$$T(s) = \frac{s - \frac{R_2}{R_1 R_3 C_1}\omega_0}{s + \frac{1}{R_3 C_1}\omega_0} \longrightarrow$$

$$\Sigma_w = W_0 = \frac{1}{R_3 C_1}$$

$$\$ = s \cdot \Sigma_w = s \cdot \omega_0$$

$$T(\$) = \frac{\$ \cancel{W_0} - \frac{R_2}{R_1}\cancel{W_0}}{\$\cancel{W_0} + \cancel{W_0}} = \boxed{\frac{\$ - \frac{R_2}{R_1}}{\$ + 1} = T(\$)}$$