

• Binary nr's

2^8	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
256	128	64	32	16	8	4	2	1

ex.

1) write 11001 as decimal

$$11001_2 = 1 + 8 + 16$$

$$= \boxed{25}$$

everywhere there
is 1 I have to add
that value
start
on left

2) Write 30 as binary

check what
highest nr in table
is to subtract,
continue till you
reach 0

$$30 - \underline{16} = 14 - \underline{8} = 6 - \underline{4} = 2 - \underline{2} = 0$$

$$\therefore 30 = 11110_2$$