Assignment 1

2.8) a) 25,0 = 110012=1916

- b) 250,0 = 111110102 = FAIL
- c) 2,500 10 = 100 1100,0100 2 = 9C416
- d) 25,000,0 = 611 0,000 1,10 10, 1000,= 61A 816
- 29) a) 1/2 = -1/10
 - b) 100/2=-7,10
 - c) 1,000 12= -1510
 - d) (001, 1061 2=-10310
- 210) a) AB16 = 1010 10112 = 17110
 - b) AOB 1= 1010 0000 10112=1547,0
 - c) 10 A01 | = 0001 0000 1010 0000 000 ==
 - d) FTAAFT,6 = 1111 1111 10 10 1010 1111 11112 =
- 2.11) a) A(1/2 = 1010 10112
 - b) DFOBIL = 1100 1111 0000 10112
 - c) 1081/16 =0001 0000 1011 0001 00015
 - d) FDEAFI = 1111 1100 1110 1010 1111 00012
- 2/2) 0.2,0=0.00112
 - b) 0.046875,0=0.000112
 - a) 0.11110001112
 - d) $0.1234_0 = 0.000111111_2$

$$2.16) 1234.125_{10} = 1.234125 \times 10^{3}$$

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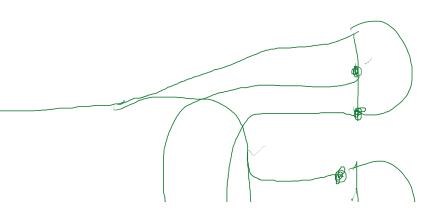
A B C D I F 0 0 8 0 0 F A C 4 D 3 0₄

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2.35) a set of circuitry that 2.36) in a FlipFlop, the reset 2.39) XYZ + XYZ

only uses NAND and NOR gat.

signal lets Q=6

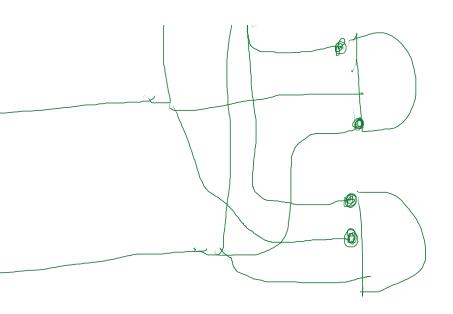


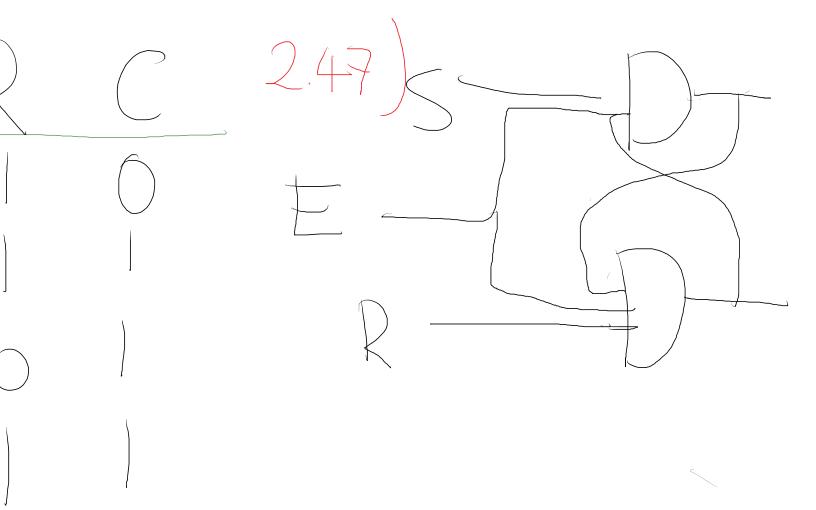


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