

Equations

$$\begin{aligned}
B_{1,t} &= (1 + \bar{c}_{1,t})A_{1,t} + \bar{c}_{2,t}A_{2,t} & (1) \\
B_{2,t} &= \omega B_{1,t} = (1 + \bar{c}_{2,t})A_{2,t} & (2) \\
A_t &= A_{1,t} + A_{2,t} & (3) \\
V_t &= Q_t B_{1,t} = [D_{1,t}(1 - M_t) + D_{2,t}M_t] A_t & (4) \\
D_{1,t} &= Q_{1,t}(1 + \bar{c}_{1,t}) & (5) \\
D_{2,t} &= Q_{1,t}\bar{c}_{2,t} + Q_{2,t}(1 + \bar{c}_{2,t}) & (6) \\
M_t &= (A_{2,t}/A_t) = \omega(1 + \bar{c}_{1,t}) / [(1 + \bar{c}_{2,t}) + \omega(1 + \bar{c}_{1,t}) - \omega\bar{c}_{2,t}] & (7) \\
(1 + \bar{c}_{1,t})A_{1,t} &= (1 + \bar{c}_{2,t-1})A_{2,t-1} + (1 + c_{1,t})\Delta A_{1,t} & (8) \\
\bar{c}_{2,t} &= c_{2,t} & (9) \\
B_{1,t} &= B_{2,t-1} + (1 + c_{1,t})\Delta A_{1,t} + c_{2,t}A_{2,t} & (10) \\
& & (11)
\end{aligned}$$

Independent block:

$$\begin{aligned}
V_t + S_t &= V_{t-1}(1 + r_t^n) & (12) \\
(S_t - S) &= \rho_s(S_{t-1} - S) + \alpha(V_{t-1} - V) + \epsilon_{s,t} & (13) \\
(i_t - i) &= \rho_i(i_{t-1} - i) + \epsilon_{i,t} & (14) \\
Q_t &= Q_{1,t} + \omega Q_{2,t} & (15) \\
Q_{1,t} &= (1 + i_t)^{-1} & (16) \\
Q_{2,t} &= Q_{1,t}(1 + i_{t+1})^{-1} & (17) \\
1 + r_t^n &= (1 + \omega Q_{1,t}) / Q_{t-1} & (18)
\end{aligned}$$