Laboratório de Sistemas Digitais

Exercícios sobre operações aritméticas e deteção de overflow sem sinal e com sinal (complemento para 2)

	Representação em binário	Representação em decimal	
		Considerando quantidades sem sinal	Considerando quantidades com sinal
1	0 0 1 1 + 0 1 0 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
2	0 0 1 1 + 1 1 0 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
3	1 1 0 1 + 0 1 0 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
4	1 1 0 1 + 1 1 0 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
5	0 1 0 1 + 0 1 1 1	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
6	0 1 0 1 + 1 0 0 1	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
7	1 0 1 1 + 0 1 1 1	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
8	1 0 1 1 + 1 0 0 1	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
9	1 0 0 0 + 0 1 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
10	1 0 0 0 + 1 0 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
11	1 0 0 0 + 0 1 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
12	1 0 0 0 + 1 0 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
13	0 0 1 0 + 0 0 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
14	0 0 1 0 + 1 1 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
15	1 1 1 0 + 0 0 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)
16	1 1 1 0 + 1 1 1 0	+ _____ Overflow? (s/n)	+ _____ Overflow? (s/n)