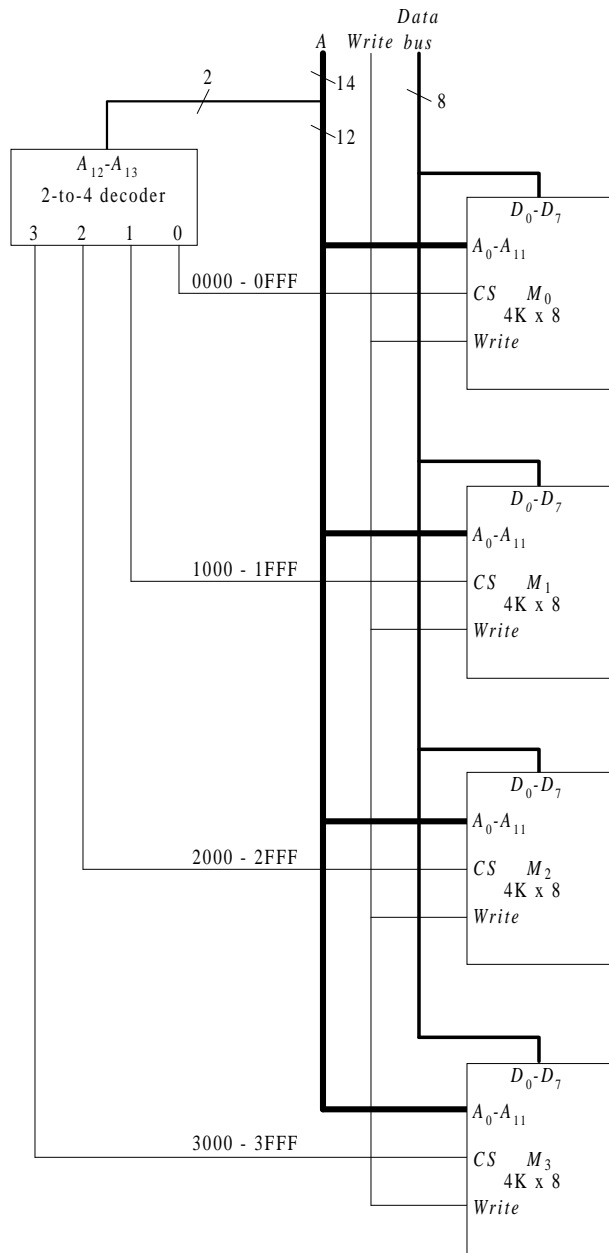


To obtain a larger memory, we can connect several memory chips in series as follows.



$$2^{12} = 4096 = 4K = 000 \text{ to } FFF$$

A0- A11	Address	Bytes
0 0	000 - FFF	4096

$$2^{14} = 16384 = 16K = 0000 \text{ to } 3FFF$$

A12 - A13	Address	Bytes
0 0	0000 - 0FFF	4096
0 1	1000 - 1FFF	8192
1 0	2000 - 2FFF	12288
1 1	3000 - 3FFF	16384

16K x 8 RAM obtained by connecting in series four 4K x 8 RAMs.