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P1

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101
1	0	1	1	0110
1	1	0	0	0110
1	1	0	1	0111
1	1	1	0	0111
1	1	1	1	1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P2

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000

1	0	0	0		110
1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0001
0	1	0	1	0010
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0010
1	0	0	1	0011
1	0	1	0	0100
1	0	1	1	0101
1	1	0	0	0011
1	1	0	1	0100
1	1	1	0	0101
1	1	1	1	0110

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P3

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	110
1	0	0	1	111
1	0	1	0	100
1	0	1	1	101
1	1	0	0	111
1	1	0	1	000
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000

1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

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P4

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110
1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

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P5

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000

1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

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P6

Q1.

Tabela Verdade					
a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	1110
0	0	1	1	1111
0	1	0	0	0001
0	1	0	1	0010
0	1	1	0	1111
0	1	1	1	0000
1	0	0	0	1110
1	0	0	1	1111
1	0	1	0	1100
1	0	1	1	1101
1	1	0	0	1111
1	1	0	1	0000
1	1	1	0	1101
1	1	1	1	1110

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001

0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

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P7

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100

1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P8

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	110
1	0	0	1	111
1	0	1	0	100
1	0	1	1	101
1	1	0	0	111
1	1	0	1	000
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001

0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P9

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110

1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

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P10

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001

0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011

1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P11

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101
1	0	1	1	0110
1	1	0	0	0110
1	1	0	1	0111
1	1	1	0	0111
1	1	1	1	1000

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P12

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011

1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

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P13

Q1.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	100
0	1	0	1	101
0	1	1	0	110
0	1	1	1	111
1	0	0	0	001
1	0	0	1	010
1	0	1	0	011
1	0	1	1	100
1	1	0	0	101
1	1	0	1	110
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	1110
0	0	1	1	1111
0	1	0	0	0001

0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

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P14

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000

1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P15

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	010
1	0	0	1	011
1	0	1	0	100
1	0	1	1	101
1	1	0	0	011
1	1	0	1	100
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010

0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

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P16

Q1.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001

1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

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P17

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	010
1	0	0	1	011
1	0	1	0	100
1	0	1	1	101
1	1	0	0	011
1	1	0	1	100
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101

1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P18

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

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P19

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110
1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000

1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P20

Q1.

Tabela Verdade					
a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010

0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P21
Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110
1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000

1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P22
Q1.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	100
0	1	0	1	101
0	1	1	0	110
0	1	1	1	111
1	0	0	0	001
1	0	0	1	010
1	0	1	0	011
1	0	1	1	100
1	1	0	0	101
1	1	0	1	110
1	1	1	0	111
1	1	1	1	000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010

0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

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P23

Q1.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001

1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110
1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101
1	0	1	1	0110
1	1	0	0	0110
1	1	0	1	0111
1	1	1	0	0111
1	1	1	1	1000

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P24

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	110
1	0	0	1	111
1	0	1	0	100
1	0	1	1	101
1	1	0	0	111
1	1	0	1	000
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001

0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000

1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

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P25

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	010
1	0	0	1	011
1	0	1	0	100
1	0	1	1	101
1	1	0	0	011
1	1	0	1	100
1	1	1	0	101
1	1	1	1	110

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

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P26

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011

1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P27

Q1.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101
1	0	1	1	0110
1	1	0	0	0110
1	1	0	1	0111
1	1	1	0	0111
1	1	1	1	1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0100

0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P28

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011

1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

-
P29
Q1.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001

0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P30

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110

1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0100
0	1	0	1	0101
0	1	1	0	0110
0	1	1	1	0111
1	0	0	0	0001
1	0	0	1	0010
1	0	1	0	0011
1	0	1	1	0100
1	1	0	0	0101
1	1	0	1	0110
1	1	1	0	0111
1	1	1	1	1000

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P31

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	010
1	0	0	1	011
1	0	1	0	100
1	0	1	1	101
1	1	0	0	011
1	1	0	1	100
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011

1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P32

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

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P33

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101

1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P34

Q1.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	1110
0	0	1	1	1111
0	1	0	0	0001
0	1	0	1	0010
0	1	1	0	1111
0	1	1	1	0000
1	0	0	0	1110
1	0	0	1	1111
1	0	1	0	1100
1	0	1	1	1101
1	1	0	0	1111
1	1	0	1	0000
1	1	1	0	1101
1	1	1	1	1110

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010

0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P35
Q1.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100

1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P36

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	010
1	0	0	1	011
1	0	1	0	100
1	0	1	1	101
1	1	0	0	011
1	1	0	1	100
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110

0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P37

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110

1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

Q3.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101
1	0	1	1	0110
1	1	0	0	0110
1	1	0	1	0111
1	1	1	0	0111
1	1	1	1	1000

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P38

Q1.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	100
0	1	0	1	101
0	1	1	0	110
0	1	1	1	111
1	0	0	0	001
1	0	0	1	010
1	0	1	0	011
1	0	1	1	100
1	1	0	0	101
1	1	0	1	110
1	1	1	0	111
1	1	1	1	000

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001

0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100

1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

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P39

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	1110
0	0	1	1	1111
0	1	0	0	0001
0	1	0	1	0010
0	1	1	0	1111
0	1	1	1	0000
1	0	0	0	1110
1	0	0	1	1111
1	0	1	0	1100
1	0	1	1	1101
1	1	0	0	1111
1	1	0	1	0000
1	1	1	0	1101
1	1	1	1	1110

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P40

Q1.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101

1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

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P41

Q1.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101
1	0	1	1	0110
1	1	0	0	0110
1	1	0	1	0111
1	1	1	0	0111
1	1	1	1	1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0100

0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P42

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101

1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

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P43

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0001
0	1	0	1	0010
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0010
1	0	0	1	0011
1	0	1	0	0100
1	0	1	1	0101
1	1	0	0	0011
1	1	0	1	0100
1	1	1	0	0101
1	1	1	1	0110

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001

0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P44

Q1.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001

1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

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P45

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	010
1	0	0	1	011
1	0	1	0	100
1	0	1	1	101
1	1	0	0	011
1	1	0	1	100
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001

0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade				
a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q4.

Tabela Verdade				
a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101

1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P46

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110
1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011
1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	010
1	0	0	1	011
1	0	1	0	000
1	0	1	1	001
1	1	0	0	011
1	1	0	1	100
1	1	1	0	001
1	1	1	1	010

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

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P47

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100

1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P48

Q1.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	1110
0	0	1	1	1111
0	1	0	0	0001

0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

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P49

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000

1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

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P50

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	110
1	0	0	1	111
1	0	1	0	100
1	0	1	1	101
1	1	0	0	111
1	1	0	1	000
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0100
0	1	0	1	0101
0	1	1	0	0110
0	1	1	1	0111
1	0	0	0	0001
1	0	0	1	0010
1	0	1	0	0011
1	0	1	1	0100
1	1	0	0	0101
1	1	0	1	0110
1	1	1	0	0111
1	1	1	1	1000

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001

0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

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P51

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100

1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

Q3.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0100
0	1	0	1	0101
0	1	1	0	0110
0	1	1	1	0111
1	0	0	0	0001
1	0	0	1	0010
1	0	1	0	0011
1	0	1	1	0100
1	1	0	0	0101
1	1	0	1	0110
1	1	1	0	0111
1	1	1	1	1000

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P52

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001

0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0100
0	1	0	1		0101
0	1	1	0		0110
0	1	1	1		0111
1	0	0	0		0001
1	0	0	1		0010
1	0	1	0		0011

1	0	1	1		0100
1	1	0	0		0101
1	1	0	1		0110
1	1	1	0		0111
1	1	1	1		1000

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P53

Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	110
1	0	0	1	111
1	0	1	0	100
1	0	1	1	101
1	1	0	0	111
1	1	0	1	000
1	1	1	0	101
1	1	1	1	110

Q4.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0100
0	1	0	1	0101
0	1	1	0	0110
0	1	1	1	0111
1	0	0	0	0001
1	0	0	1	0010
1	0	1	0	0011
1	0	1	1	0100
1	1	0	0	0101
1	1	0	1	0110
1	1	1	0	0111
1	1	1	1	1000

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P54

Q1.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001

0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0010
0	0	1	1		0011
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0010
1	0	0	1		0011
1	0	1	0		0100
1	0	1	1		0101
1	1	0	0		0011
1	1	0	1		0100
1	1	1	0		0101
1	1	1	1		0110

Q3.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011

1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade					
a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

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P55

Q1.

Tabela Verdade					
a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q2.

Tabela Verdade

a_0	b_2	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0100
0	1	0	1	0101
0	1	1	0	0110
0	1	1	1	0111
1	0	0	0	0001
1	0	0	1	0010
1	0	1	0	0011
1	0	1	1	0100
1	1	0	0	0101
1	1	0	1	0110
1	1	1	0	0111
1	1	1	1	1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	110
1	0	0	1	111
1	0	1	0	100
1	0	1	1	101
1	1	0	0	111
1	1	0	1	000
1	1	1	0	101
1	1	1	1	110

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001

0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

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Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101

1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000
1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

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Q1.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	110
0	0	1	1	111
0	1	0	0	001
0	1	0	1	010
0	1	1	0	111
0	1	1	1	000
1	0	0	0	110
1	0	0	1	111
1	0	1	0	100
1	0	1	1	101
1	1	0	0	111
1	1	0	1	000
1	1	1	0	101
1	1	1	1	110

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0001
0	0	1	1	0010
0	1	0	0	0010
0	1	0	1	0011
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0100
1	0	0	1	0101
1	0	1	0	0101
1	0	1	1	0110
1	1	0	0	0110
1	1	0	1	0111
1	1	1	0	0111
1	1	1	1	1000

Q3.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010

0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		010
1	0	0	1		011
1	0	1	0		100
1	0	1	1		101
1	1	0	0		011
1	1	0	1		100
1	1	1	0		101
1	1	1	1		110

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

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Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		110

1	0	0	1		111
1	0	1	0		100
1	0	1	1		101
1	1	0	0		111
1	1	0	1		000
1	1	1	0		101
1	1	1	1		110

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_0	b_2	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		100
0	1	0	1		101
0	1	1	0		110
0	1	1	1		111
1	0	0	0		001
1	0	0	1		010
1	0	1	0		011
1	0	1	1		100
1	1	0	0		101
1	1	0	1		110
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	010
0	0	1	1	011
0	1	0	0	001
0	1	0	1	010
0	1	1	0	011
0	1	1	1	100
1	0	0	0	110
1	0	0	1	111
1	0	1	0	000
1	0	1	1	001
1	1	0	0	111
1	1	0	1	000
1	1	1	0	001
1	1	1	1	010

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Q1.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q2.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001

0	0	1	0		1110
0	0	1	1		1111
0	1	0	0		0001
0	1	0	1		0010
0	1	1	0		1111
0	1	1	1		0000
1	0	0	0		1110
1	0	0	1		1111
1	0	1	0		1100
1	0	1	1		1101
1	1	0	0		1111
1	1	0	1		0000
1	1	1	0		1101
1	1	1	1		1110

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		001
0	0	1	1		010
0	1	0	0		010
0	1	0	1		011
0	1	1	0		011
0	1	1	1		100
1	0	0	0		100
1	0	0	1		101
1	0	1	0		101
1	0	1	1		110
1	1	0	0		110
1	1	0	1		111
1	1	1	0		111
1	1	1	1		000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		010
0	0	1	1		011
0	1	0	0		001
0	1	0	1		010
0	1	1	0		011
0	1	1	1		100
1	0	0	0		110
1	0	0	1		111
1	0	1	0		000

1	0	1	1		001
1	1	0	0		111
1	1	0	1		000
1	1	1	0		001
1	1	1	1		010

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Q1.

Tabela Verdade

a_1	a_0	b_1	b_0		Sum
0	0	0	0		000
0	0	0	1		001
0	0	1	0		110
0	0	1	1		111
0	1	0	0		001
0	1	0	1		010
0	1	1	0		111
0	1	1	1		000
1	0	0	0		010
1	0	0	1		011
1	0	1	0		000
1	0	1	1		001
1	1	0	0		011
1	1	0	1		100
1	1	1	0		001
1	1	1	1		010

Q2.

Tabela Verdade

a_2	a_1	a_0	b_0		Sum
0	0	0	0		0000
0	0	0	1		0001
0	0	1	0		0001
0	0	1	1		0010
0	1	0	0		0010
0	1	0	1		0011
0	1	1	0		0011
0	1	1	1		0100
1	0	0	0		0100
1	0	0	1		0101
1	0	1	0		0101
1	0	1	1		0110
1	1	0	0		0110
1	1	0	1		0111
1	1	1	0		0111
1	1	1	1		1000

Q3.

Tabela Verdade

a_2	a_1	a_0	b_0	Sum
0	0	0	0	000
0	0	0	1	001
0	0	1	0	001
0	0	1	1	010
0	1	0	0	010
0	1	0	1	011
0	1	1	0	011
0	1	1	1	100
1	0	0	0	100
1	0	0	1	101
1	0	1	0	101
1	0	1	1	110
1	1	0	0	110
1	1	0	1	111
1	1	1	0	111
1	1	1	1	000

Q4.

Tabela Verdade

a_1	a_0	b_1	b_0	Sum
0	0	0	0	0000
0	0	0	1	0001
0	0	1	0	0010
0	0	1	1	0011
0	1	0	0	0001
0	1	0	1	0010
0	1	1	0	0011
0	1	1	1	0100
1	0	0	0	0010
1	0	0	1	0011
1	0	1	0	0100
1	0	1	1	0101
1	1	0	0	0011
1	1	0	1	0100
1	1	1	0	0101
1	1	1	1	0110