

Ayudantía 5

Determine el punto de operación del transistor en las figuras 1, 2 y 3. Considere $V_{BE} = 0.7$ [V], $V_{CESAT} = 0.2$ [V] y $h_{fe} = 100$.

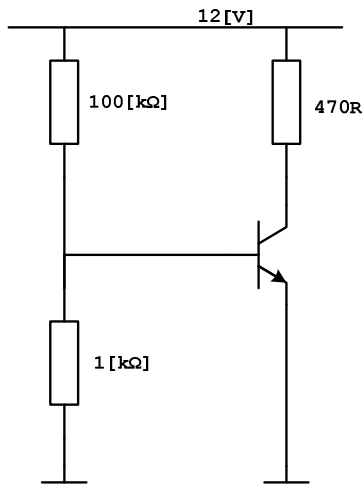


Figura 1

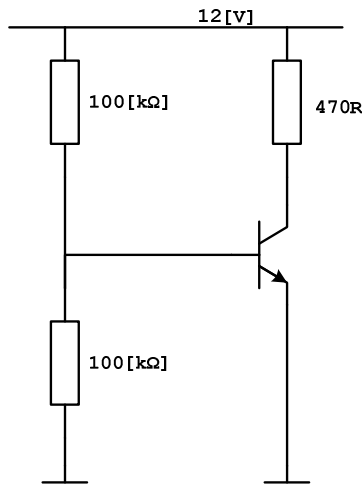


Figura 2

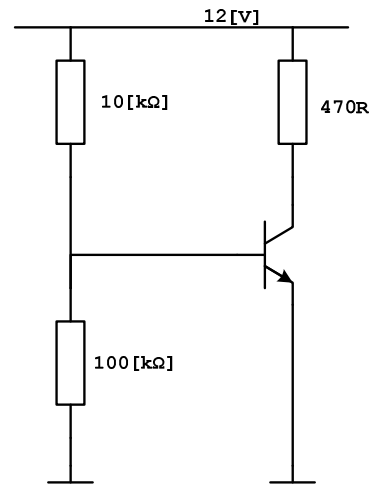


Figura 3

Solución:

	I_{BQ}	V_{CEQ}	I_{CQ}
Figura 1	0 [mA]	12 [V]	0 [mA]
Figura 2	106 [uA]	7.018 [V]	10.6 [mA]
Figura 3	1.021 [mA]	0.2 [V]	25.106 [mA]