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5 Info.

$$R_2 = A = 4380 \Omega$$

$$R_4 = B = 2938 \Omega$$

$$R_6 = C = 40980 \Omega$$

$$R_8 = D = 4711620 \Omega$$

$$R_{11} = E = 28350 \Omega$$

$$V_A = \frac{R_2}{R_1 + R_2} V_{CC}$$

$$= \frac{4.38 k\Omega}{182 + 4.38} \times 15 V$$

$$V_A = 0.76 V$$

$$V_B = \frac{R_4}{R_3 + R_4} V_{CC}$$

$$= \frac{2.938 k\Omega}{156 + 2.938 k\Omega} \times 15$$

$$V_B = 0.74 V$$

Como V_A esta conectado al no inverting...

$$V_C = \left(1 + \frac{R_6}{R_5}\right) \times V_A$$

$$= \left(1 + \frac{40.98 k\Omega}{27 k\Omega}\right) \times 0.76$$

$$V_C = 1.913 V$$

Ahora, V_C y V_B estan conectados a la terminal inv.

$$V_D = -\frac{R_{11}}{R_9} \times V_C - \frac{R_{11}}{R_D} V_D$$

$$= -\frac{28.35 k\Omega}{12 k\Omega} \times 1.913 - \frac{28.35 k\Omega}{15 k\Omega} \times (-8.94)$$

$$= -4.519 + 16.8966$$

$$V_D = 12.3776 V$$