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1. 1) $y = \dfrac{2 + i + g + \beta tr - \beta t}{1 - \beta} = \dfrac{100 + 50 + 200 + 0.8 \times (625 - 250)}{1 - 0.8}$

$= 1000$

2) $k_i = \dfrac{\Delta y}{\Delta i} = \dfrac{dy}{di} = \dfrac{1}{1-\beta} = 5$.

$k_g = \dfrac{dy}{dg} = \dfrac{1}{1-\beta} = 5$.

$k_t = \dfrac{dy}{dt} = -\dfrac{\beta}{1-\beta} = -\dfrac{0.8}{0.2} = -4$

$k_{tr} = \dfrac{\beta}{1-\beta} = 4$

$k_b = \dfrac{dy}{dg}$   $k_g + k_t = 1$

2. 1) $1200 = \dfrac{100 + 50 + g' + 0.8 \times (625 - 250)}{1 - 0.8}$

$\Rightarrow g' = 240$   $\Delta g = g' - g = 40$.

$\Delta g = \dfrac{\Delta y}{k_g} = \dfrac{1200 - 1000}{5} = 40$.

2) $\Delta t = \dfrac{\Delta y}{k_t} = \dfrac{200}{-4} = -50$.

3) $\dfrac{\Delta y}{k_b} = 200$.

3. $k_i = \dfrac{1}{1-\beta} = \dfrac{1}{0.25} = 4$.

$\Delta y = \Delta i \cdot k_i = (600 - 400) \times 4 = 800$.

**4.** $c = 1000 + 0.75y_d$  $\bar{i} = 800$  $g = 750$  $t = 600$ ← 净税收

1) $$y = \frac{\bar{i} + g + \alpha - \beta t}{1 - \beta} = \frac{800 + 750 + 1000 - 0.75 \times 600}{1 - 0.75} = 8400$$

$$y_d = y - t = 8400 - 600 = 7800$$

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

3) $S_{私人} = y_d - c = 7800 - 6850 = 950.$

④. $S_{政府} = t - g = 600 - 750 = -150.$

4). $k_{\bar{i}} = \frac{dy}{d\bar{i}} = \frac{1}{1-\beta} = 4.$

**5、** $c = \underline{600}.$  $\Delta g \cdot \Delta tr \cdot \Delta t = -30.$  $MPS = 0.2.$

$\quad\quad\quad = \alpha + 0.8 y_d.$

$\Rightarrow \beta = MPC = 1 - 0.2 = 0.8.$

$\Delta y = k_g \cdot \Delta g + k_{tr} \cdot \Delta tr + k_t \cdot \Delta t$

$$= \frac{1}{1-\beta} \Delta g + \frac{\beta}{1-\beta} \cdot \Delta tr + \frac{-\beta}{1-\beta} \cdot \Delta t.$$

$$= \frac{-30}{0.2} + \frac{0.8}{0.2} \times (-30) + \frac{0.8}{0.2} \times 30$$

$$= -150 + -120 + 120 = -150.$$

$$\Delta y = \frac{\alpha + \Delta \bar{i} + \Delta g + \beta \Delta tr - \beta \Delta t}{1 - \beta} = \frac{}{0.2}.$$

$\Delta y = k_c = \frac{dy}{dc} =$

MPS $=0.2$ $\therefore$ MPC $= 1- 0.2 = 0.8$.

5. $\Delta y = \Delta C \cdot k_c + \Delta g \cdot k_g + \Delta tr \cdot k_{tr} + \Delta t \cdot k_t$

$= 600 \times \frac{1}{0.8} \frac{1}{0.2} + (-30) \times \frac{1}{0.2} + (-30) \times \frac{0.8}{0.2} + (-30) \times \frac{-0.8}{0.2}$

$= 3000 - 150 - 120 + 120 = 2850$

6. $C = 30 + 0.8\, y_d$, $t_n = 50$. $i = 60$. $g = 50$. $nx = 50 - 0.05 y$.

1). $y = \dfrac{i + g + z - \beta t}{1 - \beta} = \dfrac{60 + 50 + 30 - 0.8 \times 50}{1 - 0.8}$.

$C + i + g + nx = C + S + t_n + kr.$

$y = C + i + g + nx = 30 + 0.8(y - t_n) + 60 + 50 + 50 - 0.05 y.$

$= 30 + 0.8y - 40 + 60 + 50 + 50 - 0.05y = 0.75y + 150$

$\Rightarrow y = 600.$

2). $nx = 50 - 0.05y = 20.$

3) $y = C + i + g + nx = z + \beta(y - t_n) + i + g + nx$

$k_i = \dfrac{dy}{di} = \dfrac{1}{1 - \beta + m} = \dfrac{1}{1 - 0.8 + (+0.05)} = 4.$

4). $\Delta y = k_i \cdot \Delta i = 10 \times 4 = 40.$

$y' = y + \Delta y = 640$

5). $k_{nx} = \dfrac{dy}{dnx} = \dfrac{1}{1 - \beta + m} = 4.$

$\Delta y' = k_{nx} \cdot \Delta nx = (-10) \times 4 = -40.$

$y'' = 600 - 40 = 560.$

$nx = 40 - 0.05 \times 560 = 12.$

Campus