gumpeng . Imp. Chapter 3 Summary In this chapter, the author introduced how to broke large and complex blocks of circuit by why the concept of hierarchical deagn. The method of "divide and Conquer has provided example to us. The three benefits of hierarchy are well explorened. In this chapter, the addition and subtraction of array based function blocks are introduced as well. and Can be used to implement a combination As the Inverse side of decoder, the encoder is introduced. It has 2" input Bones and n auteut knes. The encoder knows the activity of input to one at a time. The next important note is the full adder. It returns the sum of 3 input bits. The symbols and symbol C are represent the sum and carry in this In the last few sections, the adder and subtractor of binary numbers are emphassed. The difference of Agned and unsigned binary number are explained.