Unsigned decimal 100 → hex   100
                                    $\wedge$ 4
                                6
                                $\wedge$
                                0 6   = (64 hex)

hex 64 → binary (binary) 0000 0000 0110 0100

                        001 100 100
                        (144 octal)

unsigned decimal 253 → hex

                        253
                        $\wedge$
                    15   13   ┌─────────┐
                    $\wedge$ │ FD hex │
                    0 15   └─────────┘

hex FD → binary   0000 0000 1111 1101

            . . . 000 011 111 101
                    (3   7   5   octal)

hex 41D0 → binary   0100 0001 1101 0000
                    1, 2, 4, 8, 16, 32, 64+1= 65, 130+1 =131,
                    262 +1 - 263, 526, 1052 +1 = 1053,
                    2,106, 4,212, 8,424, = 16,848

binary → signed decimal   1111 1111 1111 1100
                                                    $\downarrow$
        (2's compliment)   0000 0000 0000 0011
                    +   1
                        (0000 0000 0000 0100)   = -4   * signed decimal