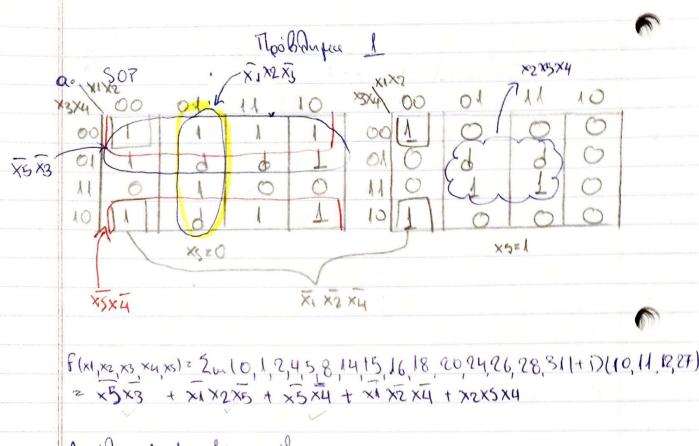
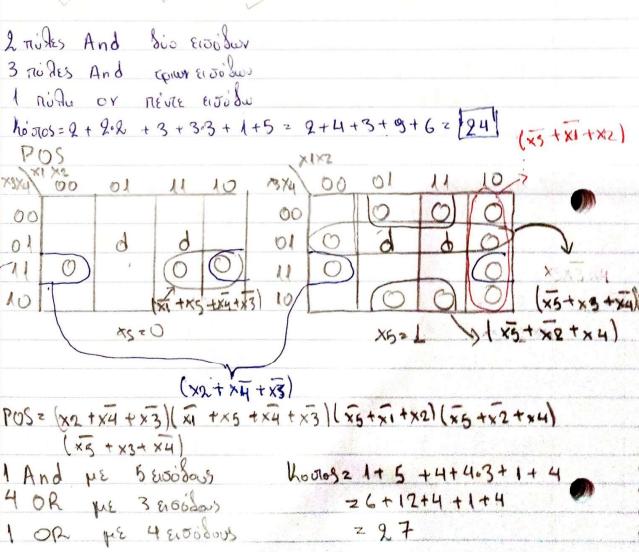


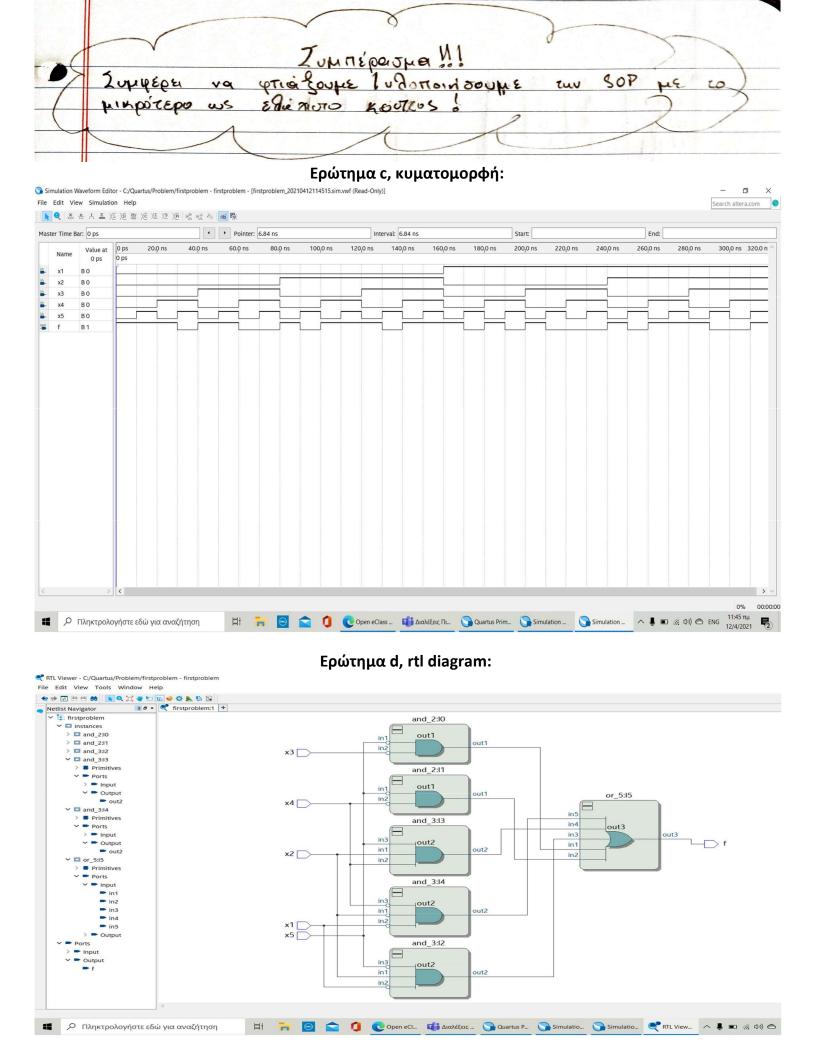
15/4/2021

Σχεδίαση Ψηφιακών Συστημάτων

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Провапна 2

(α) Από τα δεδομένα της ασμησην έγουμε:

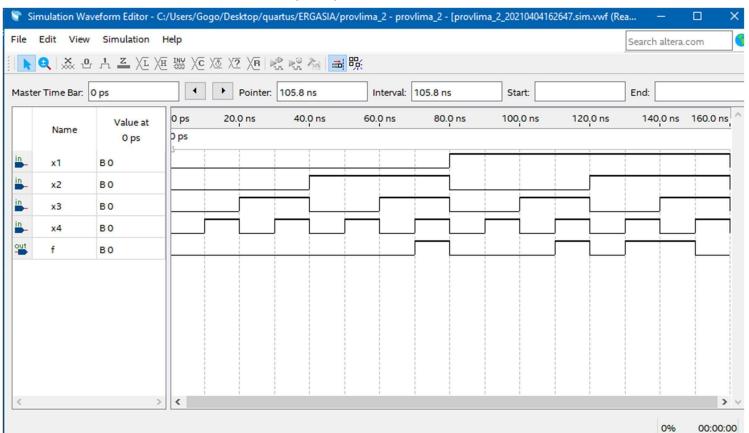
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0	0	Ţ	0	0	2	
0	0	1	1	0	3	
0	J	0	0	0	4	
0	7	0	T	0	5	
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1	0	6	0	0	8	
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1	0	1	0	0	10	
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1	1	7	0	1	14	*****
1	1	1	1	0	15	

/ X	X2			
X3 X4	00	01	11	10
00	0,	0	0	0 8
01	0,	0,	1	6
11	0,	1	0,5	0
10	0 2	06	1	0

Mopan Sum of Products

 $f(x_1, x_2, x_3, x_4) = \overline{x_1} x_2 x_3 x_4 + x_1 \overline{x_2} x_3 x_4 + x_1$

Ερώτημα c, waveform:



	Spoß	lipa	3				
WE Bain to Siappappa Exoups:							
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X ₁	Xe	X3	X4_	f (+1, +e, +3, +4)			
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0		1	0	1			
0	1	1.	1	1			
1	0	0	0	0			
1	0	0	1	6			
1	Ò	1	0	0			
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1)	1	6	1	0			
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,	(DP		1	Expratizoure Tor nivara Karnaugh.			
×3×4 ×1×2	01 11	10		(laparypours nws y 2n orn) ay sn			
00 0	10	0		γραμμή του nivaua anoteλούνται εξιολούλη			
010	110	0	X3 X4	pou ano 1, àpa ouprepaisoupe aus:			
11/1	11117	11)					
100	1110	0		F(x1, x2, x3, x4) = x1 x2 + x3 x4)			
X1 X2							

Ερώτημα c, rtl diagram RTL Viewer - C:/Quartus/Ergasia1/Ergasia - Ergasia ð File Edit View Tools Window Help Search altera.com Page: 1 of 1 ☐ A × € Ergasia:1 + Netlist Navigator ∨ 🗄 Ergasia ✓ ■ Primitives ✓

■ Logics **●** f~0 f~1 f~2 **x**1 **x2** f Output f~0 **x**3 **x4**

00:00:0