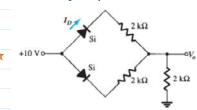
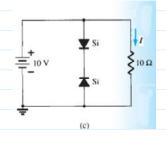


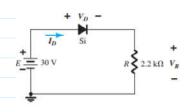
★ Ejemplo 3

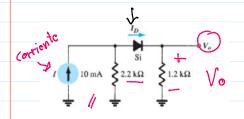


\star Ejemplo 2

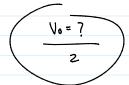


\star Ejemplo 4



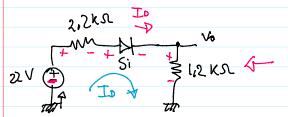


$$\frac{I_{b}=3}{1}$$





VD= O,7 V Silicio.



$$V = I:R$$

$$V = 100 \text{ mA} \cdot 2.2 \text{ ks}$$

$$V = 22 \text{ V}$$

Malla. In

$$-22 + V_{2,2k} + V_{p} + V_{1,2k} = 0$$

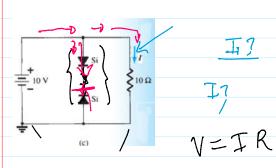
$$22 - V_{p} = V_{2,2k} + V_{1,2k} \quad V_{0}$$

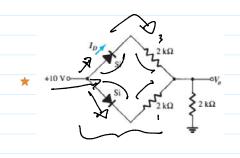
$$22 - 0_{1}7 = I_{p} \cdot 2.7k + I_{p} \cdot 1.2k$$

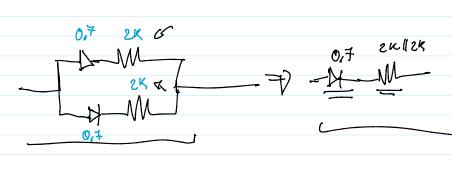
$$21_{1}3 = I_{p} (2.7k + 1.2k)$$

$$21_{1}3 = I_{p} = 6.26 \text{ mA}$$

$$(2.7k + 1.2k)$$







$$R/R = \frac{R}{2} \quad 2KR || 2KR = 1KR, 1$$

$$|0V| = |0V| = |0V|$$

$$-10 + 67 + Ip \cdot 1k + Ip \cdot 2k = 0$$

$$10 - 07 = Ip (1k + 2k)$$

$$-9.3V = Ip = 3.1mA$$

$$V_0 = 3_1 | \text{mA} \cdot 2 | \text{k}$$

$$V_0 = 6_1 2 | \text{V}$$

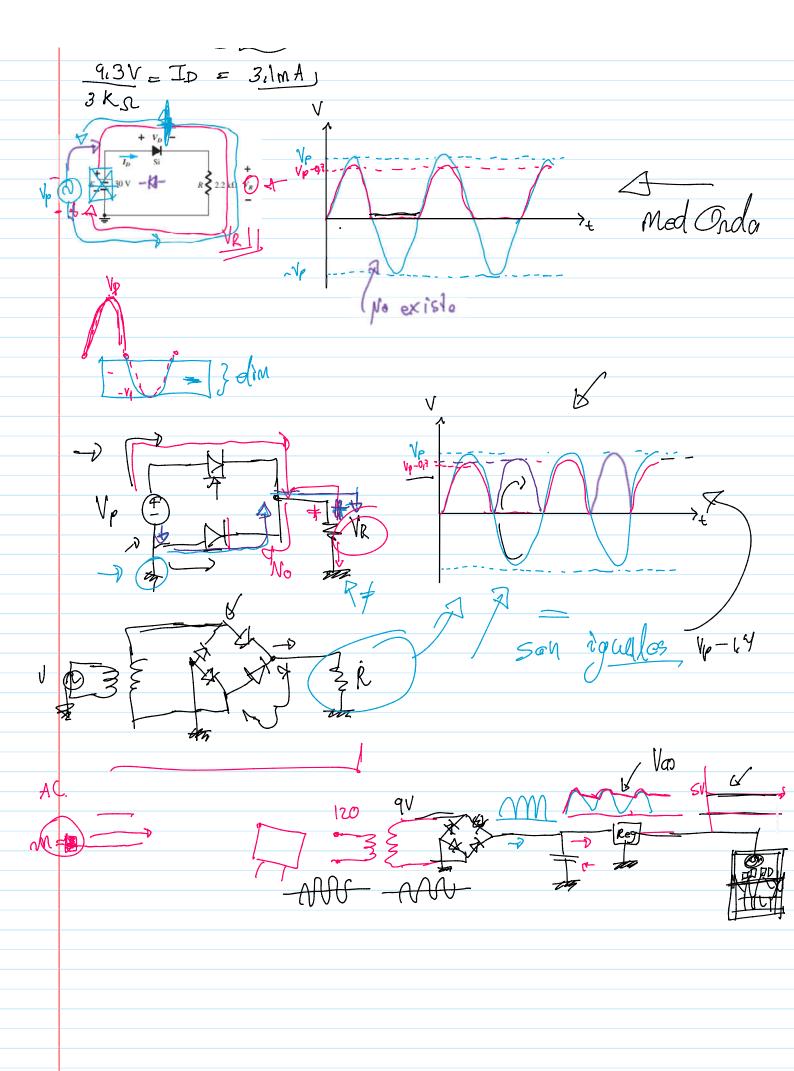
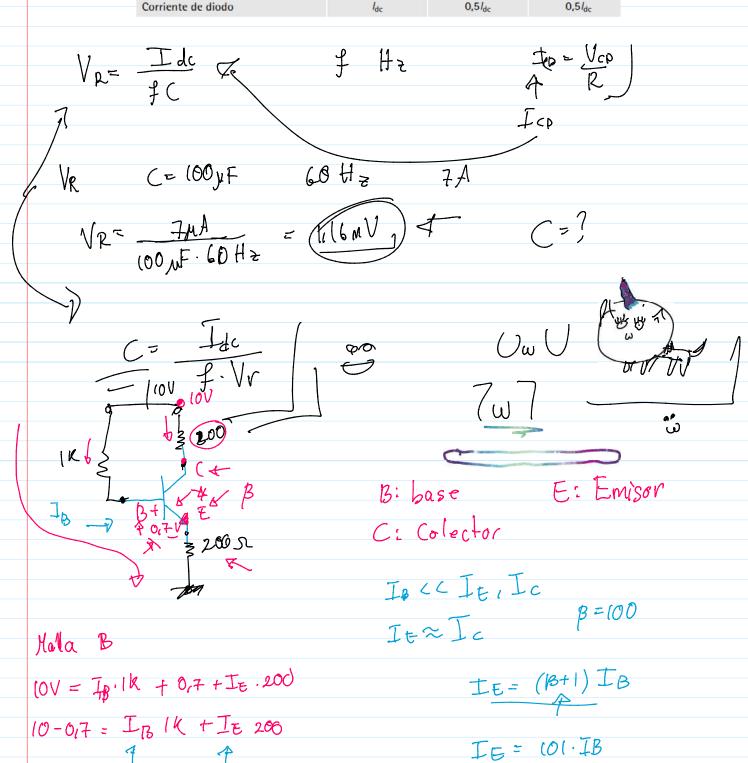


Tabla resumen 4.2 Rectificadores con filtro condensador a la entrada*			
	Media onda	Onda completa	En puente
Número de diodos	1	2	4
Entrada del rectificador	V _{p(2)}	$0.5V_{\rho(2)}$	V _{p(2)}
Salida de continua (ideal)	V _{p(2)}	0,5V _{p(2)}	$V_{\rho(2)}$
Salida de continua (2ª aproximación)	$V_{p(2)} = 0.7 \text{ V}$	$0.5V_{p(2)} - 0.7 \text{ V}$	$V_{\rho(2)} = 1.4 \text{ V}$
Frecuencia de rizado	f _{in}	2 f _{in}	2 f _{in}
PIV	2 V _{p(2)}	$V_{\rho(2)}$	$V_{\rho(2)}$
Corriente de diodo	1.	0.5/-	0.5/.



$$10-0.7 = LB 1K + LE 200$$

 $9.3 = LB - 1K + 101 \cdot LB \cdot 200$
 $9.3 = LB (1K + 101 \cdot 200)$
 $9.3 = LB = 4301 (8 \mu A)$
 $21.2K$

$$Vc = ?$$
 $Vc = 10 - VRC$
 $Vc = 10 - Ic - RC$
 $Vc = 10 - 43.86 mA. 200$
 $Vc = 1.228 V$