new bit from dividende from previous unit $\underline{\text{towards}}$ next unit d'0d0 d1 d2 d3 d4 d5 d6 d7 temp_dividende \mathbf{rest} r0d'2 r1- b7 **d**'3 - b6 r2**d'4** - b5 r3-b4 d'5 **Full Subtract** divisor r4- b3 d'6 r5-b2 -b1 r6-b0 offset

towards n^{th} bit of the quotient