Binary Shifting Tuesday, 16 February 2021 5:14 PM - Logical shift frogramable - Cyclic Shaft
Theory- Arithmatic Shaft. By Shifting we moving Bits left or vight inside Degisser. Logical Shifting; left shifting makes the integer double 9 îts value. Multiple shif! doubles he value wit every left staft. This doubling may only go for as much as the range of given Sits. MTEGERS (WHOLE NUM.) Logical Right Shift: Logical dight shift makes the number (integer) 'its Half. All even umbus are exactly divided by 2, but odd miss lose 0.5 in answer as dutin in registers 15 integer 30 / 100 LSL #2 STO 31 END 30/100 100 30 LSR #3 100 STO 31 50 0 12 3 Cyclic Shift: 1001 1 6 0 1 Arithmatic Shift: 1111061-7 1110010 -14 10111100 -7 removed 11000100 -60 1 1 1 0 0 1 In arithmetic shifting sign bit remains unchanged. While shifting bits get dropped from left and right of remains Bits. As a result of shifting when a new 5% + space is created; it is filled with the

bit as sign bit.