1. ⑴ $y_d = y - (t - t_r)$

   $y = C + i + g$

   $y = 0.8y - 0.8 \times (250 - 62.5) + 100 + 250$

   $0.2y = 200$

   $y = 1000$

   ⑵ $y = \alpha + \beta[y - (t - t_r)] + i + g$

   $(1 - \beta)y = \alpha + i + g - \beta t + \beta t_r$

   $$y = \frac{\alpha + i + g - \beta t + \beta t_r}{1 - \beta}$$

   $k_i = \frac{1}{1 - \beta} = 0.5$

   $k_g = 5$

   $k_t = -4$

   $k_{t_r} = 4$

   $k_6 = 1$.

2. ⑴ $\Delta g = k_g \Delta g$

   $200 = 5 \Delta g$

   $\Delta y = 40$

   ⑵ $-\Delta y = k_t \Delta t$

   $-200 = -4 \Delta t$

   $\Delta t = 50$

   ⑶ $\Delta y = \Delta t$

   $\Delta y = k_g \Delta y + k_t \Delta t$

   $200 = (k_g + k_t) \Delta y$

   $\Delta g = \Delta t = 200$.

3. $\Delta y = k_i \Delta i = \dfrac{1}{0.25} \times 200 = 800$

4.

(1) $y_d = y - \tau$

$y = c + i + g$

$y = 1000 + 0.75 [(y - 600) + 1550$

$0.25\, y = 2100$

$y = 8400$

$y_d = y - \tau = 7800$

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

(3) $t + s = i + g$

$600 + s = 1550$

$s = 950$

$s_g = t - g = -550$

(4) $k_i = \dfrac{1}{0.25} = 4$

$\Delta c = 600 + 600 \times (1 - 0.2) + \cdots$

$= 600 \cdot \left(\dfrac{(-0.8)^{\wedge}}{1 - 0.8} \right)$

$= 3000$

5. $\Delta g = 5 \times 300 = 1500$

$\Delta t_r = 4 \times 300 = 1200$

$\Delta \tau = -1200$

$\Delta y = \Delta c - \Delta g - \Delta t_r - \Delta t = 1500$

β得如鸟晕飞..

1. (1) $y_d = y - t_r$

$y = a + i + g + nx$

$y = 30 + 0.8(y - 50) + 110 + 50 - 0.05y$

$\therefore y = 600$

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

(3) $k_i = \dfrac{1}{1 - 0.8 + 0.05} = 4$

(4) $y' = y + \Delta y = y + k_i \Delta i$

$= 600 + 40 = 640$

$nx = 50 - 0.05 \times 640 = 18$

(5) $y = a + i + g + nx$

$y = 560$

$nx' = 60 - 0.05 \times 560 = 12$