

CODIFICADOR BCD 8421 PARA
EXCESSO 3

	BCD 8 421				EXCESSO 3			
	A	B	C	D	SA	SB	SC	SD
	0	0	0	0	0	0	1	1
	0	0	0	1	0	1	0	0
	0	0	1	0	0	1	0	1
	0	0	1	1	0	1	1	0
	0	1	0	0	0	1	1	1
	0	1	0	1	1	0	0	0
	0	1	1	0	1	0	0	1
	0	1	1	1	1	0	1	0
	1	0	0	0	1	0	1	1
	1	0	0	1	1	1	0	0
	1	0	1	0	X	X	X	X
	1	0	1	1	X	X	X	X
	1	1	0	0	X	X	X	X
	1	1	0	1	X	X	X	X
	1	1	1	0	X	X	X	X
	1	1	1	1	X	X	X	X

		CD			
AB		00	01	11	10
	00	0	0	0	0
	01	0	1	1	1
	11	X	X	X	X
	10	1	1	X	X

$$S3 = A + BD + BC$$

		CD			
AB		00	01	11	10
	00	0	1	1	1
	01	1	0	0	0
	11	X	X	X	X
	10	0	1	X	X

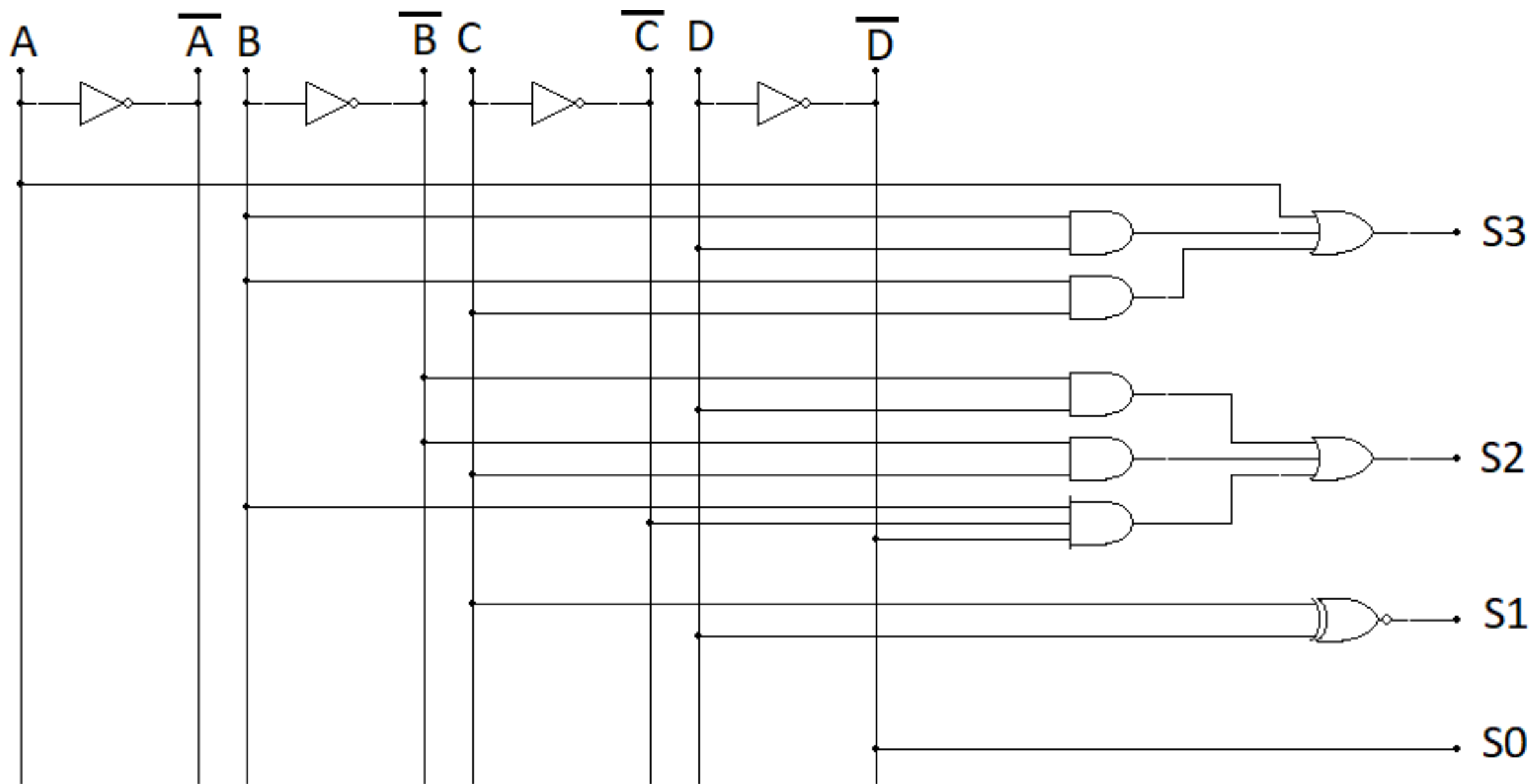
$$S2 = \bar{B} . D + \bar{B} . C + B . \bar{C} . \bar{D}$$

		CD			
AB		00	01	11	10
	00	1	0	1	0
	01	1	0	1	0
	11	X	X	X	X
	10	1	0	X	X

$$S1 = \bar{C} \cdot \bar{D} + C \cdot D = C \odot D$$

		CD			
AB		00	01	11	10
	00	1	0	0	1
	01	1	0	0	1
	11	X	X	X	X
	10	1	0	X	X

$$S0 = \bar{D}$$



Para a próxima aula, trazer o projeto de um decodificador do código Excesso 3 para o código BCD 8421.