



Mo Tu We Th Fr Sa Su

Memo No. \_\_\_\_\_

Date / /

1. 解: ①  $y = \frac{\alpha + i + g - \beta(t - tr)}{1 - \beta}$

$L = \alpha + \beta(y - t)$

$\alpha = 100, \beta = 0.8 \quad \therefore y = \frac{100 + 50 + 200 - 0.8 \times (250 - 62.5)}{1 - 0.8} = 1000 \text{ (10亿美元)}$

② 投资乘数  $k_i = \frac{1}{1 - \beta} = 5$

政府购买乘数:  $k_g = \frac{1}{1 - \beta} = 5$  税收乘数:  $k_t = \frac{-\beta}{1 - \beta} = -4$

政府转移支付乘数:  $k_{tr} = \frac{\beta}{1 - \beta} = 4$

平衡预算乘数:  $\frac{1 - \beta}{1 - \beta} = 1$

2. 解: ①  $\Delta y = 1200 - 1000 = 200 \text{ (10亿美元)}$

$\therefore \frac{\Delta y}{k_g} = 40 \text{ (10亿美元)}$

②  $-\frac{\Delta y}{k_t} = 50 \text{ (10亿美元)}$

③  $\frac{\Delta y}{2} = 100 \text{ (10亿美元)} \quad \frac{\Delta y}{2} \times \frac{1}{5} = 20 \text{ (10亿美元)}$

$\frac{\Delta y}{2} \times \frac{1}{4} = 25 \text{ (10亿美元)}$

$\therefore$  各需 20 (10亿美元) 和 25 (10亿美元)

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解:  $y = \frac{\alpha + i}{1 - \beta} \quad L = y - S = y + 1600 - 0.25y = 1600 + 0.75y$

$\therefore \alpha = 1600, \beta = 0.75 \quad \therefore y_1 = \frac{1600 + 400}{1 - 0.75} = 8000$

$y_2 = \frac{1600 + 600}{1 - 0.75} = 8800 \quad \therefore \Delta y = y_2 - y_1 = 800$

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解:  $y = \frac{\alpha + i + g - \beta t}{1 - \beta}, \alpha = 1000, \beta = 0.75$



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$$\therefore y = \frac{1000 + 800 + 750 - 0.75 \times 600}{1 - 0.75} = \frac{2100}{0.25} = 8400$$

$$y_d = y - t = 7800$$

$$\textcircled{2} \quad C = 1000 + 0.75y_d = 6850$$

$$\textcircled{3} \quad C + i + g = C + S + t \quad \therefore i + g = S + t$$

$$\therefore \text{政府储蓄} = t = 600$$

$$\text{私人储蓄} = S = i + g - t = 800 + 750 - 600 = 950$$

$$\textcircled{4} \quad k_i = \frac{1}{1-\beta} = 4$$

$$\text{解: } 1-\beta=0.2 \quad y = \frac{\alpha + i + g - \beta(t_o - t_r)}{1-\beta} \quad \therefore C = \alpha + \beta y$$

$$k_\alpha = \frac{1}{1-\beta} = 5 \quad k_g = \frac{1}{1-\beta} = 5 \quad k_{tr} = \frac{\beta}{1-\beta} = 4$$

$$k_{t_o} = \frac{-\beta}{1-\beta} = -4$$

$$\text{则 } 5 \times 600 - 5 \times 300 - 4 \times 300 + 4 \times 300 = 1500$$

$\therefore$  均衡国民收入 ~~减少~~ 增加 1500

$$1. \text{ 解: } \textcircled{1} C = 30 + 0.8(y - t) \quad y = C + i + g + nx = C + S + t$$

$$\therefore i + g + nx = S + t \quad \therefore S = y - C - t = y - 30 - 0.8y + 0.8t - t$$

$$= 0.2y - 0.2t - 30$$

$$\therefore i + g + 50 - 0.05y = 0.2y + 0.8t - 30$$

$$\therefore 0.25y = i + g + 80 - 0.8t$$

$$y = \frac{i + g + 80 - 0.8t}{0.25}$$





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$$\therefore y = 600$$

$$\textcircled{2} \quad nx = 50 - 0.05 \times 600 = 20$$

$$\textcircled{3} \quad ki = \frac{1}{0.25} = 4$$

$$\textcircled{4} \quad i=70 \text{ 时}, y_1 = 640 \quad \therefore \text{删} \quad nx_1 = 50 - 0.05 \times 640 = 18$$

$$\textcircled{5} \quad y_2 = \frac{i+g+70-0.8t}{0.25} \quad \therefore y_2 = 560$$

$$nx_2 = 40 - 0.05 \times 560 = 12$$

