$$g = f_1 + k_1^* f_2 - 0$$
 $g_2 = f_2 + k_1^* f_1 - 0$ 

rier transform.

$$G_1 = F_1 + H_2 \circ F_2 - M$$

$$G_2 = F_2 + H_1 \circ F_1 - M$$

$$\Rightarrow F_2 = \left(\frac{G_{12} - H_1 G_{11}}{1 - H_1 H_2}\right) - 0$$

$$F_1 = G_1 - \frac{H_2(G_{12} - H_1G_{11})}{(1 - H_1H_2)} - 0$$

Taking IFT of 
$$\bigcirc + \bigcirc \bigcirc$$

$$f_2 = F^{-1}(F_2) = F^{-1}(\frac{G_2 - H_1G_1}{1 - H_1H_2}) - \bigcirc$$

$$f_3 = F^{-1}(F_2) = F^{-1}(\frac{G_2 - H_1G_1}{1 - H_1H_2}) - \bigcirc$$

Correctes the colors