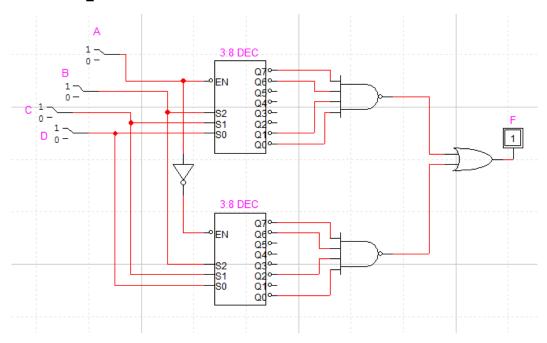
Ana Patrícia Gomes da Cruz, nº 76351 P3-9

TPC: Exercício 7_Guião 5



Α	В	С	D	f
0	0	0	0	1
0	0	0	1	1
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	1
1	1	1	1	1

$$f(A,B,C,D)$$
 = A'B'C'D' + A'B'C'D + A'BCD' + A'BCD + AB'C'D' + AB'CD' + ABCD' + ABCD
= A'B'C' (D'+D) + A'BC (D'+D) + AB'C'D' + AB'CD' + ABC (D'+D)
= A'B'C' + A'BC + AB'C'D' + AB'CD' + ABC
= BC (A'+A) + A'B'C' + AB'D' (C'+C)
= BC + A'B'C' + AB'D'