

W, λ, & ω

$$Y = Z \cdot \left[1 - \frac{U_1 \cdot U_2 \cdot \dots \cdot U_N}{(U_1 + E_1) \cdot (U_2 + E_2) \cdot \dots \cdot (U_N + E_N)} \right]$$

$$Y = Z - \lambda \quad \longrightarrow \quad \lambda = Z \prod_{J=1}^N \left(\frac{U}{U + E} \right)$$

$$\lambda_{IK} = Z_{IK} \prod_{J=1}^N \left(1 - \frac{E_{IJK}}{U_{IJK} + E_{IJK}} \right)$$

$$1 - \frac{E}{U + E} = \frac{U + E - E}{U + E} = \frac{U}{U + E}$$

ω	W >	0	1	2	F	L
0	0		-0.1452	-0.1642		-2.5410
-0.0132	1	-0.1319	0.0711	0.0307		0.0302
-0.0161	2	-0.1481	0.0519	0.0579		0.0383
0.2412	L	-2.7823	0.2561	0.5484		1.9776

$$\lambda_{IK} = Z_{IK} \prod_{J=1}^N (1 - W_{IJK})$$

$$W_{IJK} = \frac{E_{IJK}}{U_{IJK} + E_{IJK}}$$

$$Y_{IK} = Z_{IK} - \lambda_{IK}$$

$$\lambda_{IK} = Z_{IK} - Y_{IK}$$

$$\zeta_{IK} = \pi_{IK} \lambda_{IK}$$

$$W_{0IK} = \frac{-Y_{IK}}{Z_{IK} - Y_{IK}} \quad W_{0LK} = \frac{\tau_{LK}}{Z_{LK} - Y_{LK}}$$

$\omega_{IK} = W_{0IK} - W_{10K}$

ω	$W >$	0	1	2	F	L
0	0		-0.1452	-0.1642		-2.5410
1	1	-0.1319	0.0711	0.0307		0.0302
2	2	-0.1481	0.0519	0.0579		0.0383
F	F					
L	L	-2.7823	0.2561	0.5484		1.9776

$W_{10K} = -\sum_{J=1}^N W_{1JK} = -\sum_{J=1}^N \left(\frac{E_{1JK}}{U_{1JK} + E_{1JK}} \right)$

$\Theta_{IK} = \frac{E_{10K}}{W_{10K}} = \frac{E_{10K}}{\sum_{J=1}^N \left(\frac{E_{1JK}}{U_{1JK} + E_{1JK}} \right)}$

$\theta_{IK} = P_{0K} \Theta_{IK}$

$$\omega_{IK} = \frac{-Y_{IK}}{Z_{IK} - Y_{IK}} + \sum_{J=1}^N \left(\frac{E_{1JK}}{U_{1JK} + E_{1JK}} \right)$$

$$\beta_{IK} = \frac{\varepsilon_{IK}}{\left[\frac{-Y_{IK}}{Z_{IK} - Y_{IK}} + \sum_{J=1}^N \left(\frac{E_{1JK}}{U_{1JK} + E_{1JK}} \right) \right]} \quad \beta_{IK} = \varepsilon_{IK} / \omega_{IK}$$

$$\omega_{LK} = \frac{\tau_{LK}}{Z_{LK} - Y_{LK}} + \sum_{J=1}^N \left(\frac{E_{LJK}}{U_{LJK} + E_{LJK}} \right)$$

$$\beta_{LK} = \frac{\varepsilon_{LK}}{\left[\frac{\tau_{LK}}{Z_{LK} - Y_{LK}} + \sum_{J=1}^N \left(\frac{E_{LJK}}{U_{LJK} + E_{LJK}} \right) \right]}$$