经济作业

1. (1). $E = C + I + G$

$= 100 + 0.8yd + 50 + 200$

$= 0.8yd + 350$.

$yd = y - t + tr$

$= y - 250 + 62.5 = y - 187.5$

$E = 0.8(y - 187.5) + 350$

$= 0.8y - 150 + 350 = 0.8y + 200$.

$y = E$.

$y = 0.8y + 200$ $\quad y = 1000$

(2). $\beta = 0.8$.

$k_i = k_g = \frac{1}{1-\beta} = 5$.

$k_t = \frac{-\beta}{1-\beta} = 5 \times (-0.8) = -4$

$k_{tr} = \frac{\beta}{1-\beta} = 4$.

$k_b = k_g + k_t = 1$ 恒1

2. (1). $\Delta g = \Delta y \cdot kg = 200 \times 5 = 1000$

(2) $\Delta t = \Delta y \cdot kt = 200 \times (-4) = -800$.

(3) $\Delta y \cdot kg + \Delta y \cdot kt = 5\Delta y - 4\Delta y = \Delta y = 200 = 1200 - 100$

$\Delta y = 200$.

3. ~~$C = 1600 + 0.75 y_d$.~~

~~$y = C + i =$~~.

$C = 1600 + 0.75 y_d$.

$E = C + i = 1600 + 0.75 y_d + i$.

$y_d = y$.

$y = 1600 + 0.75 y + i$.

$0.25 y = 1600 + i$.

$y_1 = 6400 + 4i$

$y_2 = 6400 + 4(i + 200) = y_1 + 800$.

$\Delta y = 800$.

4.

4. (1) $E = C + i + g$

$= 1000 + 0.75 y_d + 800 + 750$

$= 0.75 y_d + 2550.$

$y_d = y - t + t_r = y - 600$

$E = 0.75(y - 600) + 2550$

$= 0.75y - 450 + 2550 = 0.75y + 2100.$

$y = E. \quad y = 0.75y + 2100.$

$y = 8400.$

$y_d = y - 600 = 7800.$

(2) $C = 1000 + 0.75 \times 7800 = 6850.$

(3) $S_P = y_d - C = 7800 - 6850 = 950$

$S_G = t - g = 600 - 750 = -150$

(4) $k_i = \frac{\Delta i}{\Delta y} = \frac{1}{1-\beta} = \frac{1}{1-0.75} = \frac{1}{0.25} = 4.$

$\beta = 0.75$

5. ~~$E=E$~~

~~$E_2 = C+i+g$~~ MPC = 0.8.

$= E_1 + 300.$

$\beta = 1 - 0.2 = 0.8$

$kg = \frac{1}{1-\beta} = \frac{1}{1-0.8} = 5$

$ktr = \frac{\beta}{1-\beta} = 4$

$kt = \frac{-\beta}{1-\beta} = -4.$

$\Delta y = 600 \times 5 - 300 \times 5 - 300 \times 4 + 300 \times 4$

$= 1500.$

附加题

1. (1). $T = t + tr + tx = 30 + 0.2y_d + 60 + 50 + 50 - 0.05y$

$= 0.8(y - tn) + 190 - 0.05y$

$= 0.8y - 40 + 190 = 0.8y + 100.$

$= 0.75y + 150 = y$

$y = 600.$

(2). $NX = 50 - 0.05 \times 600 = 50 - 300 = -250$

$= 20.$

及~~$k_i = \frac{1}{1-\beta} = \frac{1}{1-0.8} = 5$~~.

(4). $0.75y + 160 = y$

$y = 640$

$nx = 50 - 0.05 \times 640 = 18$.

(5) $E = 0.75y + 140 = y$.

$y = 560$

$nx = 50 - 0.05 \times 560$

$= 50 - 28 = 22$.

(3)

$k_i = \frac{\Delta y}{\Delta A} = \frac{1}{1-0.8+0.05} = 4$