

T₁ 解:

$$(1) y_0 = y + tr - t = y - 187.5$$

$$\therefore c = 0.8y - 50$$

$$\text{又} \because y = c + i + g$$

$$\Rightarrow y = 0.8y - 50 + 50 + 200$$

$$\therefore y = 1000 \text{ (10亿元)}$$

$$(2) k_i = \frac{1}{1-\beta} = 5 \quad ; \quad k_g = \frac{1}{1-\beta} = 5$$

$$k_t = \frac{-\beta}{1-\beta} = -4 \quad ; \quad k_{tr} = \frac{\beta}{1-\beta} = 4$$

$$k_b = k_g + k_t = 1$$

T₂ 解: $\Delta y = 200$

$$(1) \Delta g = \frac{\Delta y}{k_g} = 40 \quad (2) \Delta t = \frac{\Delta y}{|k_t|} = 50$$

$$(3) \Delta y = \beta[1200 - (t + \Delta t) + tr] + i + (g + \Delta g)$$

$$\text{且 } \Delta t = \Delta g$$

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

T₃ 解:

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

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

$$\therefore \Delta y = 800$$



T4 解:

$$(1) y = c + i + g = 1000 + 0.75y_d + 800 + 750$$

$$y_d = y - t = y - 600$$

$$\therefore y = 8400, y_d = 7800$$

$$(2) C = 1000 + 0.75y_d = 6850$$

$$(3) S_p = y_d - c = 950$$

$$S_g = t - g = -150$$

$$(4) k_i = \frac{1}{1-\beta} = 4$$

T5 解:

$$k_i = 5, k_g = 5, k_t = -4, k_{tr} = 4$$

$$\therefore \Delta y_i = 3000, \Delta y_g = -1500, \Delta y_t = 1200, \Delta y_{tr} = -1200$$

$$\therefore \Delta y = 1500$$

附加题

T. 解:

$$(1) y = c + i + g + NX = 30 + 0.8(y - 50) + 60 + 50 + 50 - 0.05y$$

$$\therefore \cancel{y - 600} \Rightarrow 0.25y = 150 \therefore y = 600$$

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

$$(3) k_i = \frac{1}{1-\beta} = 5$$

$$(4) i = 70 \text{ 时}, 0.25y = 160 \therefore y = 640, nx = 18$$

$$(5) nx = 40 - 0.05y \text{ 时}, 0.25y = 140 \therefore y = 560, nx = 12$$

