$C + I^c = y^c = PF^c$

LOM

Unknowns are h_1 and h_1/h_2

(1) $\frac{1}{h_1}\frac{w}{\chi} + (k_{1c} + k_{2c}\frac{h_2}{h_1})[g] = \Gamma_c k_c^a k_I^b$

LOM $= I^F = y^F = PF^I$

(2) $(k_{1I}\frac{h_1}{h_2} + k_{2I})[g^i] = \Gamma_I k_c^a k_I^b$

$k_{1I}\frac{h_1}{h_2}[g^i] = \Gamma_I k_c^a k_I^b - k_{2I}[g^i]$

$\frac{h_1}{h_2} = \left[\Gamma_I k_c^a k_I^b - k_{2I}[g^i]\right]\frac{1}{k_{1I}[g^i]}$

$\frac{1}{h_1}\frac{w}{\chi} = \Gamma_c k_c^a k_I^b - (k_{1c} + k_{2c}\frac{h_2}{h_1})[g]$

$h_1 = \frac{w}{\chi}\left[\Gamma_c k_c^a k_I^b - (k_{1c} + k_{2c}\frac{h_2}{h_1})[g]\right]^{-1}$