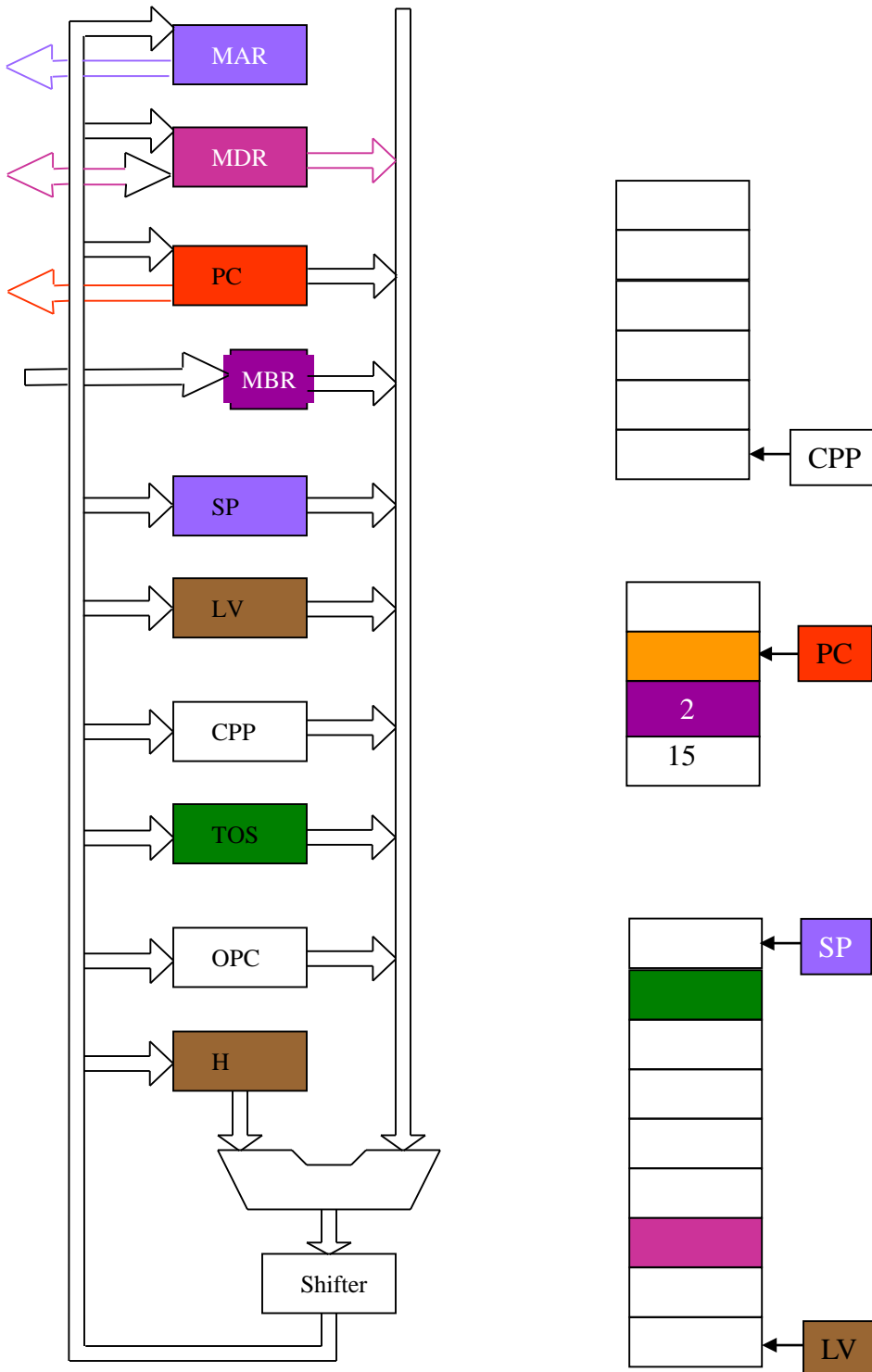
$PC = [PC] + 1$; fetch; write

ILOAD 2



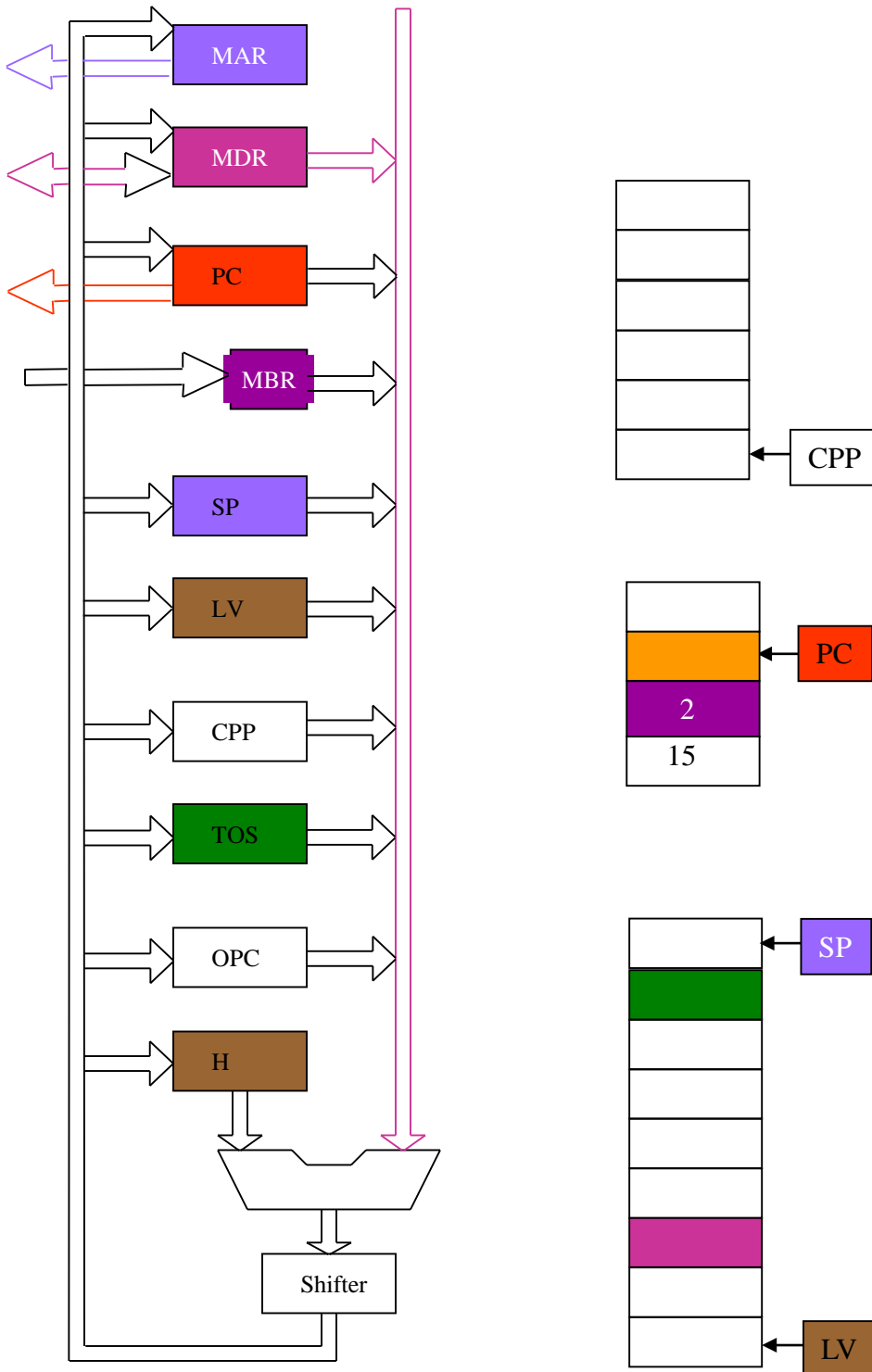
PC = [PC] + 1; fetch; write

ILOAD 2

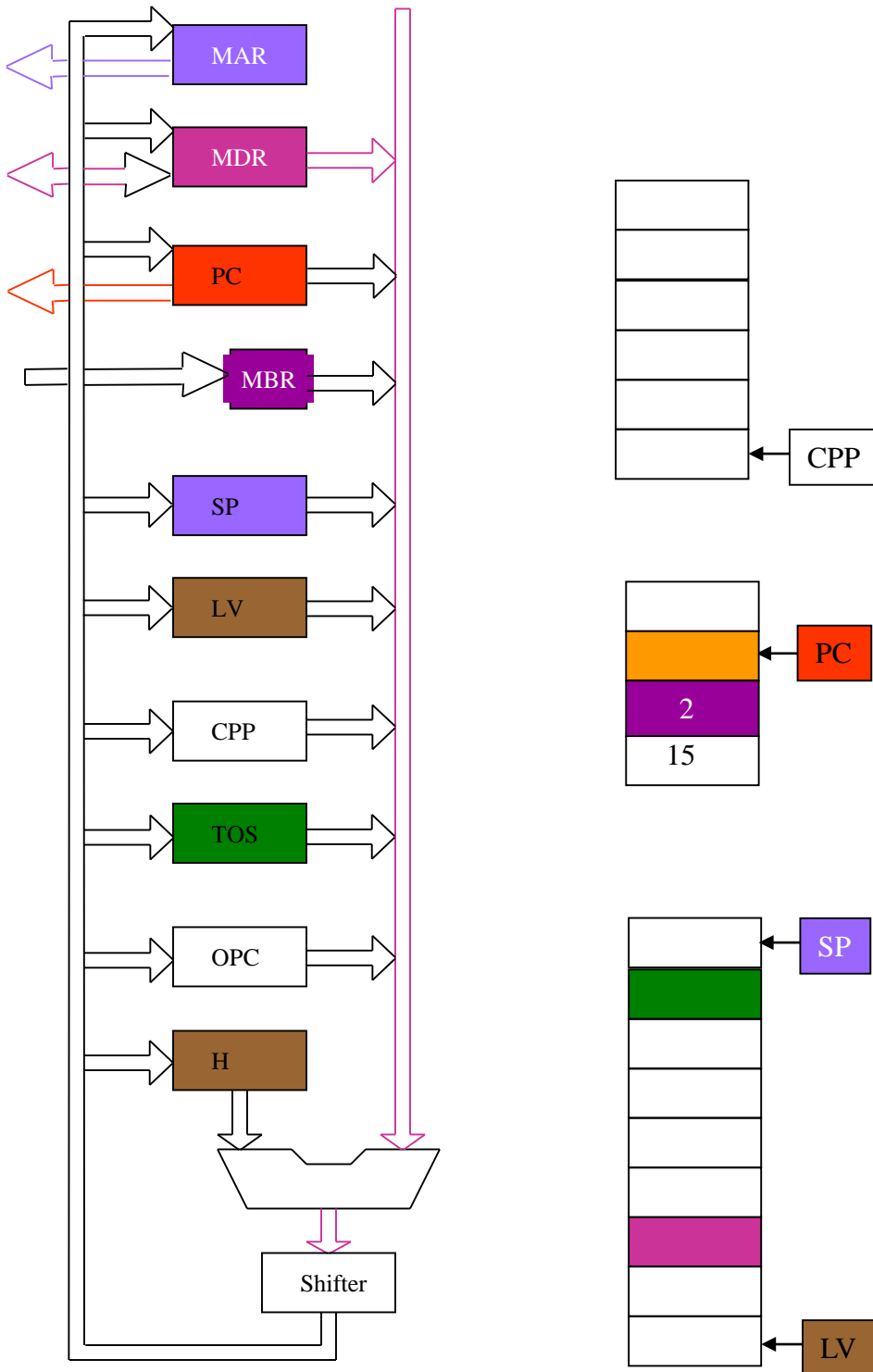


TOS = [MDR]

ILOAD 2

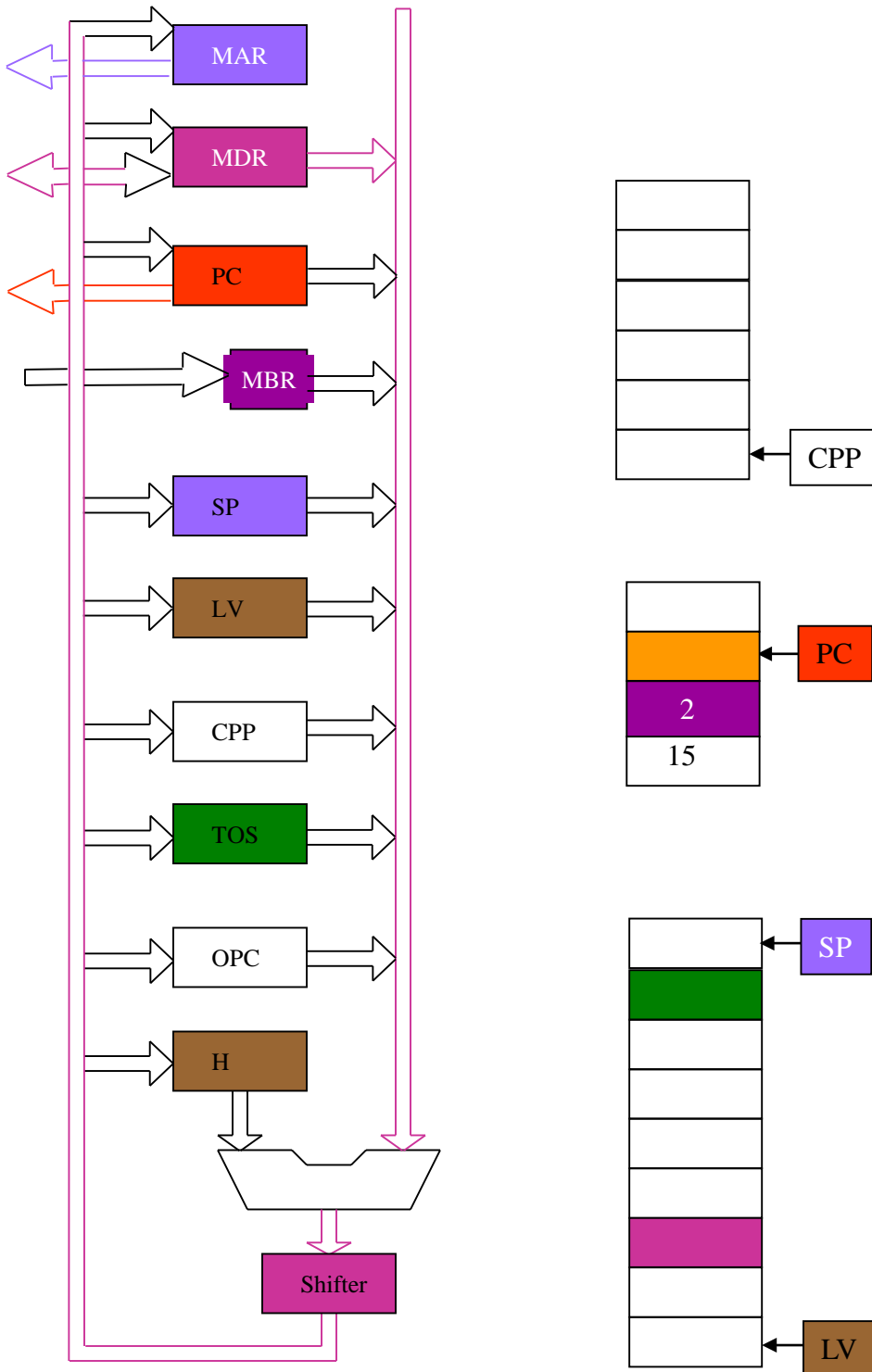

$$\text{TOS} = [\text{MDR}]$$

ILOAD 2



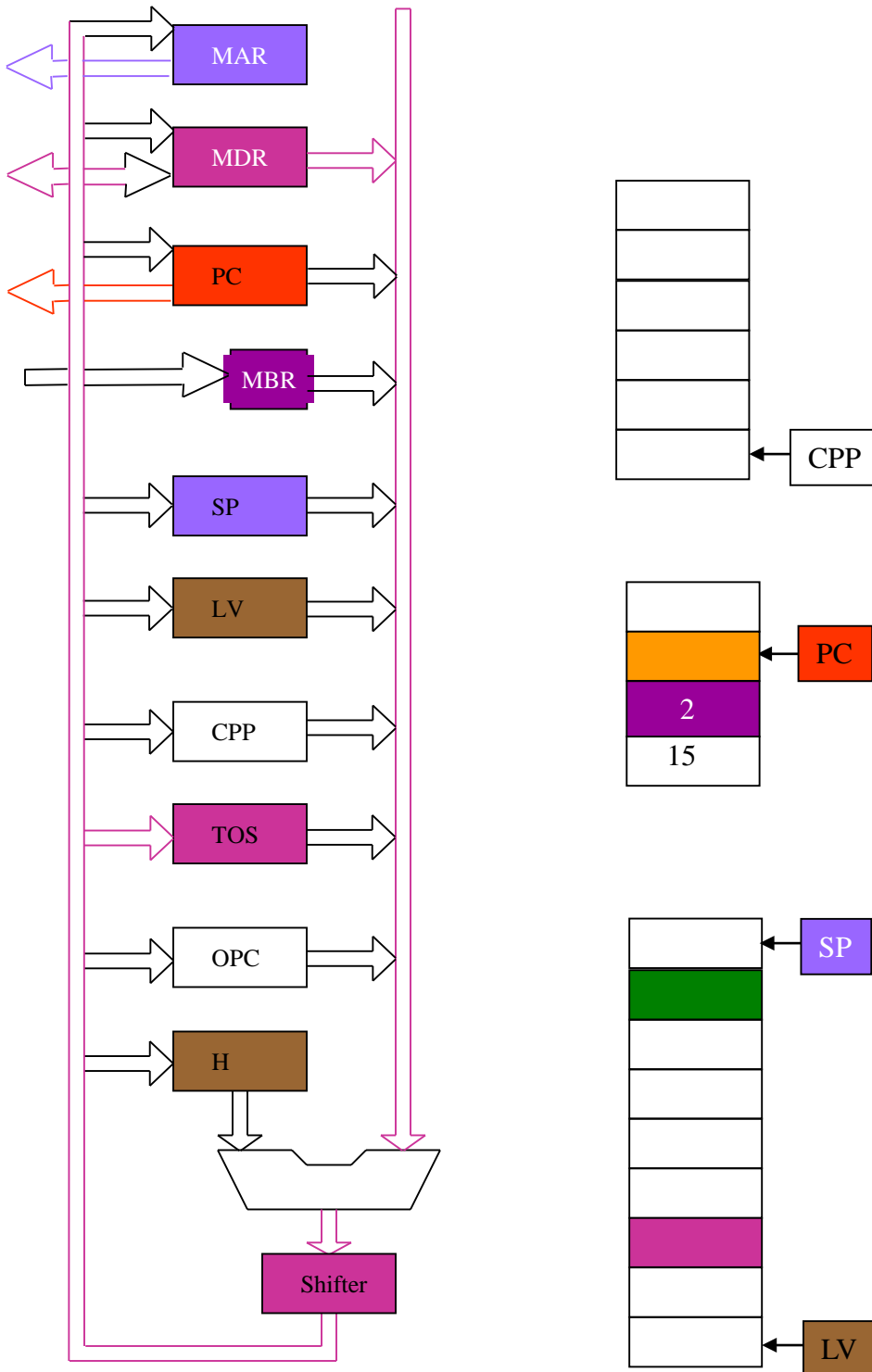
$$\text{TOS} = [\text{MDR}]$$

ILOAD 2



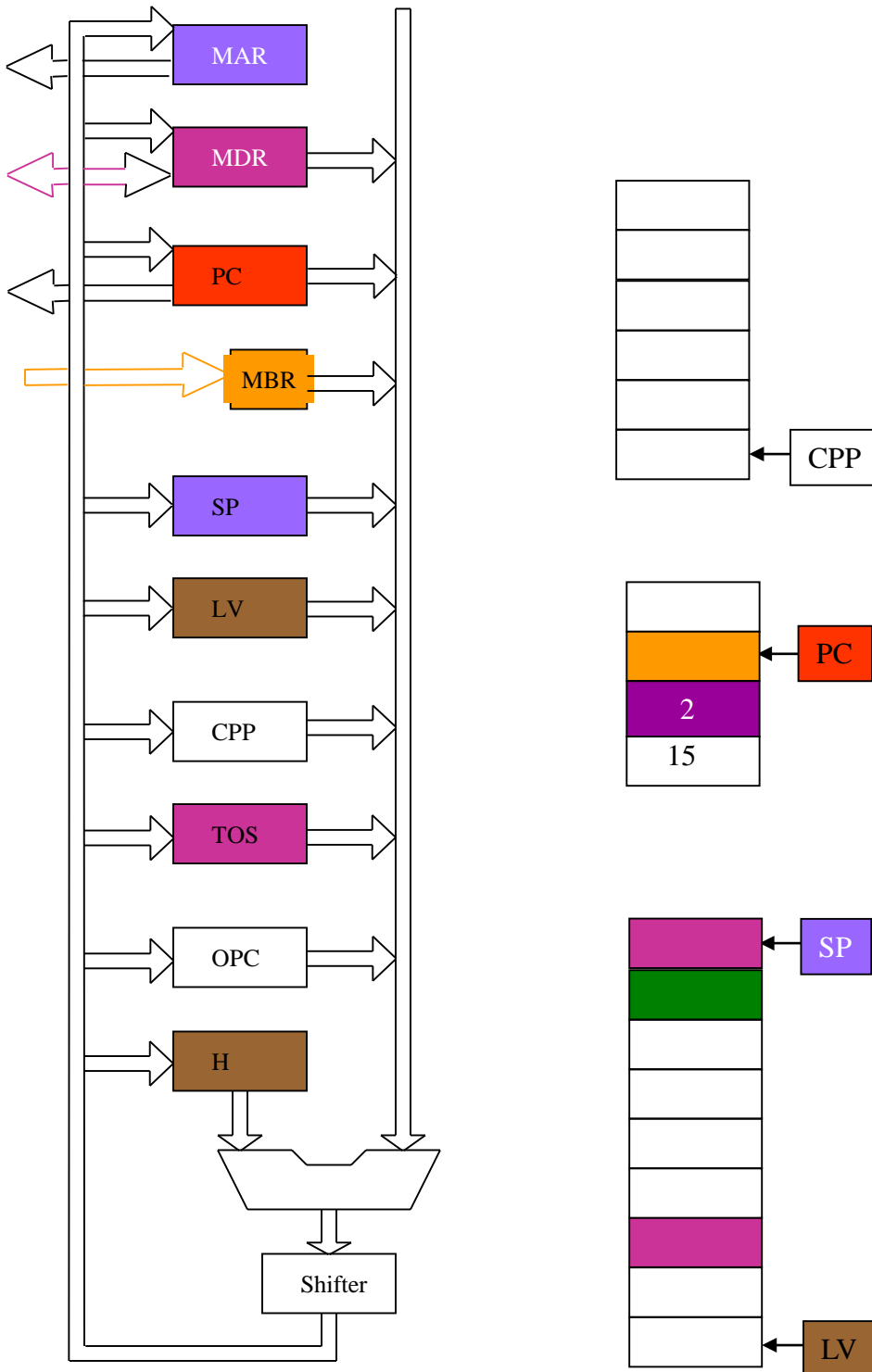
TOS = [MDR]

ILOAD 2



$\text{TOS} = [\text{MDR}]$

ILOAD 2



write and fetch complete

