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

$y_d = y + 62.5 - 250$

均衡：$y = 100 + 0.8(y - 250 + 62.5) + 50 + 200$

$\Rightarrow y = 1000$

(2) $\beta = 0.8$

$k_i = \frac{1}{1-0.8} = 5$

$k_g = \frac{1}{1-\beta} = 5$

$k_t = -\frac{\beta}{1-\beta} = -4$

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

$k_b = 1$

2. (1) $\Delta g = \frac{\Delta y}{k_g} = \frac{200}{5} = 40$

(2) $\Delta t = \frac{\Delta y}{|k_t|} = \frac{200}{4} = 50$

(3) $\Delta y_1 = k_g \cdot \Delta g$. $\Delta y_2 = k_t \cdot \Delta t$

$\Delta y_1 + \Delta y_2 = \Delta g = \Delta t = 200$

$\Delta g = \Delta t = 200$

~~3. $\beta = 0.75$~~

~~$\Delta y = \Delta i \cdot k_i = \Delta i \cdot \frac{1}{1-\beta} = 200 \times \frac{4}{3} = 800$~~

3. $\beta = 0.75 \Leftarrow 1-\beta = 0.25$

$\Delta y = \Delta i \cdot k_i = \Delta i \cdot \frac{1}{1-\beta} = 200 \times \frac{1}{0.25} = 800$

4. (1) $y_d = y - 600$

$y = c + i + g = 1000 + 0.75(y-600) + 800 + 750$

$\Rightarrow y = 8400, \quad y_d = 7800$

(2) $C = 1000 + 0.75 \times 7800 = 1000 + 5850 = 6850$

(3) $S = y - C = 950$

$T - G = 600 - 750 = -150$

(4) $\beta = 0.75$

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

5. $1-\beta=0.2 \Rightarrow \beta=0.8$

$\Delta y = \Delta\alpha \cdot \frac{1}{1-\beta} + K_g \cdot \Delta g + K_{tr} \cdot \Delta t_r - K_t \cdot \Delta t$

$= 600 \times 5 - 5 \times 300 - 4 \times 300 + 4 \times 300$

$= 1500$

均衡国民收入增加1500

附加1: (1) $y_d = y - t_n$

$y = c + i + g + nx$

所以 $y = 30 + 0.8(y-50) + 60 + 50 + 80 - 0.05y$

$0.2y = 120 \Rightarrow y = 600$

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

~~(3) $k_i = \frac{1}{1-0.8} = \frac{1}{0.2} = 5$~~

~~(4) $y' = y + \Delta y = 600 + 5 \times 10 = 650$~~

~~(3) $y = 30 + 0.8(y-50) + 60 + 80 + 50 - 0.05y$~~

(3) $y = 30 + 0.8(y-50) + i + 80 + 80 - 0.05y$

$y = 30 + 0.8y - 40 + i + 160 - 0.05y$

$0.25y = i + 150 \Rightarrow y = 4i + 600$

$k_i = \frac{dy}{di} = 4$

(4) $y' = k_i \cdot \Delta i + y = 600 + 40 = 640$

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

(5) $y = 30 + 0.8y - 40 + 60 + 90 - 0.05y$

$\Rightarrow y = 560$

$nx = 40 - 560 \times \frac{1}{20} = 12$