

Decoder 7442 : Common anode LED circuit

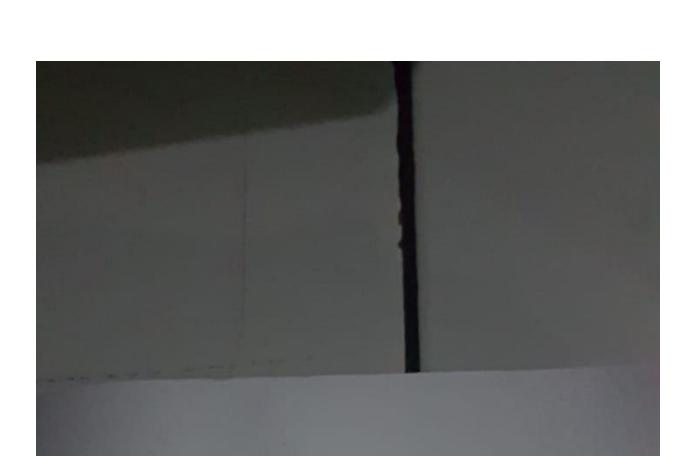
Common Cathode LED circuit

- Isi kolom kosong pada tabel kebenaran decoder 7442 dibawah ini :
 - a. Rangkaian common anode LFD

	_	put					7	Out	put				
SW4	SW3	SW2	SWI	0	1	2	3	4	5	6	7	8	9
0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	Ĭ	0	0	0	0	0	0	0	6
0	0	1	0	0	0	1	0	0	0	0	6	10	10
0	0	1	1	0	0	0	1	0	0	10	6	0	
0	1	0	0	0	0	0	0	1	10	1	10	0	10
0	1	0	1	0	0	0	0	0	1	0	0	R. Comin	6
0	1	1	0	0	10	10	10	0	10		0		10
0	1	1	1	0	0	10	10		0				0 6
1	0	0	0	0	10	10	-				10		6
1	0	0	1	0	10	-			THE RESE				01
1	0	1	0	0	0	10		06	010		20	10	
1	0	1	1	0	10	10	10		THE 20'	0 6	0	51	00
1	1	0	0	0	6	1	0	01	9 1	01		01	01
1	1	0	1	0	6			0	0	0	0	0	00
1	1	1	0	0) 6	, (0	0	0	0	0	0
1	1	1	1	(0 0	91	0	0	01	01	0	0	0

b. Rangkaian common cathode LED

Input					Output										
SW4	SW3	SW2	SW1	0	1	2	3	4	5	6	7	8	19		
0	0	0	0	0	1	1	1	1	11	11	1	1	4		
0	0	0	1	1	0	1	1	1		11	11,	+	1		
0	0	1	0	1	11	C	1	1	1	4	11	1	1		
0	0	1	1	11	11		10	11		4	4				



	1	0	0	1	7	1	1	0	1	1		111
	1	0	1	1	1	1	1	11	0	0	1	111
	1	1	0	1	1	11	11	1	1	10	6	1111
	1	1	1	1-1	1	11	11	11	1	+	1	TOTI
-	0	0	0		12	11	11	+	+	+	+	1110
-	0	0	1		1	11	+	111	1/2	+	+	11/1
_	0	1	0	1	1	1	1	11	+	1	1	111
-	10	1	1			1	1	1	+	1	1	111
	1	0	0		1	1	1	4	4	-	-	111
	1	10	1					1	4	-		17
1	1	10	0		1	1					1	111
1	11	1	1:	-	+	1	1	1	,	,	1	1/1/

ari datasheet dari IC 7442! cari schematic yang menunjukan gerbang logika per 7442!