Addalalalalah

Name: MUHAMMED NUR ALDIN HALUBI ID: 2018556301 1) Key:21

2) m = 210 Hexadecima 1:210/16 = 13+2 = 00 D 2

binary: (D2) = (11010010)

3) m = 21 mod 15 = 6 < 7 => m = 6+7 = 13

a) un signed range [0, 23-1] => most regative number

= 00000000000000

b) two's complement range [-12, 2-1]

=) mrst negative number = -2

c) Sign magnitude [-(2-1), 2'-1]

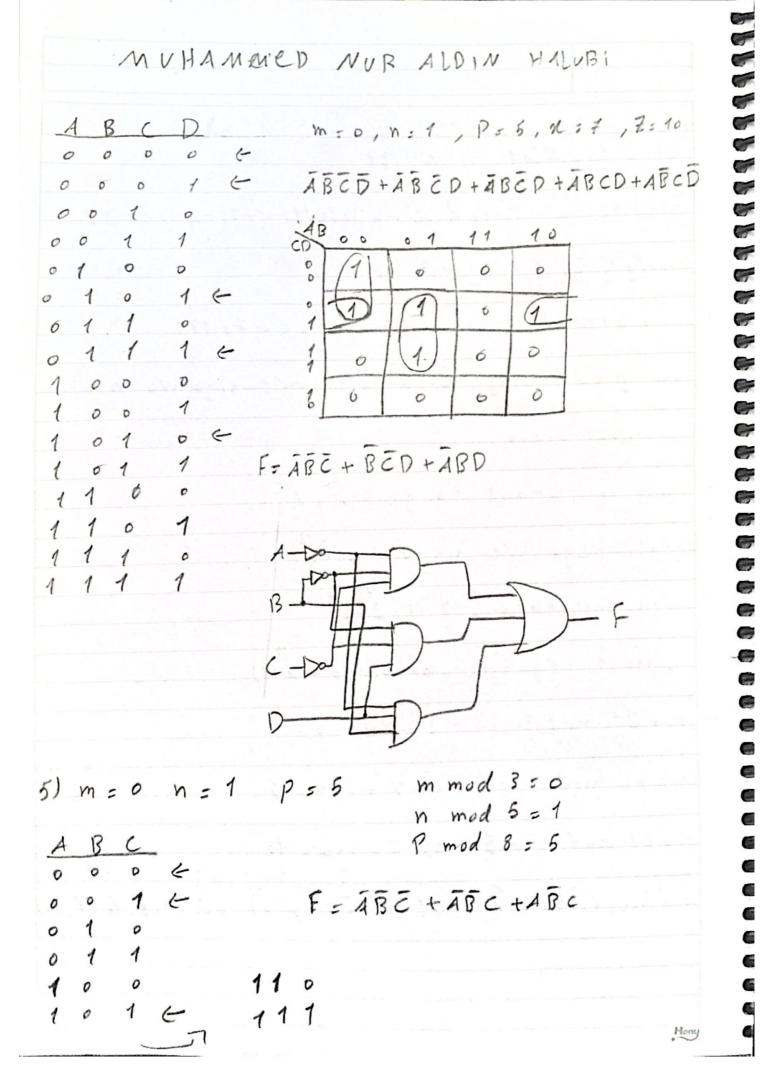
=) most negative number = -(2-1)

4) m = 21 mod 3 =0 => x = 0+7=7

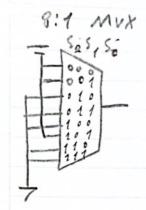
n = 21 mod 5 = 1 => Y = 1+4 = 6

P=21 mod 8 = 5 => 7 = 5+5 = 10

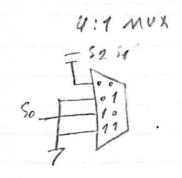
F(A,B,C,D) = \(\(\frac{1}{2}\)(0,1,5,7,5,10) = \(\frac{1}{2}\)(0,1,5,7,10)



MUHAMMED NUR ALDIN HALUBI



6)



52	51	50	F
0	0	0	1
0	D	1	1
0	1	D	0
0	1	1	0
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	0

52	Si	F
0	0	1
0	1	0
1	0	50
1	1	ø