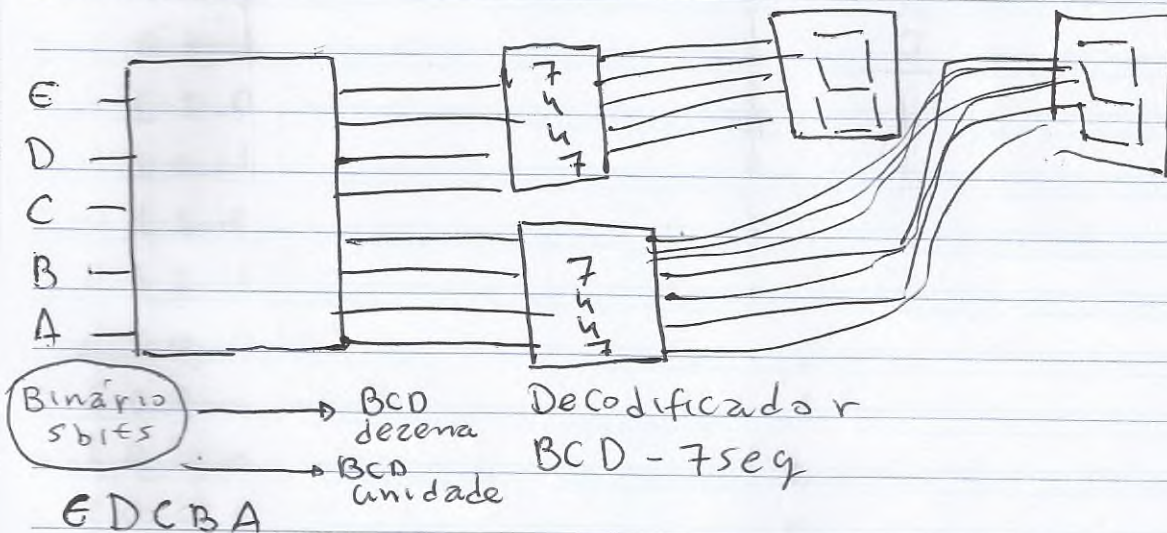


Eletrônica Digital -

Projeto - Binário 5bits - 7 segmentos

~~Projeto~~



Display da ~~De~~
Dezena

Display da
Unitade

EDCBA	No	dd	cd	bd	ad	du	cu	bu	au
0 0 0 0 0	00	0	0	0	0	0	0	0	0
0 0 0 0 1	01	0	0	0	0	0	0	0	1
0 0 0 1 0	02	0	0	0	0	0	0	1	0
0 0 0 1 1	03	0	0	0	0	0	0	1	1
0 0 1 0 0	04	0	0	0	0	0	1	0	0
0 0 1 0 1	05	0	0	0	0	0	1	0	1
0 0 1 1 0	06	0	0	0	0	0	1	1	0
0 0 1 1 1	07	0	0	0	0	0	1	1	1
0 1 0 0 0	08	0	0	0	0	1	0	0	0
0 1 0 0 1	09	0	0	0	0	1	0	0	1
0 1 0 1 0	10	0	0	0	1	0	0	0	0
0 1 0 1 1	11	0	0	0	1	0	0	0	1
0 1 1 0 0	12	0	0	0	1	0	0	1	0
0 1 1 0 1	13	0	0	0	1	0	0	1	1
0 1 1 1 0	14	0	0	0	1	0	1	0	0
0 1 1 1 1	15	0	0	0	1	0	1	0	1
1 0 0 0 0	16	0	0	0	1	0	1	1	0
1 0 0 0 1	17	0	0	0	1	0	1	1	1
1 0 0 1 0	18	0	0	0	1	1	0	0	0
1 0 0 1 1	19	0	0	0	1	1	0	0	1
1 0 1 0 0	20	0	0	1	0	0	0	0	0
1 0 1 0 1	21	0	0	1	0	0	0	0	1
1 0 1 1 0	22	0	0	1	0	0	0	1	0
1 0 1 1 1	23	0	0	1	0	0	0	1	1
1 1 0 0 0	24	0	0	1	0	0	1	0	0
1 1 0 0 1	25	0	0	1	0	0	1	0	1
1 1 0 1 0	26	0	0	1	0	0	1	1	0
1 1 0 1 1	27	0	0	1	0	0	1	1	1
1 1 1 0 0	28	0	0	1	0	1	0	0	0
1 1 1 0 1	29	0	0	1	0	1	0	0	1
1 1 1 1 0	30	0	0	1	1	0	0	0	0
1 1 1 1 1	31	0	0	1	1	0	0	0	1

$$bd = 0 \quad cd = 0 \quad au = A$$

bd

	A	\bar{A}	ϵ	$\bar{\epsilon}$
B	0	1	1	0
\bar{B}	1	1	1	1
	\bar{c}	C	\bar{c}	

	A	\bar{A}	
B	0	0	0
\bar{B}	0	0	0
	\bar{c}	C	\bar{c}

ad

	A	\bar{A}	ϵ	$\bar{\epsilon}$
B	1	0	0	1
\bar{B}	0	1	1	0
	\bar{c}	C	\bar{c}	

	A	\bar{A}	
B	1	1	1
\bar{B}	0	1	1
	\bar{c}	C	\bar{c}

du

	A	\bar{A}	ϵ	$\bar{\epsilon}$
B	1	0	0	1
\bar{B}	0	1	1	0
	\bar{c}	C	\bar{c}	

	A	\bar{A}	
B	0	0	0
\bar{B}	1	0	1
	\bar{c}	C	\bar{c}

cu

	A	\bar{A}	ϵ	$\bar{\epsilon}$
B	0	0	0	0
\bar{B}	1	0	0	1
	\bar{c}	C	\bar{c}	

	A	\bar{A}	
B	0	1	1
\bar{B}	0	1	1
	\bar{c}	C	\bar{c}

bu

	A	\bar{A}	ϵ	$\bar{\epsilon}$
B	0	1	1	0
\bar{B}	1	0	0	1
	\bar{c}	C	\bar{c}	

	A	\bar{A}	
B	1	1	1
\bar{B}	0	1	1
	\bar{c}	C	\bar{c}

$$dd = 0$$

$$cd = 0$$

$$bd = CE + DE$$

$$ad = BCD + \bar{C}\bar{D}E + CD\bar{E} + B\bar{D}\bar{E}$$

$$du = B\bar{C}\bar{D}E + \bar{B}CDE + \bar{B}\bar{C}D\bar{E}$$

$$cu = \bar{C}DE + \bar{B}\bar{C}E + BC\bar{E} + C\bar{D}\bar{E}$$

$$bu = BC\bar{D} + B\bar{C}DE + \bar{B}\bar{C}\bar{D}E + B\bar{D}\bar{E} + \bar{B}CDE$$

$$au = A$$