Prática 03 - Pardeus

(01) a) $S = A'B'C'D' + A'B'C'D + A'BCD' + A'BCD + AB'C'D$

C/D \ A/B	00	01	11	10
00	1			
01	1			1
11		1		
10		1		

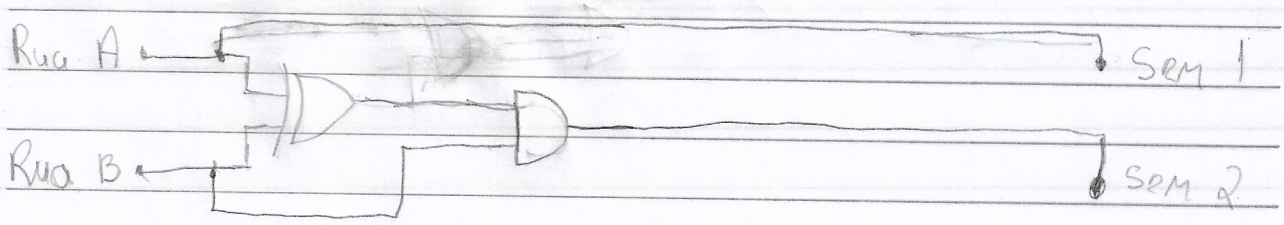
$= A'B'C' + B'C'D + A'BC$

b) $S = AB'CD + AB'CD' + ABC'D + ABCD + A'B'CD + A'B'CD' + AB'C'D' + A'B'C'D$

C/D \ A/B	00	01	11	10
00	0	0	0	1
01	1	0	1	0
11	1	0	1	1
10	1	0	0	1

$= B'C' + A'B'D + ABD + AB'C'D'$

(3-) 0 = sem carros, 1 = com carros.



(2-) $(BC \oplus \overline{BA} \oplus \overline{AD}) + \overline{(C + A + D)}$

$[(\overline{BD})(\overline{BA}) + (\overline{BD})(BA) \oplus \overline{AD}] + cA\overline{D}$

$B\overline{B} + B\overline{A} + \overline{D}B + \overline{D}A + \dots$

$B + B\overline{A} + \overline{D}B + \overline{D}A + \dots$

$B + B\bar{A} + \bar{D}B + D + A + [\bar{B} + D](\bar{B} + A) \oplus A + D] + C\bar{A}\bar{D}$

$B + B\bar{A} + D + B + A$

$B + B\bar{A} + A + D$

$B + B + A + D$

$(B + A + D \oplus A + D) + C\bar{A}\bar{D}$

$B + A + D(\bar{A}\bar{D} + BAD(A + D)$

$\overline{B\bar{A}} + D\bar{A} + B\bar{D} + A\bar{D} + BAD(A + D)$

$B\bar{A} + D\bar{A} + B\bar{D} + A\bar{D} + BA + BD + A + AD + D$

$B\bar{A} + B\bar{D} + D\bar{A} + AD + D\bar{D} + AA + A\bar{D}$

$B\bar{A} + B\bar{D} + D\bar{A} + AD + A + A\bar{D}$

$B\bar{A} + B\bar{D} + A + BA + D\bar{D} + A\bar{A} + \bar{A}\bar{D}$

$B\bar{A} + \overline{BD} + \bar{A}\bar{D}$