

## Σχεδίαση Ψηφιακών Συστημάτων

2<sup>η</sup> ομαδική εργασία

Μέλη:

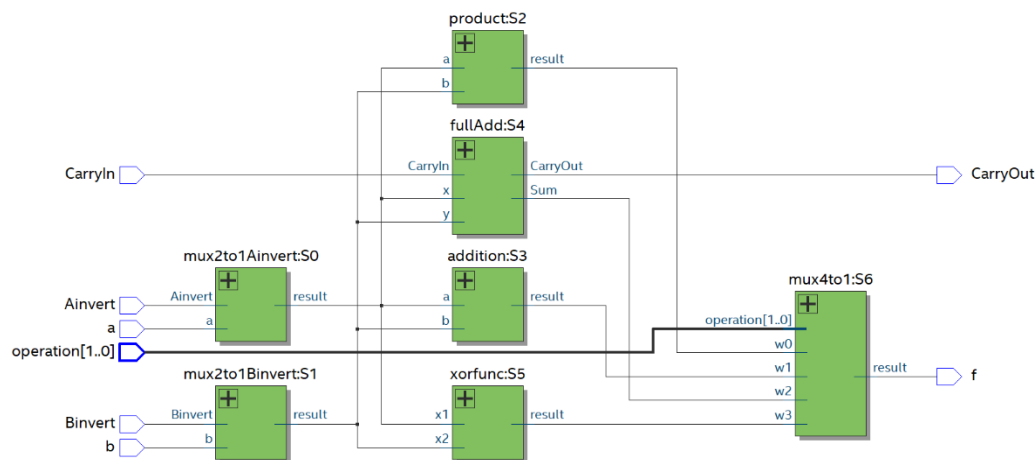
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Οδυσσέας Τζαμάκος p3210196 [p3210196@aueb.gr](mailto:p3210196@aueb.gr)

Ευάγγελος Μαρκουλάκης p3210115 [p3210115@aueb.gr](mailto:p3210115@aueb.gr)

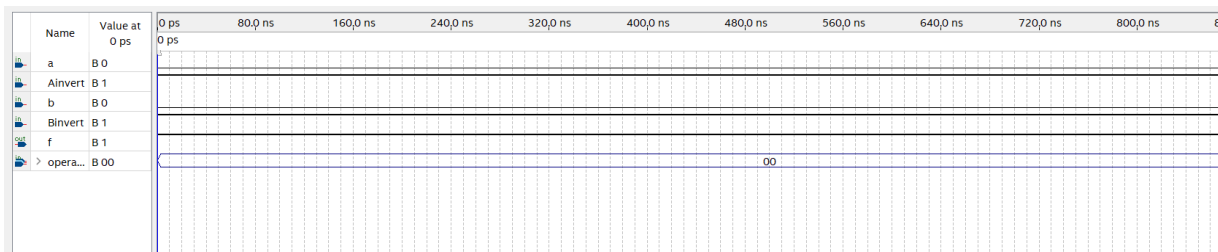
1ο μέρος:

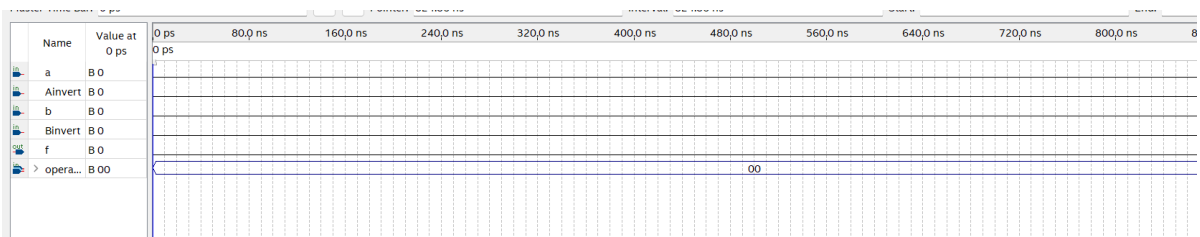
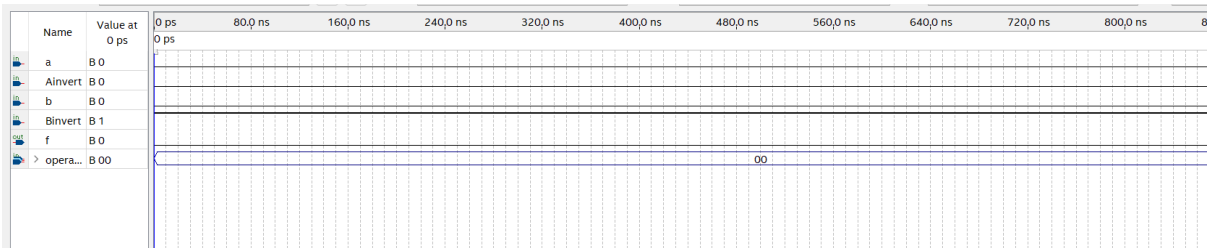
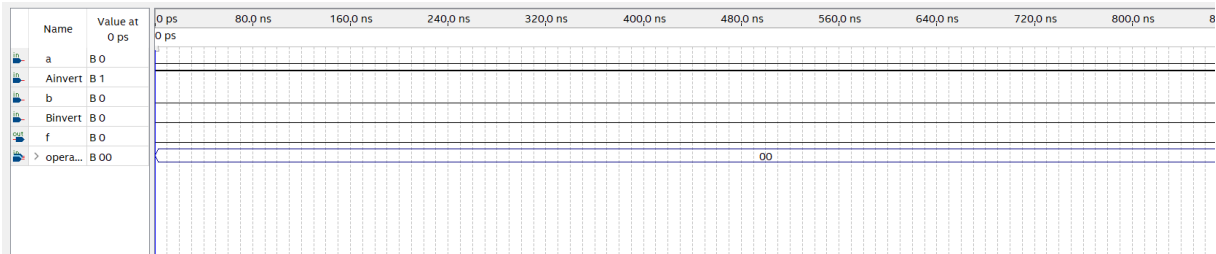
RTL viewer



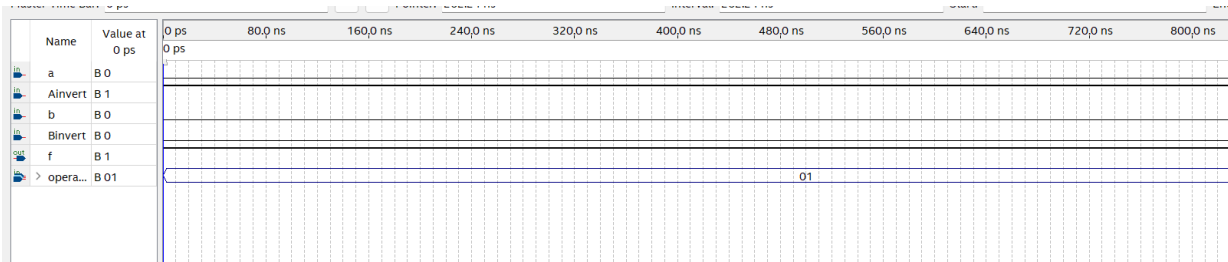
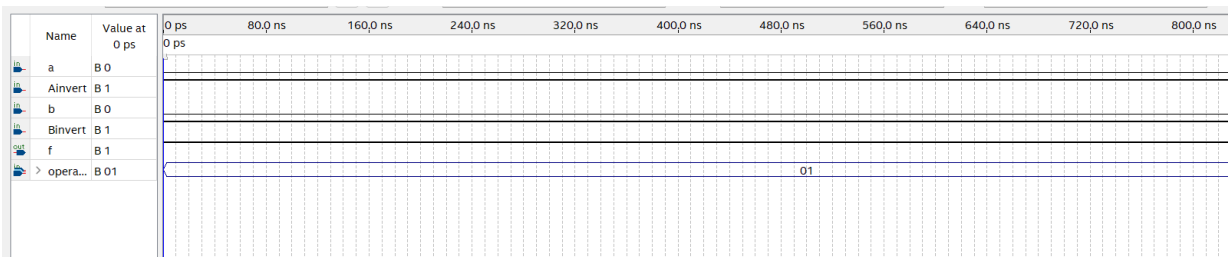
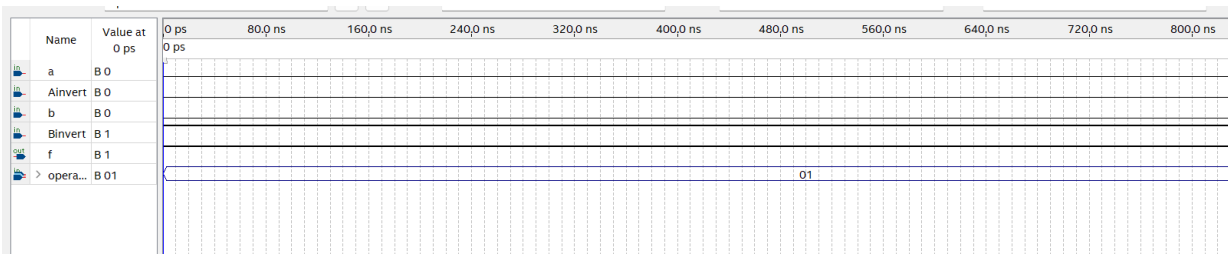
Κυματομορφές:

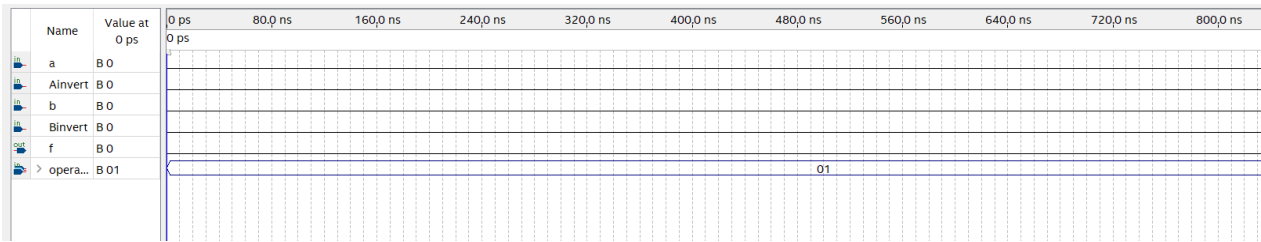
**AND**



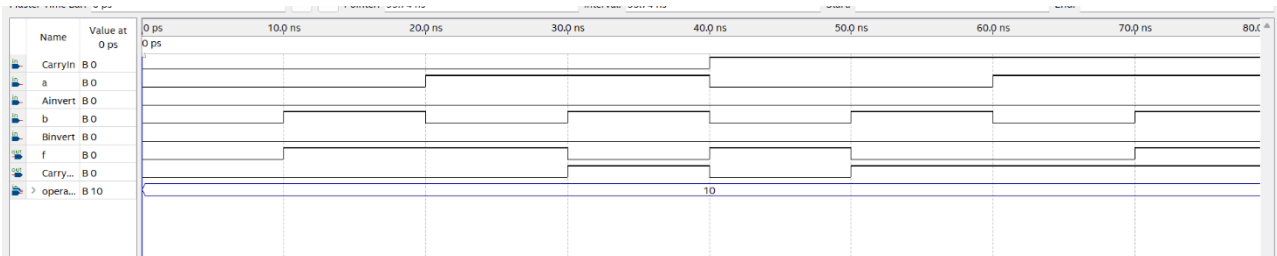
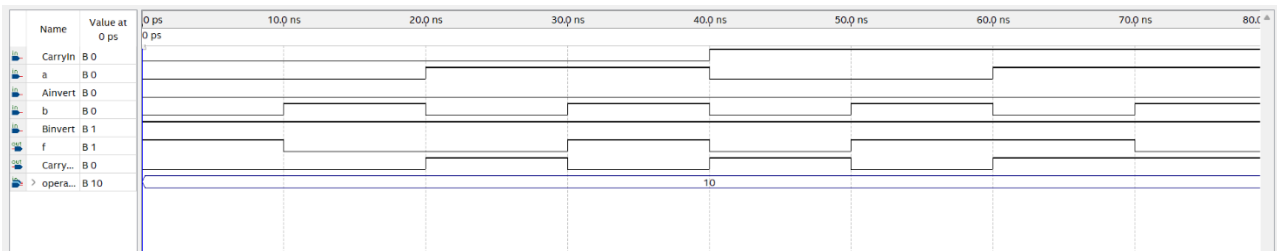
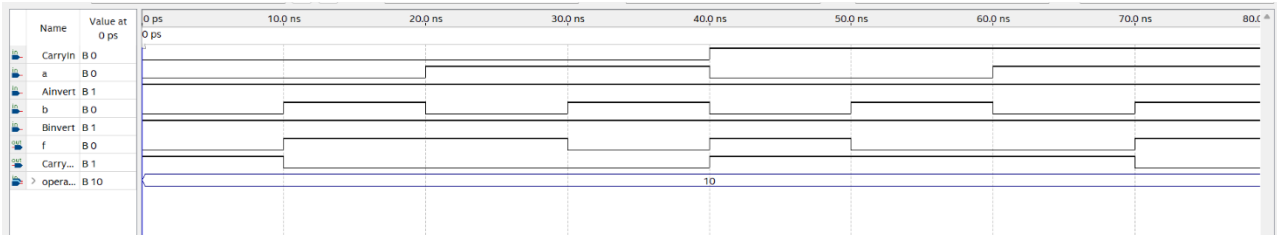
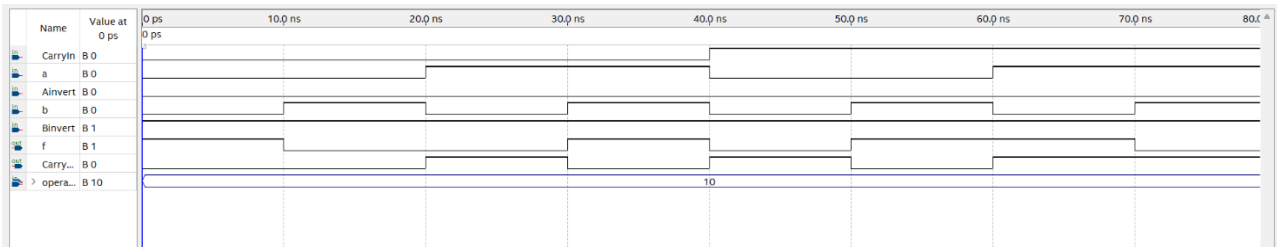


OR

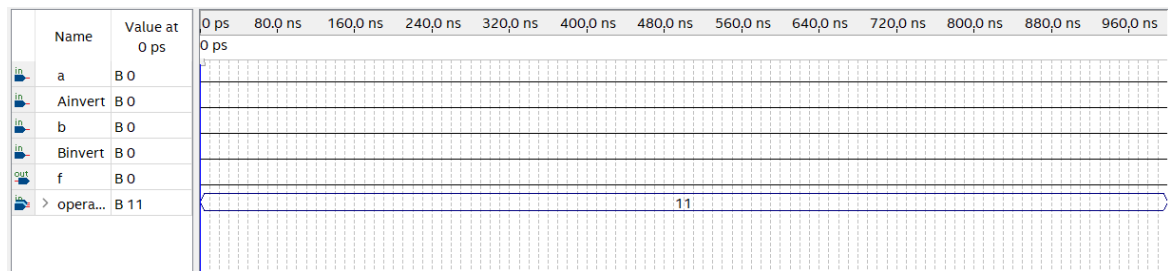
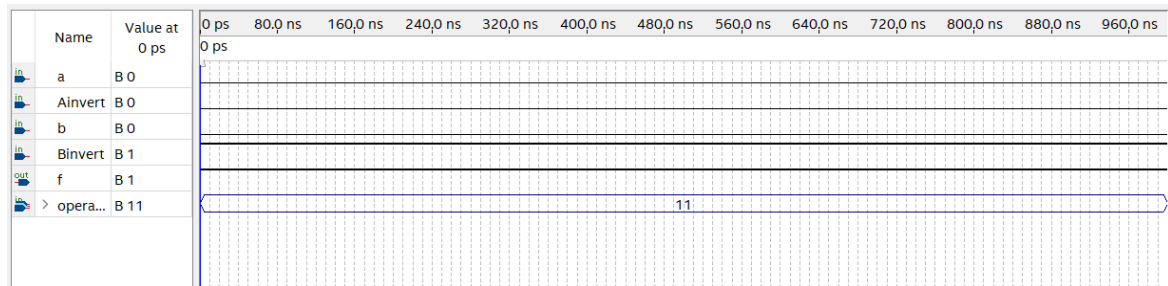
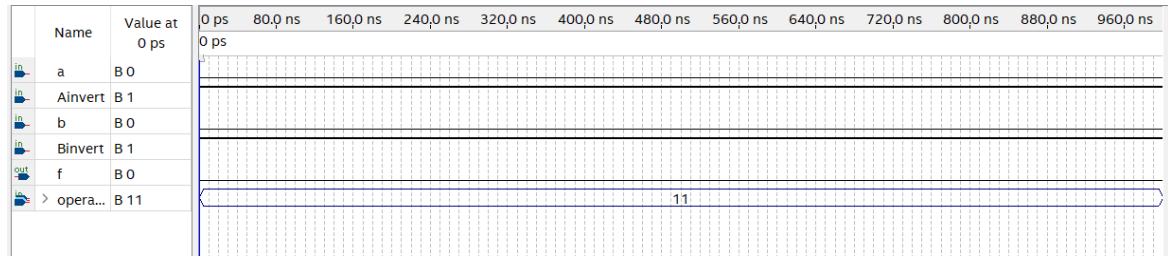
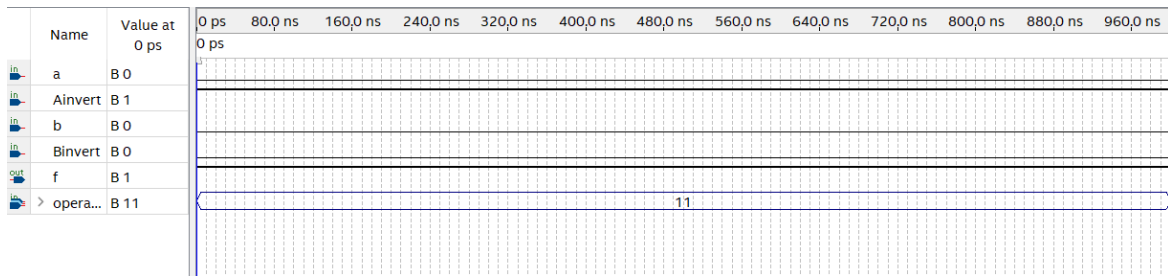




## FullAdder

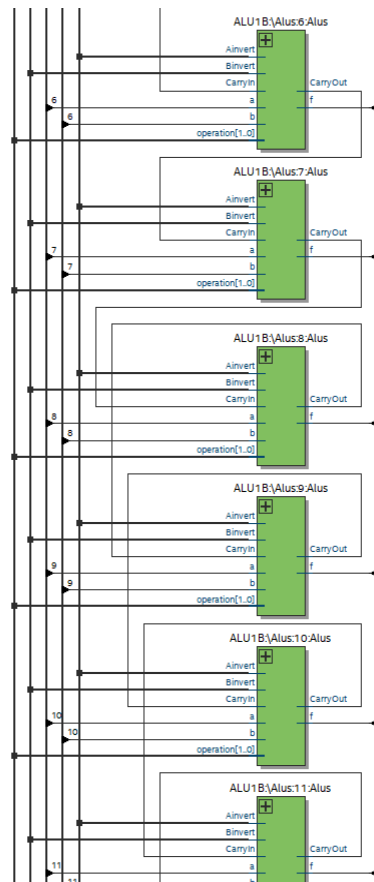
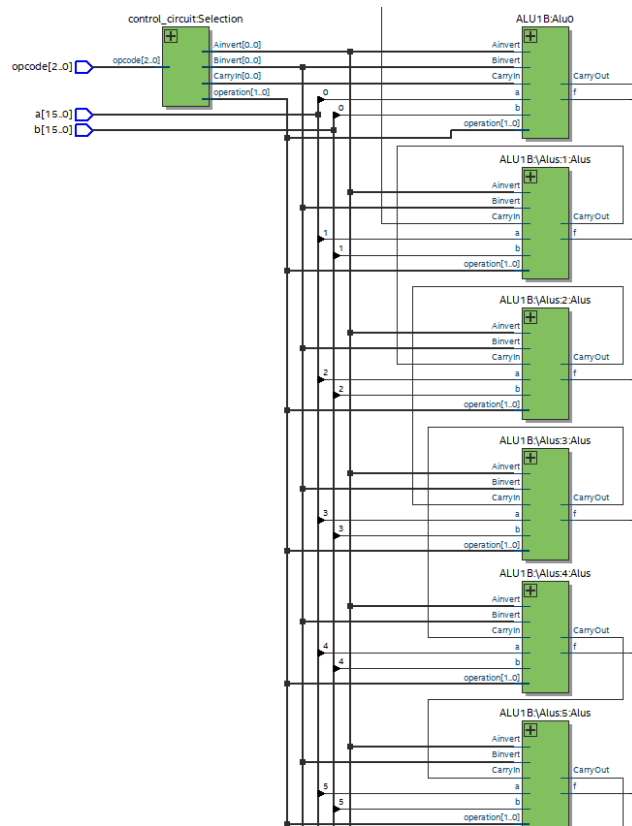


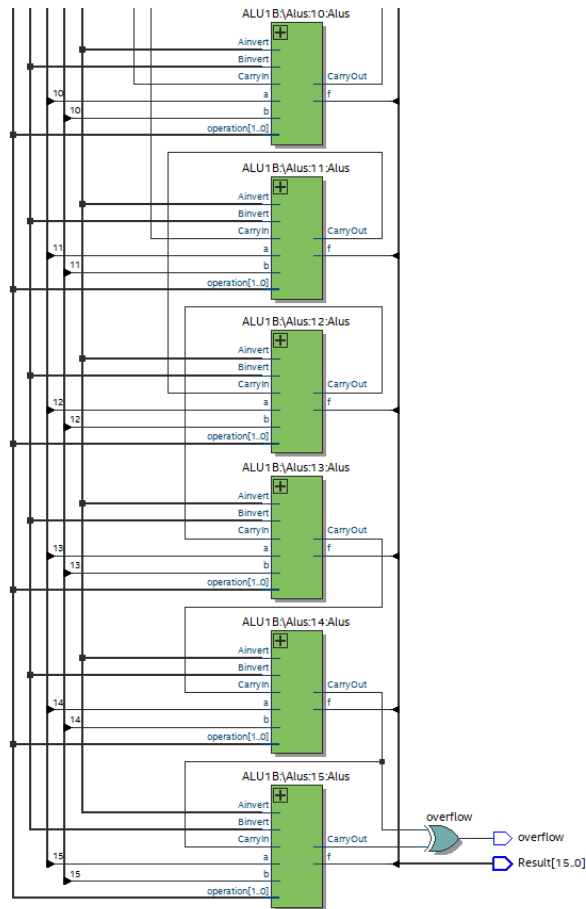
## XOR



2° μέρος:

RTL viewer









Κυματομορφές:

i)





Name	Value at 0 ps	
> a	B 011011...	0110110011001101
> b	B 001001...	0010011100011100
> opcode	B 010	010
> Result	B 100100...	1001001111101001

Name	Value at 0 ps	
> a	B 100100...	1001001100110011
> b	B 001001...	0010011100011100
> opcode	B 010	010
> Result	B 101110...	1011101001001111

	Name	Value at O ps	
	> a	B 011011...	0110110011001101
	> b	B 001001...	0010011100011100
	> opcode	B 011	011
	> Result	B 010001...	0100010110110001





	Name	Value at O ps	
	> a	B 100100...	1001001100110011
	> b	B 001001...	0010011100011100
	> opcode	B 011	011
	> Result	B 011011...	0110110000010111




ii)


	Name	Value at O ps	
	> a	B 100100...	1001001100001010
	> b	B 010101...	0101010101010001
	> opcode	B 000	000
	> Result	B 000100...	0001000100000000

	Name	Value at O ps	
	> a	B 100100...	1001001100001010
	> b	B 010101...	0101010101010001
	> opcode	B 001	001
	> Result	B 110101...	1101011101011011

iii)

	Name	Value at O ps	
	> a	B 101100...	1011001100101101
	> b	B 111101...	1111010101010001
	> opcode	B 101	101
	> Result	B 010011...	0100111011111110

	Name	Value at O ps	
	> a	B 101100...	1011001100101101
	> b	B 111101...	1111010101010001
	> opcode	B 100	100
	> Result	B 000010...	0000100010000010

	Name	Value at O ps	
	> a	B 101100...	1011001100101101
	> b	B 111101...	1111010101010001
	> opcode	B 110	110
	> Result	B 010001...	0100011001111100