

2. Convert the following binary numbers to decimal

A. 01101110_2 :
32
64 16 8 4 2 1

$$64 + 32 + 8 + 4 + 2 = \boxed{110_{10}}$$

B. 11101011_2 :
128 32 8 2
64 16 4 1

$$128 + 64 + 32 + 8 + 2 + 1 = \boxed{235_{10}}$$

C. 10011010_2 :
128 32 8 2
64 16 4 1

$$128 + 16 + 8 + 2 = \boxed{154_{10}}$$