

$$1. 11) y = C + i + g \Rightarrow y = 100 + 0.8(y + tr) + d + g$$

$$\Rightarrow y = 100 + 0.8(y - 250 + 625) + 50 + 100 \Rightarrow y = 1000 \text{ (1000 美元)}$$

$$12) b = 0.8$$

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

$$k_b = k_g + k_t = 1$$

$$2. 11) \text{ 初始投资: } \Delta y = 1200 - 1000 = 200 \text{ (100 美元)}$$

$$11) \Delta g = \frac{\Delta y}{k_g} = \frac{200}{5} = 40 \quad 12) \Delta T = \frac{\Delta y}{k_t} = \frac{200}{-4} = -50$$

$$13) \Delta g = \Delta T = \frac{\Delta y}{k_b} = 200$$

$$3. S = -1000 + 0.25 y_d \quad i_1 = 400 \quad i_2 = 600$$

$$\because S = i$$

$$\therefore S_1 = i_1 = 400 \quad S_2 = i_2 = 600$$

$$0.25 y_{d1} - 1000 = S_1 \Rightarrow y_{d1} = 8000 \quad 0.25 y_{d2} - 1000 = 600 \Rightarrow y_{d2} = 8800$$

$$\Delta y_d = y_{d2} - y_{d1} = 800$$

$$4. 11) y = C + i + g = 1000 + 0.75(y - 600) + 800 + 750 \Rightarrow y = 8400$$

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

$$12) C = 1000 + 0.75 \times 7800 = 6850$$

$$13) S = y_d - C = 7800 - 6850 = 950$$

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

$$14) y = \frac{\alpha - \beta t + i + g}{1 - \beta} \Rightarrow k_i = \frac{1}{1 - \beta} = \frac{1}{1 - 0.75} = 4$$

$$5. E = 600 \quad \beta = 1 - 0.2 = 0.8$$

$$y = c + i + g = a + \beta(y - t + tr) + i + g \Rightarrow y = \frac{a - \beta t + \beta tr + i + g}{1 - \beta}$$

$$k_g = \frac{1}{F_p} = 5 \quad k_{tr} = 4 \quad k_t = -4 \quad \Delta y = k_g \Delta g + k_{tr} \Delta tr + k_t \Delta t = -1500$$

\therefore 新的 PM 支出为 1500

第 11 题

$$11) y = c + i + g + nx = 30 + 0.8(y - 50) + i + g + nx$$

$$\Rightarrow y = 30 + 0.8(y - 50) + 60 + 50 + 50 - 0.05y \Rightarrow y = 600$$

$$12) nx = 50 - 0.05y = 50 - 0.05 \times 600 = 20$$

$$13) \beta = 0.8 \quad k_i = \frac{1}{F_p} = 5$$

$$14) \Delta y = k_i \Delta i = 5 \times 10 = 50 \quad y_2 = y + \Delta y = 650$$

$$nx = 50 - 0.05y_2 = 50 - 0.05 \times 650 = 17.5$$

$$15) y = 30 + 0.8(y - 50) + 60 + 50 + 40 - 0.05y \Rightarrow y = 560$$

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