Figure 1: Circuito B

1 Circuito no inversor

$$H(s) = \frac{R_4 \omega_p a_0 (R_1 + R_2)}{(R_3 - R_4)(R_1 \omega_p a_0 + (R_1 + R_2)(\omega_p + s))}$$

$$H(s) = \frac{414 \, 10^9}{110 \, 10^3 s + 47 \, 10^9} \quad Caso\,1$$

$$H(s) = \frac{75 \, 10^9}{20 \, 10^3 s + 47 \, 10^9} \quad Caso\,2$$

$$H(s) = \frac{414 \, 10^9}{110 \, 10^3 s + 471 \, 10^9} \quad Caso\,3$$