## CSE Z32 SPRING 2020

HOMEWORK I.

0V +00 TV -> 01

2 V -> 10 3V -> 11

2) 
$$000011 \rightarrow 2^{1} + 2^{0} = 3$$
  
 $1111 \rightarrow 2^{3} + 2^{2} + 2^{1} + 2^{0} = 15$   
 $11110 \rightarrow 2^{4} + 2^{3} + 2^{2} + 2^{1} = 30$   
 $111100 \rightarrow 2^{5} + 2^{4} + 2^{3} + 2^{2} = 60$   
 $0011010 \rightarrow 2^{4} + 2^{3} + 2^{1} = 26$ 

3-) 11001101 -> 205 -> CO 10100101 -> 165 --- A5 11110001 -> 241 -> F1 11011011111000 -> 7036 -> 187C

$$47 \rightarrow (46^{1}.1)(0.16^{0}) = 16$$

$$4E3 \rightarrow (3.16^{0}) + (14.16^{1}) + (4.16^{2}) = 1251$$

$$FF0 \rightarrow (0.16^{0}) + (15.16^{1}) + (15.16^{2}) = 4080$$

$$200 \rightarrow (0.16^{0}) + (0.16^{1}) + (2.16^{2}) = 512$$

5-) LET = 100-1100 1000101 1010100 100001 RESET = 1010010 10000 \$1 1000 101 1000101 1010100 10000 1 110001