

1)

$$m_{\text{comp}} = \frac{S}{2^{n_{\text{address-comp}}} \cdot \frac{n_{\text{data-comp}}}{8}} = \frac{2^{23}}{2^{20} \cdot \frac{4}{8}} = \frac{2^3}{\frac{1}{2}} = 2^4 = \underline{\underline{16 \text{ kapular}}}$$

$$m_{\text{kpb}} = \frac{n_{\text{data-bus}}}{n_{\text{data-comp}}} = \frac{16}{4} = \underline{\underline{4 \text{ kapular/bank}}}$$

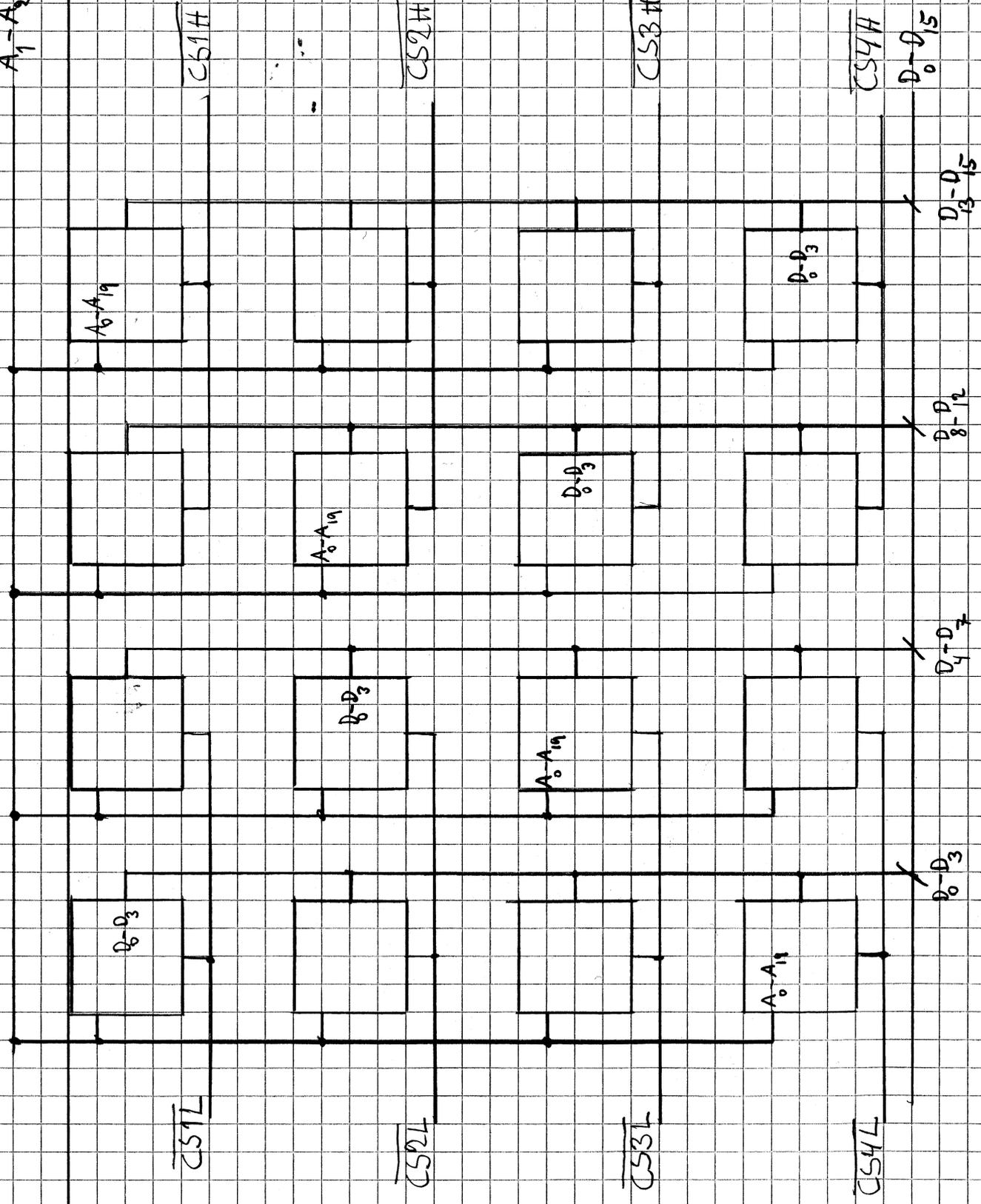
$$m_{\text{bank}} = \frac{m_{\text{comp}}}{m_{\text{kpb}}} = \frac{16}{4} = \underline{\underline{4 \text{ banker}}}$$

3)

	Adressbitar som omfattas av komp	Storlek
ROM 1	A ₁₅ -A ₀	2 ¹⁶ = 64 kbyte
ROM 2	A ₁₅ -A ₀	2 ¹⁶ = 64 kbyte
RAM	A ₁₇ -A ₀	2 ¹⁸ = 256 kbyte
KOMP 1	A ₇ -A ₀	2 ⁸ = 256 byte
KOMP 2	A ₇ -A ₀	2 ⁸ = 256 byte
KOMP 3	A ₃ -A ₀	2 ⁴ = 16 byte
KOMP 4	A ₃ -A ₀	2 ⁴ = 16 byte

1

A₁-A₂₀



CS1H

CS2H

CS3H

CS4H

A₆-A₁₉

A₈-A₁₉

A₀-A₁₉

A₀-A₁

D-D 3

D-D 3

D-D 3

D-D 3

CS1H

CS2H

CS3H

CS4H

D-D 8

D-D 4

D-D 3

D-D 13

D-D 15

