BBM433 Microprocessors 2nd Midterm

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Name Surname *

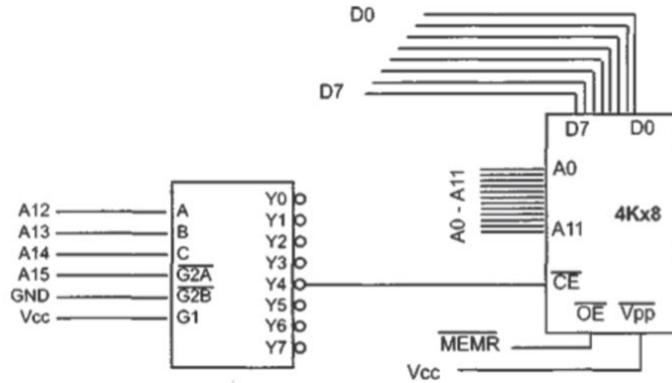İbrahim Burak Tanrıkulu

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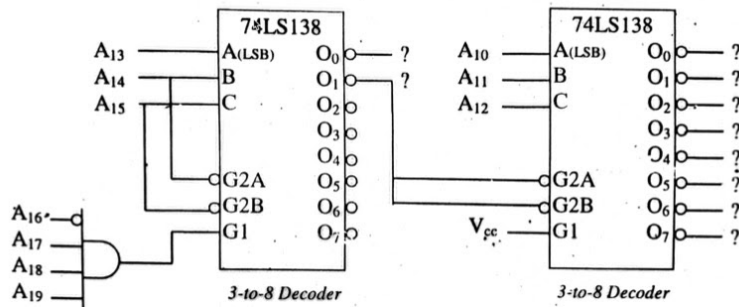Questions   100 üzerinden 65 puan

Question 1) For an 80386 system working in real mode, using the 74LS138 decoder; (30)
A)   Determine the position of the unit in the drawing on the memory map.
B)   Write down the possible commands you can use to access this unit. Give the answers of these commands as pseudo commands.
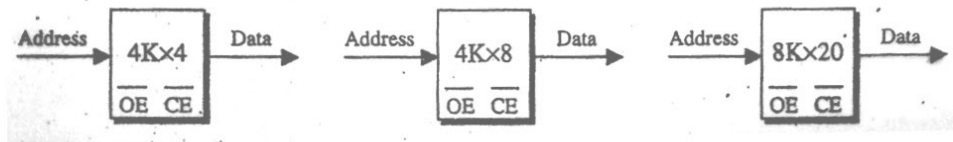

Question 2) For an 80386 system working in real mode, the following address decoding circuit is given. (30)
A)   What range of address correspond to each output of the decoders ?
B)   What is the total number of bytes in all ranges decoded by this circuit?

Question 3) Using a minimum number of the EEPROM chips shown below, construct a 8Kx32 bit EEPROM memory. (Show your design as block diagrams indicating the necessary connection of address, data and control signals). (40)

✕ **Solution Paper** *   65/100

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