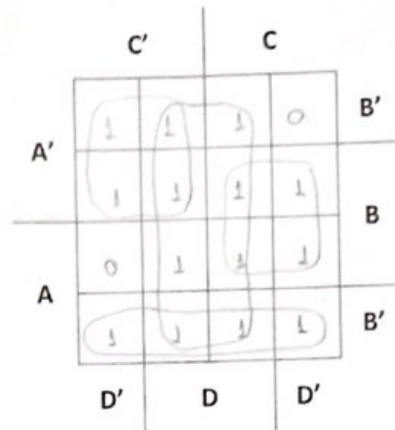


# APNP - Semana 5 - Lista OAC - Layla Couto

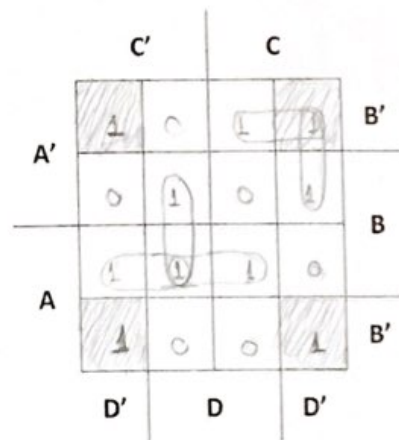
C1)  $S = D + AB' + A'C' + BC$

Situação	A	B	C	D	S
0	0	0	0	0	↓
1	0	0	0	1	↓
2	0	0	1	0	0
3	0	0	1	1	↓
4	0	1	0	0	↓
5	0	1	0	1	↓
6	0	1	1	0	↓
7	0	1	1	1	↓
8	1	0	0	0	↓
9	1	0	0	1	↓
10	1	0	1	0	↓
11	1	0	1	1	↓
12	1	1	0	0	0
13	1	1	0	1	↓
14	1	1	1	0	↓
15	1	1	1	1	↓



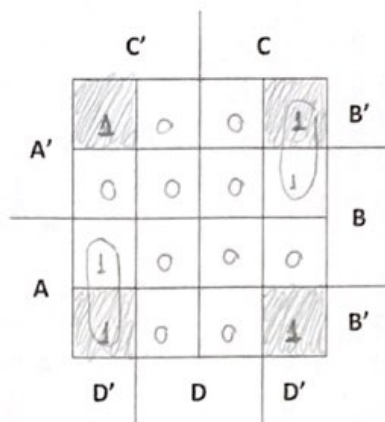
C2)  $S = B'D + ABC' + A'B'C + ABD + A'CD' + BC'D$

Situação	A	B	C	D	S
0	0	0	0	0	↓
1	0	0	0	1	0
2	0	0	1	0	↓
3	0	0	1	1	↓
4	0	1	0	0	0
5	0	1	0	1	↓
6	0	1	1	0	↓
7	0	1	1	1	0
8	1	0	0	0	↓
9	1	0	0	1	0
10	1	0	1	0	↓
11	1	0	1	1	0
12	1	1	0	0	↓
13	1	1	0	1	↓
14	1	1	1	0	0
15	1	1	1	1	↓



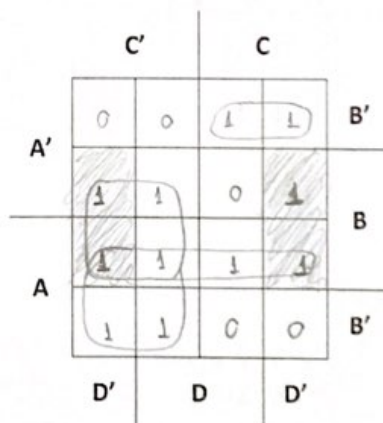
$$C3) S = B'D + AC'D + A'CD'$$

Situação	A	B	C	D	S
0	0	0	0	0	1
1	0	0	0	1	0
2	0	0	1	0	1
3	0	0	1	1	0
4	0	1	0	0	0
5	0	1	0	1	0
6	0	1	1	0	1
7	0	1	1	1	0
8	1	0	0	0	1
9	1	0	0	1	0
10	1	0	1	0	1
11	1	0	1	1	0
12	1	1	0	0	1
13	1	1	0	1	0
14	1	1	1	0	0
15	1	1	1	1	0



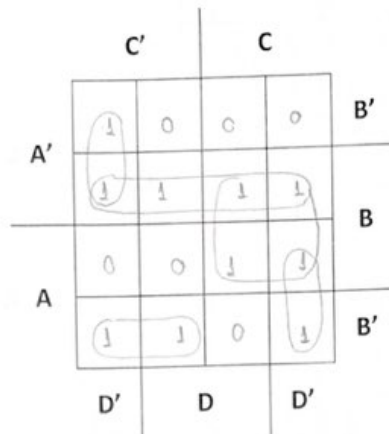
$$C4) S = AB + BC' + BD' + AC' + A'B'C$$

Situação	A	B	C	D	S
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	1
3	0	0	1	1	1
4	0	1	0	0	1
5	0	1	0	1	1
6	0	1	1	0	1
7	0	1	1	1	0
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	0
11	1	0	1	1	0
12	1	1	0	0	1
13	1	1	0	1	1
14	1	1	1	0	1
15	1	1	1	1	1



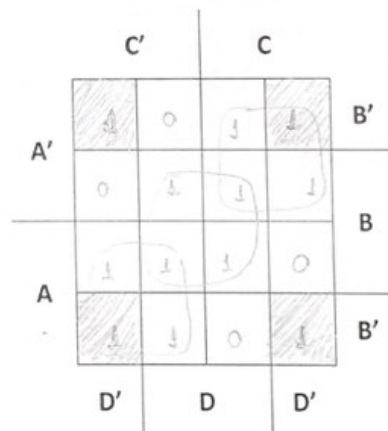
$$C5) S = A'B + BC + ABC' + A'C'D + ACD'$$

Situação	A	B	C	D	S
0	0	0	0	0	1
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	0
4	0	1	0	0	1
5	0	1	0	1	1
6	0	1	1	0	1
7	0	1	1	1	1
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	0
12	1	1	0	0	0
13	1	1	0	1	0
14	1	1	1	0	1
15	1	1	1	1	1



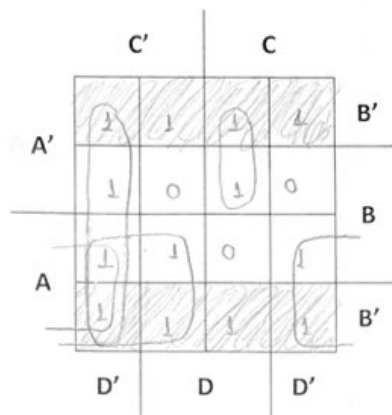
$$C6) S = BD + AC' + A'C + B'D'$$

Situação	A	B	C	D	S
0	0	0	0	0	1
1	0	0	0	1	0
2	0	0	1	0	1
3	0	0	1	1	1
4	0	1	0	0	0
5	0	1	0	1	1
6	0	1	1	0	1
7	0	1	1	1	1
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	0
12	1	1	0	0	1
13	1	1	0	1	1
14	1	1	1	0	0
15	1	1	1	1	1



$$c7) S = B' + AC' + AD' + C'D' + A'CD$$

Situação	A	B	C	D	S
0	0	0	0	0	1
1	0	0	0	1	1
2	0	0	1	0	1
3	0	0	1	1	1
4	0	1	0	0	1
5	0	1	0	1	0
6	0	1	1	0	0
7	0	1	1	1	1
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	1
12	1	1	0	0	1
13	1	1	0	1	1
14	1	1	1	0	1
15	1	1	1	1	0



$$c8) S = AB + AC$$

Situação	A	B	C	D	S
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	0
4	0	1	0	0	0
5	0	1	0	1	0
6	0	1	1	0	0
7	0	1	1	1	0
8	1	0	0	0	0
9	1	0	0	1	0
10	1	0	1	0	1
11	1	0	1	1	1
12	1	1	0	0	1
13	1	1	0	1	1
14	1	1	1	0	1
15	1	1	1	1	1

