$$T(s) = \frac{Y(s)}{X(s)} = \frac{G_1(G_3 + G_2G_4)/(1 + G_1H_1)}{1 + H_2G_1(G_3 + G_2G_4)/(1 + G_1H_1)} = \frac{G_1(G_3 + G_2G_4)}{1 + G_1H_1 + H_2G_1(G_3 + G_2G_4)}$$