Note Title 07-09-2011 Division 100 X 0010 1000 Restoring Division 10 ÷ 3 (1010 ÷ 11) 3) 000 LH 1010 ,000 1 00 10 00011010× 0001 0100

$$7(n) = (\# \text{ of stages}) \times (\text{complexity per stage})$$

$$= n \times (\log n)$$

$$3 \text{ tage : } ) \text{ shift } (0(1))$$

$$9) \text{ compare } 0(\log (n)) \times (\text{speedup } 2\times)$$

$$3) \text{ subtract } 0(\log (n))$$

$$4) \text{ USB of the appoint } (0(1))$$

non-restoring

10÷3 (1010 ÷11) 0011 dividend [0/0 × olivism - ol (x-dx2n) (2n - 2xdx2n) 100 X  $(2x - d \times 2^n)$ 1000 411

0010 0001

(Minor 2: Prepare

such steps 2

tables). ( 00 | X -011 0011 0001 For any stage 3) If (+)ve

Write 1 in

LSB of apotient

If (-) ve 1) Left shift 2) If (+) ve subtract divisor write o If (-) ve add divisor





