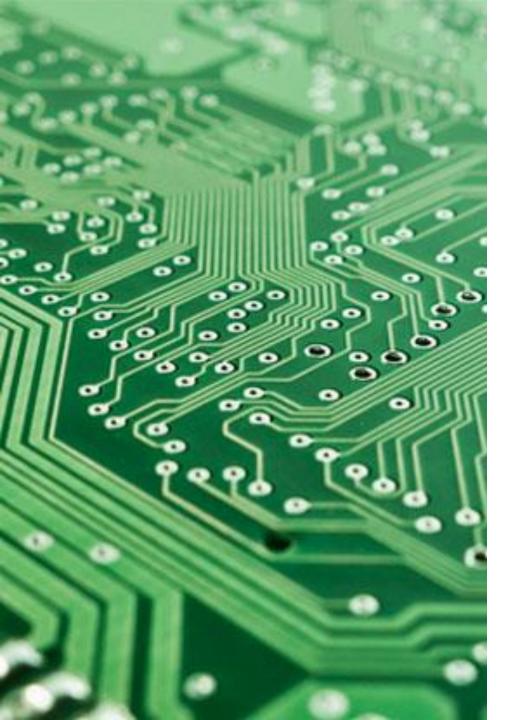


Projeto de SCS

Equipe:

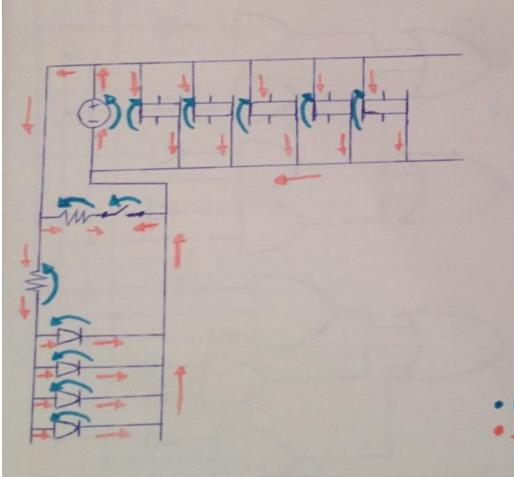
- Douglas Dauto Bastos
- Bruna Manoela dos Santos
- Caio Silva Sousa
- Danilo Bastos Rodrigues dos Santos
- Alexandro Jesus Santana



Descrição

• Este projeto consiste em um mecanismo de catracas inteligentes para resolver problemas de gerenciamento de filas.

CONVENÇÃO DO CIRCUITO



c= cotraca = Saida

TABELA VERDADE

ACS						, pc2			pe3				peh.
A	3	c	D	A.B	A.B	A.B+A.B	A.C	B.C	A. C+ B.C	A.C.D	1.B.D	B.E.D	A. E. D + A. B. D + B. E. O
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	3	1	1	3
0	0	1	0	0	0	0	1	1	1	0	0	0	0
0	0	2	3	0	0	0	3	7	1	0	1	0	1
0	3	0	0	0	1	1	0	0	0	0	0	0	0
0	1	0	3	0	ゴ	1	0	0	0	1	0	0	1
0	1	3	0	0	1	1	1	0	1	0	0	0	0
0	3	3	3	0	ゴ	1	1	0	1	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	3	0	0	0	0	0	0	0	0	1	J
1	0	1	0	0	0	0	0	1	J	0	0	0	0
ユ	0	1	1	0	0	0	0	1	1	0	0	0	0
1	1	0	0	1	0	1	0	0	0	0	0	0	0
コ	1	0	7	7	0	1	0	0	0	0	0	0	0
1	7	ゴ	0	1	0	1	0	0	0	0	0	0	0
77	1	1	1	1	0	J	0	0	0	0	0	0	0

MAPA DE KARNAUGH

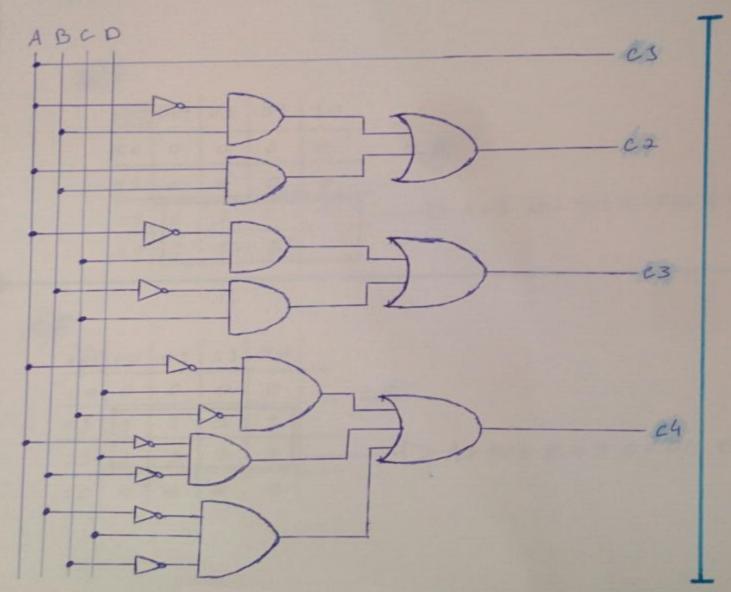
03					
AB	000	03	22	30	
00	0	0	0	0	=A
01	0	0	0	0	
11	3	1	1	3	- D A=3 B=0/3 C=0/3 D=0/3
30	13	- 1	3	1	

ı	c3					
ı	ABCO	00	03	12	30	= A.C+B.C
ı	00	0	0	10	1	
ı	03	0	0	1	1-	DA=0 B=0/3
ı	23	0	0	0	0	C
ı	30	0	0	1	1	
ı			-	1,		
1				LD	A = (013 B=0 C=10=013

12					
480	00	03	13	10	
00	0	0	0	0	= B
01	3	3	1	コ	
11	1	1	3	1	- A= 0/3 B= 3 C= 0/3 D= 0/3
30	0	0	0	0	

CH					
ABO	00	03	33	10	= A.B.D+ T.E.D+
00	0	B	1	0	B .ē.D
03	0	1	0	0	DA=0 B=0
ZZ	0	0	0	0	(-0130
30	0	1	0	0	D A=0
					D= 0/3 C=0
		_	DA	= 0	13 0=0 0=0 0=1

CIRCUITO LÓGICOE SIMPLIFICAÇÃODE EXPRESSÃO BOOLEAM



S=A + C3 S=B+C3 S=A.C+B.C+C3 S=A.B.D+A.E.D+B.C.D-DC4



