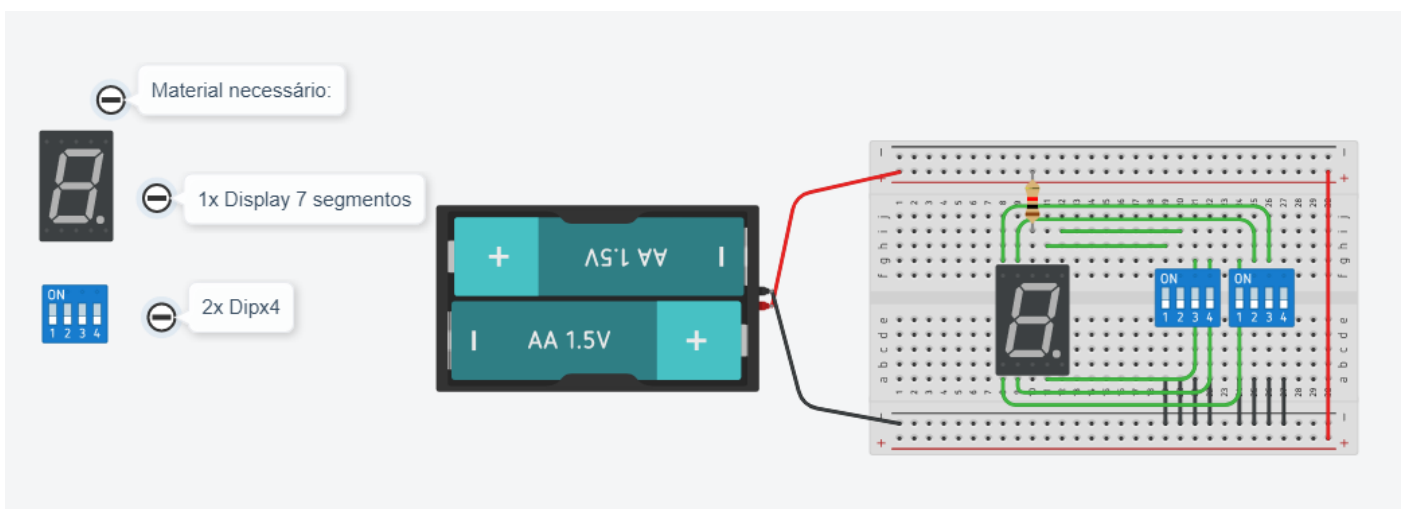


8. *DISPLAY* DE 7 SEGMENTOS

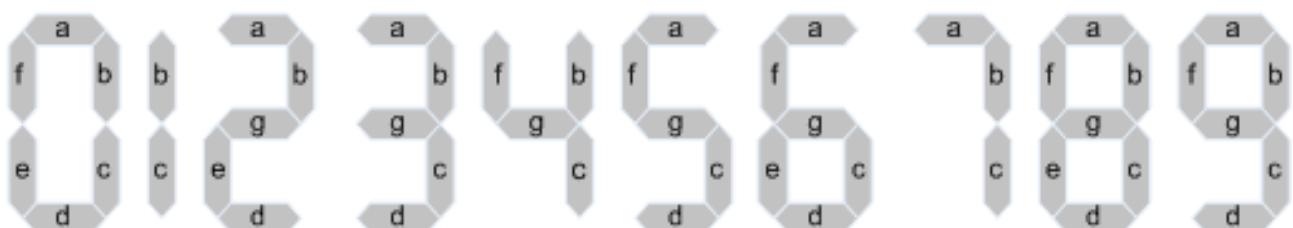
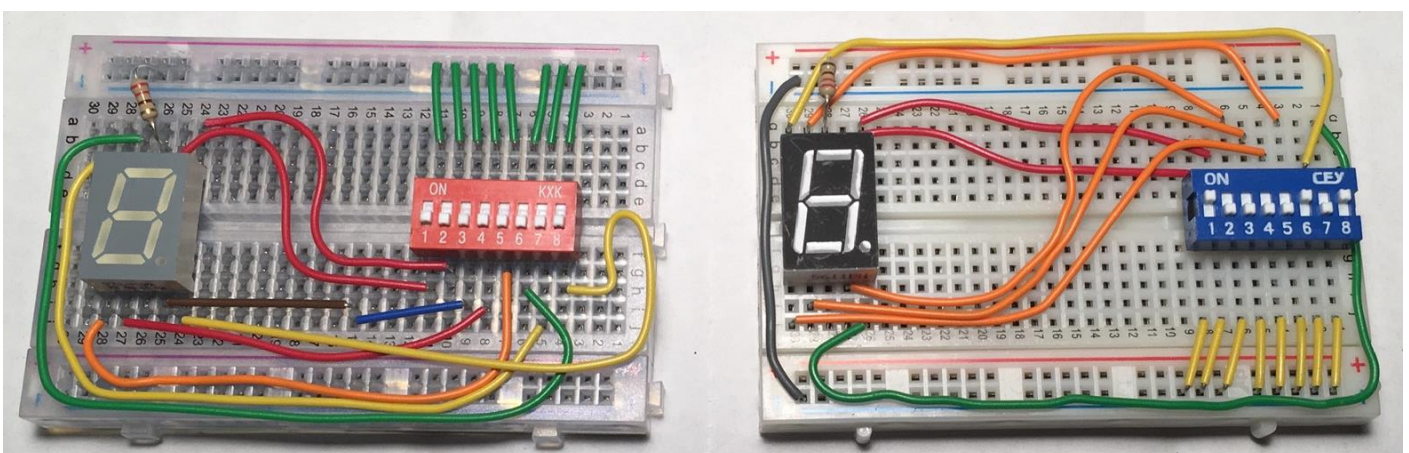
COM DIP SWITCH DE 8 VIAS

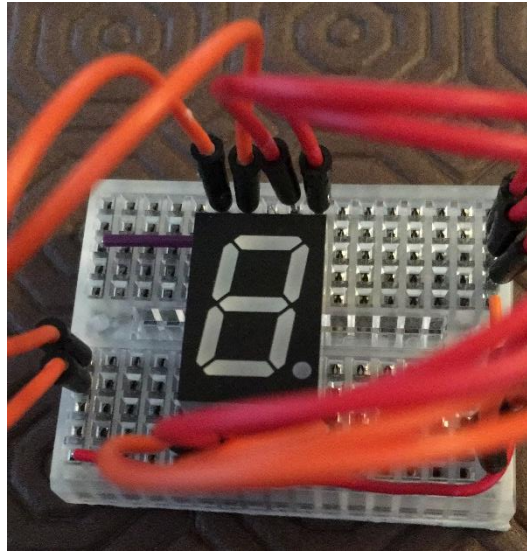
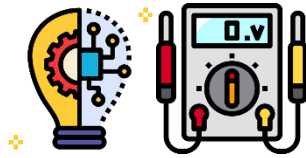
Para experimentarmos o funcionamento de um *display* de 7 segmentos, podemos utilizar um DIP *switch* de 8 entradas para controlar cada um dos segmentos e obter as várias combinações que desenham os algarismos.



Tinkercad: <https://www.tinkercad.com/things/ifuapIQWpZ-circuit-7-segments>

Há dois tipos de *displays*, os de cátodo comum (à esquerda) e os de ânodo comum (direita).





Decimal Digit	Input lines				Output lines							Display pattern
	A	B	C	D	a	b	c	d	e	f	g	
0	0	0	0	0	1	1	1	1	1	1	0	0
1	0	0	0	1	0	1	1	0	0	0	0	1
2	0	0	1	0	1	1	0	1	1	0	1	2
3	0	0	1	1	1	1	1	1	0	0	1	3
4	0	1	0	0	0	1	1	0	0	1	1	4
5	0	1	0	1	1	0	1	1	0	1	1	5
6	0	1	1	0	1	0	1	1	1	1	1	6
7	0	1	1	1	1	1	1	0	0	0	0	7
8	1	0	0	0	1	1	1	1	1	1	1	8
9	1	0	0	1	1	1	1	1	0	1	1	9

