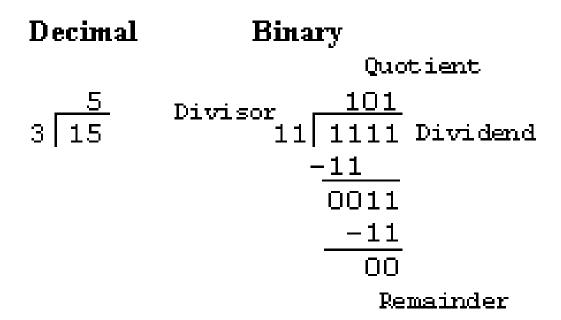
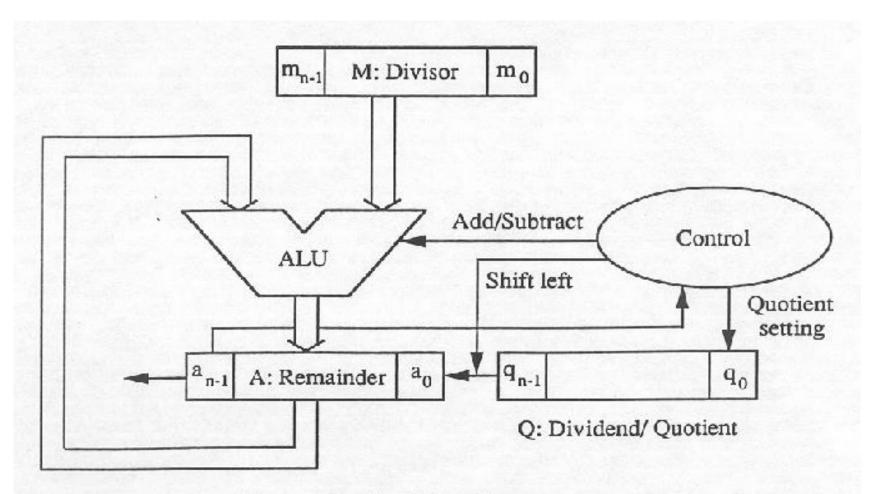
Arithmetic Division (Restoring and Non-Restoring Methods)

-Mitali Desai

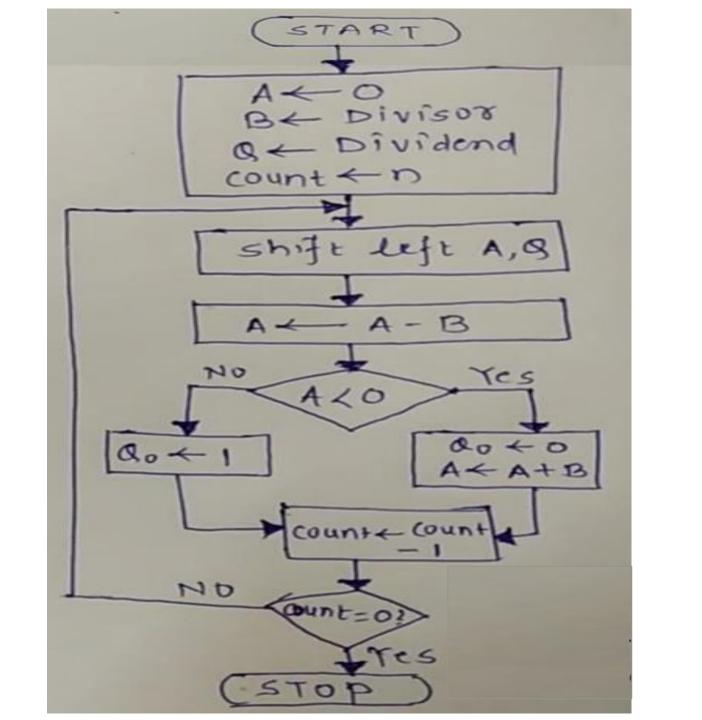
Binary Division: Pen and Paper





Hardware for Division

Arithmetic Division (Restoring Method)



Example: Dividend = 1010 h=4Divisor = $0011 \Rightarrow B \Rightarrow 00011$ Operation A Q
Initfauly 00000 1010

Dividend = 1010 h=4 Example: Divisor = 0011 38 => 00011 B+1=11101 operation A Q Initiany 00000 1010 shift +00001 010 1 cy al subtract 11101 set 00 +00011 RUTORA (00000) 100 00010 ghift subtraut-11101 set 00 + 2000 11 10000

