

학과

대리

학번

201721048

이름

이서영

1. ROM

2. 4

3.

3, 3

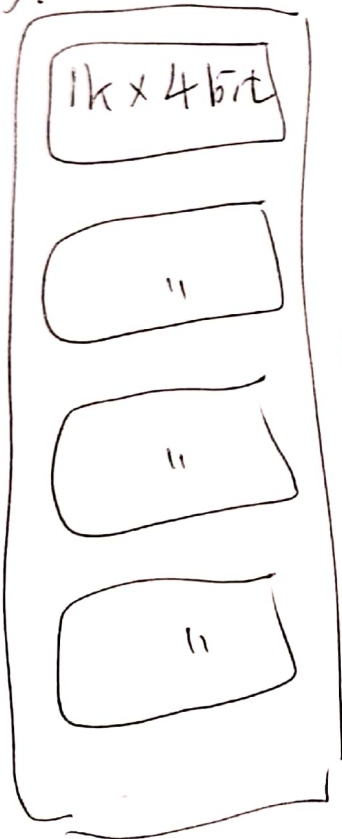
4.

$$2^{12} \times 8$$

$$2^{10} = 1k \quad 1k \cdot 2^2 = 4k.$$

3

5.



$$= 1k \times 32bit$$

x 2

8개 변경

4

6.

RAM 1 60 00 00 00 00 00 00
" 2 01 " "
" 3 10 " "
" 4 11 " "

$$512 = 2^9 \quad 2^9 \times 4bit$$

$$= \boxed{7FF}$$

7.

$$\left. \begin{array}{l} 2k \times 8bit \\ " \\ " \end{array} \right\} 87H \rightarrow 2k \times 64bit$$

3x8 디코더 이용, 3bit 선택

RAM 1 000, 0660, 0000 첫 번째 000

001

:

:

:

8

111, 1111, 1111

마지막

7FF

8.

$$\left. \begin{array}{l} 2k \times 8 \\ " \\ " \end{array} \right\} 47H \rightarrow 3k \times 8bit$$

$$\begin{array}{l} 0000, 0000 \\ 1111, 1111 \end{array} = \boxed{\begin{array}{c} 00 \\ FF \end{array}} \begin{array}{l} 첫 \\ 마지막 \end{array}$$

$$9. \quad \frac{450}{500} = \boxed{0,9}$$

$$10. \quad H \cdot T_c + (1 - H) \cdot T_m$$

$$= 0,8 \cdot 10ns + 0,2 \times 200ns$$

$$= 8ns + 20ns = \boxed{28}$$