



$$1. (1). \quad y = c + i + g$$

$$y_d = y - (t - t_r)$$

$$\therefore y = 100 + 0.8(y - 250 + 62.5) + 50 + 200$$

$$\therefore \text{均衡收入 } y = 1000 \text{ (10亿美元)}$$

$$(2). \quad \beta = 0.8$$

$$k_i = \frac{\Delta y}{\Delta i} = \frac{1}{1 - \beta} = 5$$

$$k_g = \frac{\Delta y}{\Delta g} = \frac{1}{1 - \beta} = 5$$

$$k_t = \frac{\Delta y}{\Delta t} = -\frac{\beta}{1 - \beta} = -4$$

$$k_{tr} = \frac{\Delta y}{\Delta t_r} = \frac{\beta}{1 - \beta} = 4$$

$$k_b = 1$$

$$2. \quad \Delta y = 200$$

$$(1). \quad \Delta g = \frac{\Delta y}{k_g} = \frac{200}{5} = 40 \text{ (10亿美元)}$$

$$(2). \quad \Delta t = \frac{\Delta y}{k_t} = \frac{200}{-4} = -50 \text{ (10亿美元)}$$

$$(3). \quad \begin{cases} k_g \Delta g + k_t \Delta t = \Delta y \\ \Delta g = \Delta t \end{cases}$$

$$\therefore \Delta g = \Delta t = 200$$

$$\text{各需 } 200 \text{ (单位: 10亿美元)}$$

$$3. \quad \therefore i = 5$$

$$\therefore \text{当 } i = 400 \text{ 时, } -1600 + 0.25 y_d = 400 \quad y_d = 8000$$

$$\text{当 } i = 600 \text{ 时, } -1600 + 0.25 y_d = 600 \quad y_d = 8800$$

$$\therefore \Delta y = 800$$

$$\therefore \text{均衡国民收入增加 } 800$$

$$4. (1). \quad y = c + i + g$$

$$y_d = y - t$$

$$\therefore y = 1000 + 0.75(y - 600) + 800 + 750$$

$$\therefore y = 8400$$

$$y_d = 8400 - 600 = 7800$$

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

$$(3). \quad \text{私人储蓄 } S_p = y_d - c = 7800 - 6850 = 950$$

$$\text{政府储蓄 } S_g = t - g = -150$$

$$(4). \quad k_i = \frac{1}{1 - 0.75} = 4$$

$$5. \quad k_i = \frac{1}{0.2} = 5$$

$$k_g = \frac{1}{0.2} = 5, \quad k_{tr} = \frac{0.8}{0.2} = 4, \quad k_t = \frac{-0.8}{0.2} = -4$$

$$\therefore \Delta y = 600 \times 5 - 300 \times 5 - 300 \times 4 + 300 \times 4 = 1500$$

附加题:

$$1. (1). \quad y = c + i + g + nx$$

$$y_d = y - t_n = y - 50$$

$$\therefore y = 0.8y - 10 + 60 + 50 + 50 - 0.05y$$

$$\therefore y = 600$$

$$(2). \quad nx = 50 - 0.05y = 50 - 0.05 \times 600 = 20$$

$$(3). \quad k_i = \frac{1}{1 - 0.8 + 0.05} = 4$$

$$(4). \quad \Delta y = k_i \cdot \Delta i = 40$$

$$\therefore y' = 600 + \Delta y = 640$$

$$nx' = 50 - 0.05y = 50 - 0.05 \times 640 = 50 - 32 = 18$$

$$(5). \quad y = c + i + g + nx = 0.8y - 10 + 60 + 50 + 40 - 0.05y$$

$$\therefore y = 560$$

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