

3.14 (1)

4片 $8K \times 8$ 位的EPROM组成

$16K \times 16$ 位的ROM区；

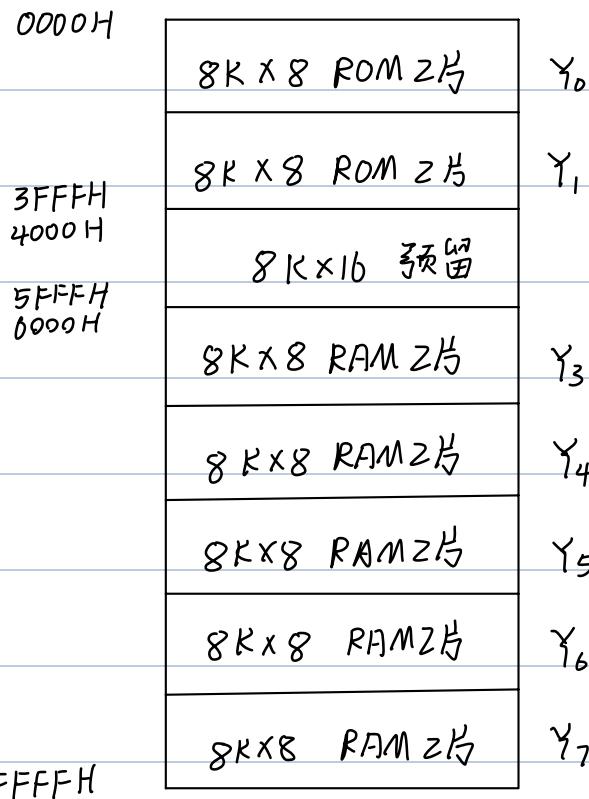
10片 $8K \times 8$ 位的RAM片组成

$40K \times 16$ 位的RAM区

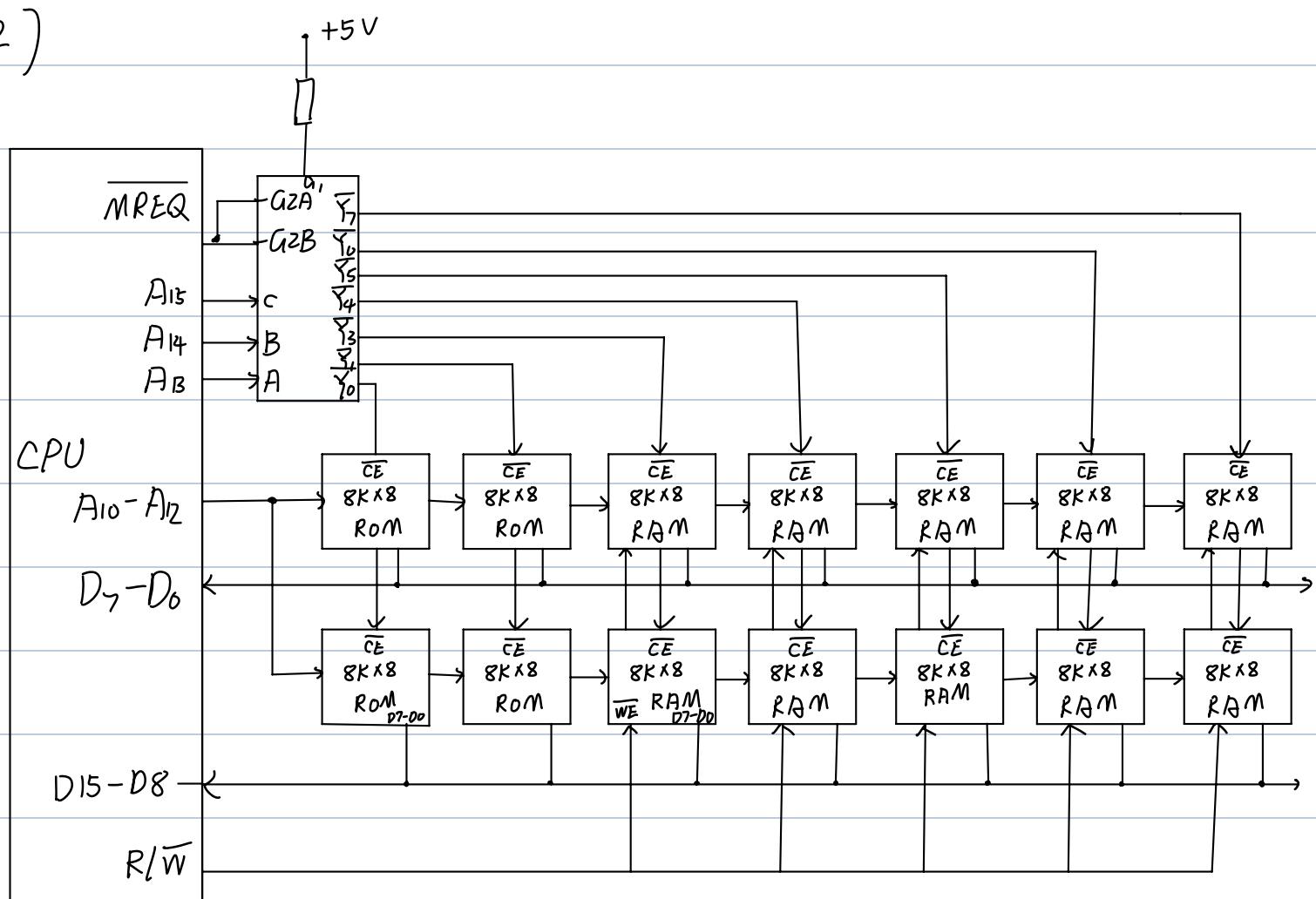
芯片都需要13位片内地址

故可用A15-A13三位高地址

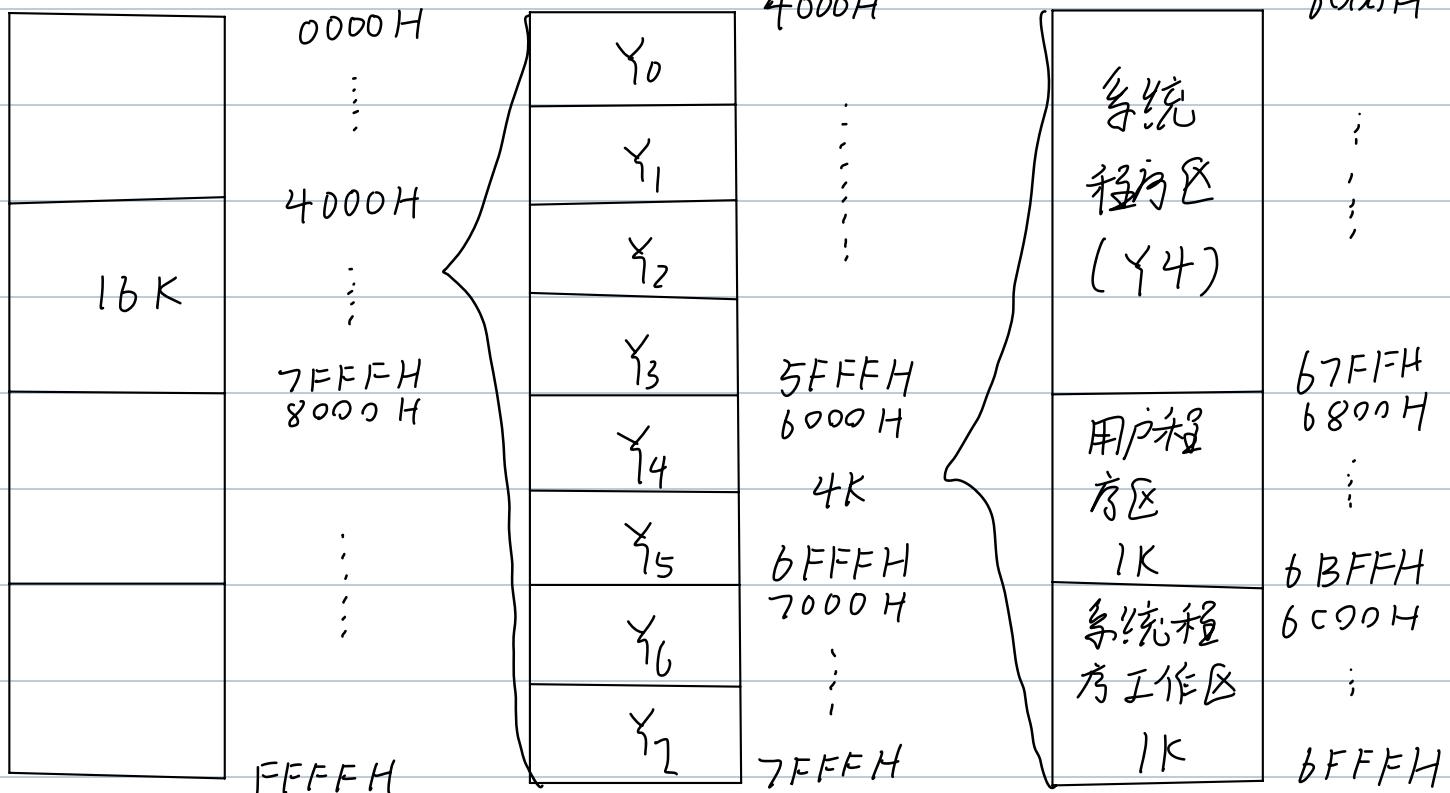
经译码产生片选信号



(2)



15.(1)



(2)

系统程序区 (ROM): $67FF - 6000H = 2K$

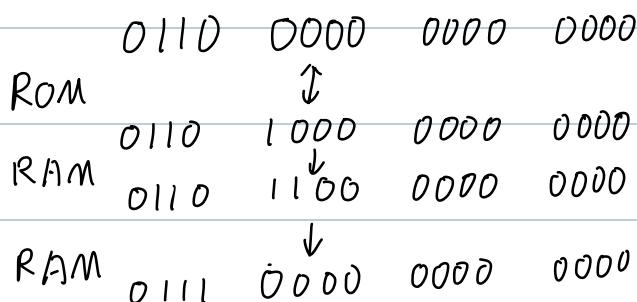
$2K \times 8$ 位 EPROM 1片

用户程序区 (RAM): $6BFFH - 6800H = 1K$

系统程序工作区 (RAM): $6FFFH - 6C00H = 1K$

$1K \times 4$ 位 SRAM 4片

(3)



$$Y_4 = A_{13} \bar{A}_{12} \bar{A}_{11}$$

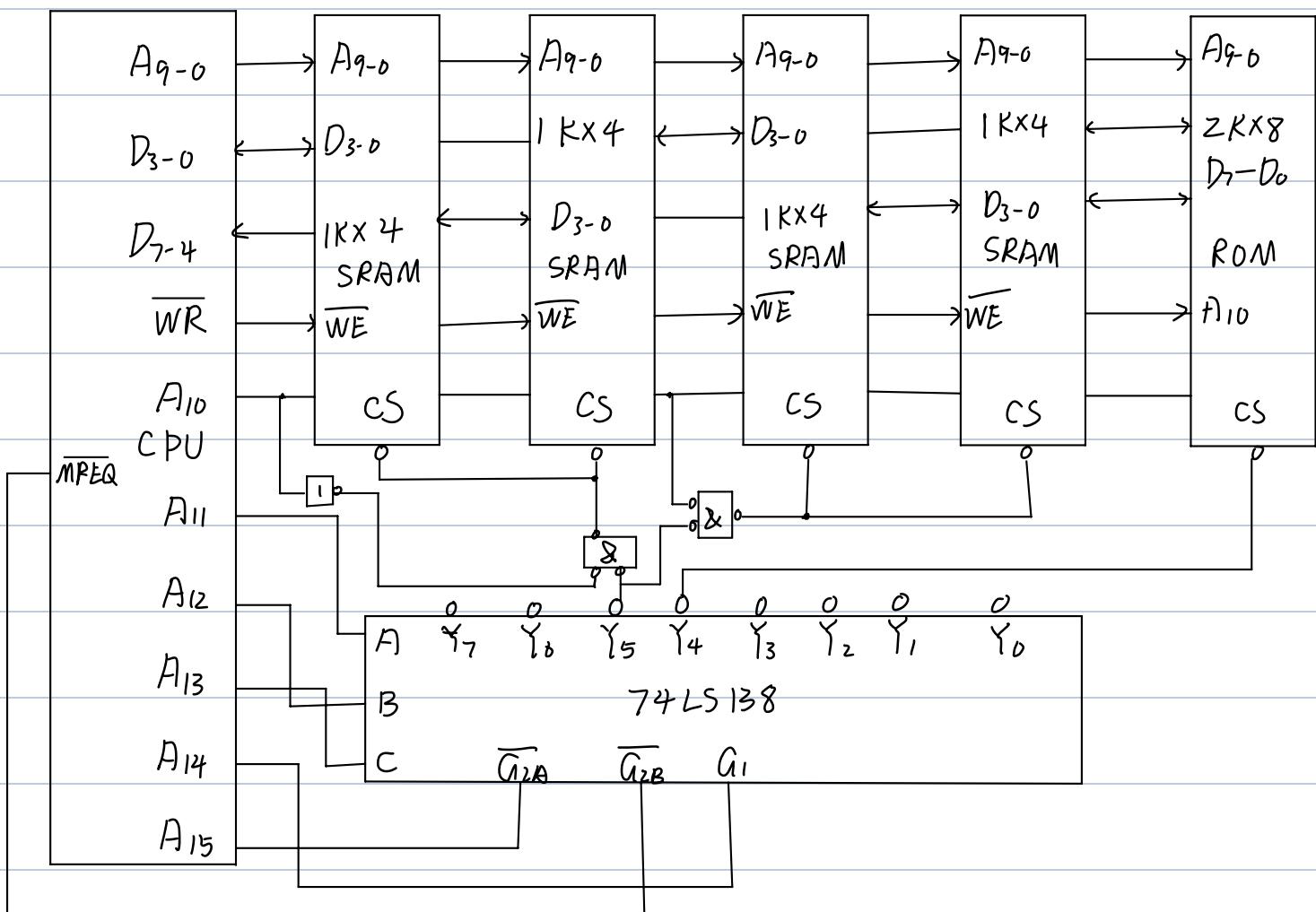
$$Y_{51} = A_{13} \bar{A}_{12} A_{11} \bar{A}_{10}$$

$$Y_{52} = A_{13} \bar{A}_{12} A_{11} A_{10}$$

Y52

Y51

Y4



$$16. (1) \quad 2^{32} = 4GB$$

寻址范围为 4GB

$$(2) \quad n = 4GB / 512MB = 8 \text{ 条}$$

$$(3) \quad \text{存储条: } 512M \times 8 \div 64M \div 4 = 16 \text{ 块}$$

$$\text{主存: } 8 \times 16 = 128 \text{ 块}$$

