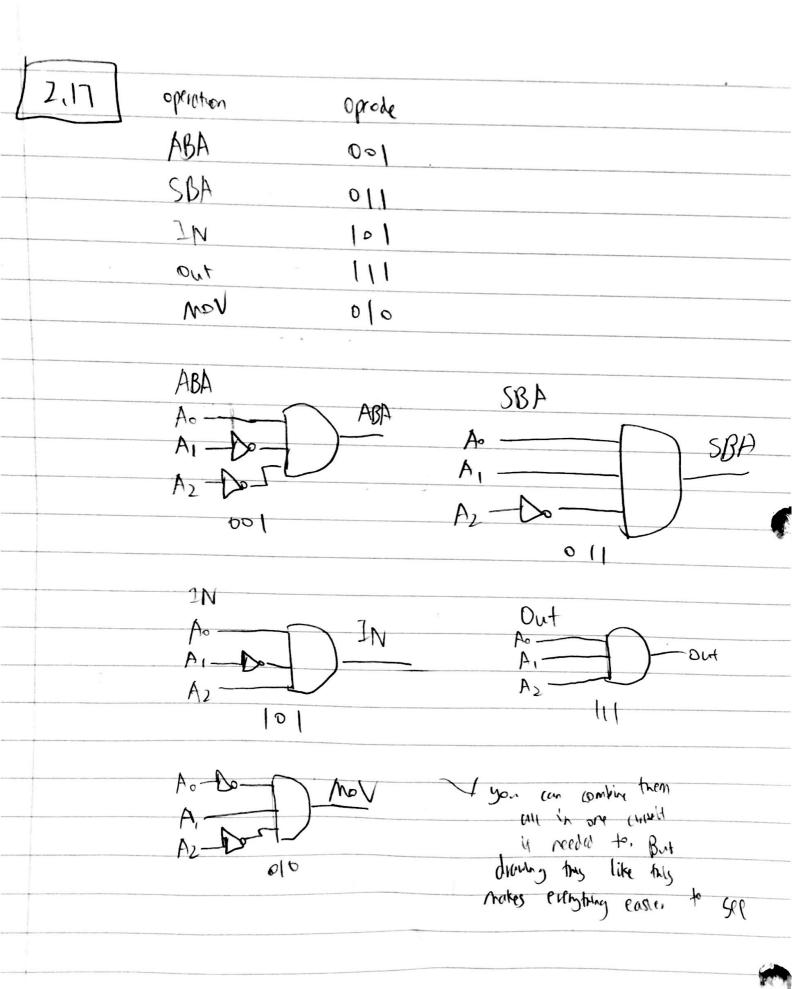
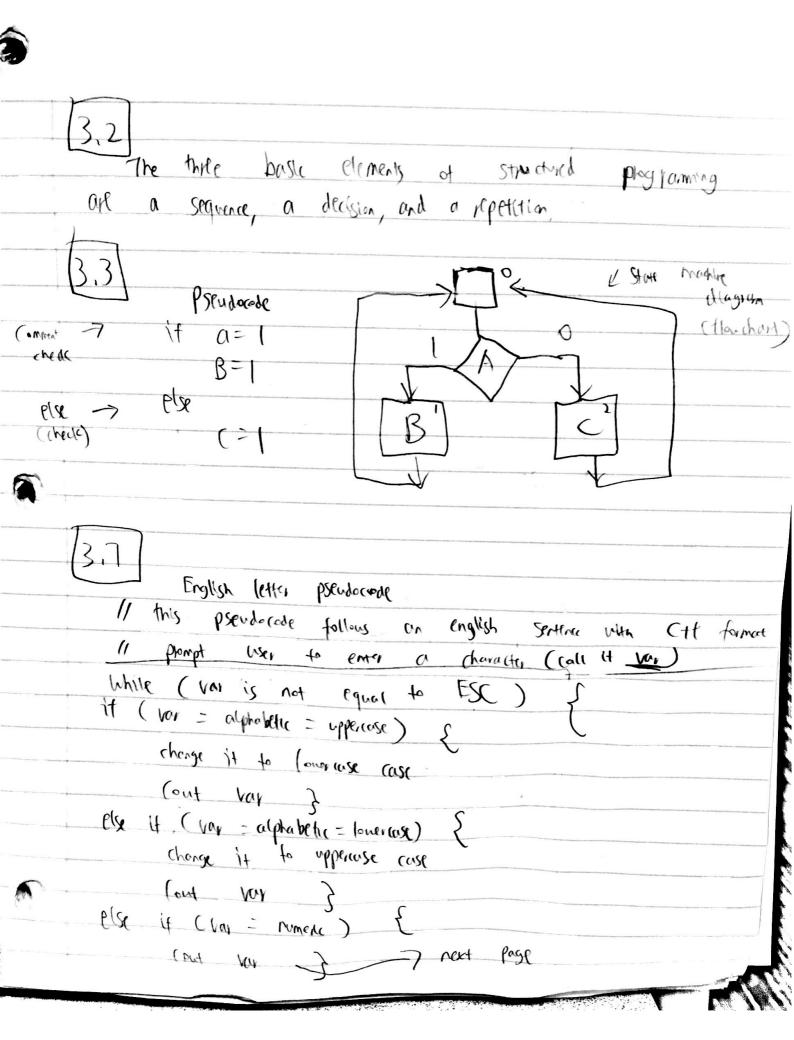
M&M problems

A major disadventage of the absolute assemble, is that
the source file must contain all of the source rode intended to
be in the program. A pelocatable assembles con accome the
disadventages of the absolute assembles. The pelocatable assembles, as program, as a program segment as a source file. The source
file does not need to be the complete program, no does it need to
contain beating source files and assembled at different times.

A controller's money map, which shows what memory addresses are used for what type of monony, is used to show the monony organization in a computer. A typical microcontroller's memory map may contain PAM, EEPRam, Flagh, and even spaces with memory

Through a set of three-State gates, the input intertore connecy on input dence to the data by. The input three-State gates our activated when the address of the input derice is placed on the address by and by Read L control signal is asserted. Tilstate gates (tilstate buttos) are used when the want to correct to a bis which allows multiple signals to touch along the same connection. The album multiple surpur derives to Share a single bus.





else { beep the bell 11 end it storement fr that while loop It Just means that the most Significant bit is a lor o. There can be no regative result in unsigned through number computation, 4.6 Sign blf = 1 When two's complement binary coded numbers are orded means the number is negetive (any by = 1 when unsigned binary coded number are added means than an overthen has occured. An overflow occurs when the Mult of an chithmetic operation airror be Apresented by the number of bits available

Aill Nothing, tho's complement overflow but is hot used for unlighed binary could number When the 3- complement overflow but = 1 atte Means an overflow has occured. An overflow occurs when the result of an aithmetic operation cannot be represented by the number of bits available. The thois - complement oreston by used for 2's complement binary coded number smiles to how the carry bit is used for insigned numbers For the XMECIA that we are Studying, there are direct addressing mode, Indirect addressing mode, extended addressing mode, constant addressing mode, and relative addressing mode. These are triken from Dr. Schwertz lecture slide notes

. Physica aldress is the actual address that must be supplied to the memory. The number of buy in the physical address fixes the maximum number of memory locations that can be addressed. · Effective address refers to an address than is calculated by the processor. The effective address may be a physical or logical address that is the actual address of the operand · A memory of 3/10 Map show what addresses Show which addresses contain ROM and which contain RAM, as well as any that have no memory Installed oll. 5.9 To increase the memory address space in a computer System, one must () increase the number of address lines 5.10 A point is (b) a memory address held in a register A register indirect addressing (b) has the 5.11 addits of the operand in a register