(2)
$$Mc = \{(8_1, 8_2, P_1, P_2) \mid H(8_1, 8_2, P_1, P_2) = C\}, C>0$$

 $\lambda(c) = \inf\{G(8_1, 8_2, P_1, P_2) \mid (8_1, 8_2, P_1, P_2) \in Mc\}$
 $\mu(c) = \sup\{G(8_1, 8_2, P_1, P_2) \mid (8_1, 8_2, P_1, P_2) \in Mc\}$
 $\chi_c = \{(8_1, 8_2, P_1, P_2) \in Mc \mid G(8_1, 8_2, P_1, P_2) = \lambda(c)\}$
 $\chi_c = \{(8_1, 8_2, P_1, P_2) \in Mc \mid G(8_1, 8_2, P_1, P_2) = \mu(c)\}$
 $\chi_c = \{(8_1, 8_2, P_1, P_2) \in Mc \mid G(8_1, 8_2, P_1, P_2) = \mu(c)\}$
 $\chi_c = \{(8_1, 8_2, P_1, P_2) \in Mc \mid G(8_1, 8_2, P_1, P_2) = \mu(c)\}$

[託明]
$$\frac{d}{dt}(\vartheta_1,\vartheta_2,P_1,P_2) = \left(\frac{d\vartheta_1}{dt},\frac{d\vartheta_2}{dt},\frac{dP_1}{dt},\frac{dP_2}{dt}\right)$$
$$= \left(\frac{\partial H}{\partial P_1},\frac{\partial H}{\partial P_2},-\frac{\partial H}{\partial \vartheta_1},-\frac{\partial H}{\partial \vartheta_2}\right)$$

$$\frac{d}{dt}(\mathcal{B}, P)$$

$$(\mathcal{B}, P) \qquad \chi_{c}$$

$$\frac{dH}{dt} = \frac{\partial H}{\partial \mathcal{B}_{1}} \frac{d\mathcal{B}_{1}}{dt} + \frac{\partial H}{\partial \mathcal{B}_{2}} \frac{d\mathcal{B}_{2}}{dt} + \frac{\partial H}{\partial P_{1}} \frac{dP_{1}}{dt} + \frac{\partial H}{\partial P_{2}} \frac{dP_{2}}{dt}$$

$$= 0 = 0$$

$$= \alpha \left(\frac{\partial G}{\partial \mathcal{B}_{1}} \frac{d\mathcal{B}_{1}}{dt} + \frac{\partial G}{\partial \mathcal{B}_{2}} \frac{d\mathcal{B}_{2}}{dt} + \frac{\partial G}{\partial P_{1}} \frac{dP_{1}}{dt} + \frac{\partial G}{\partial P_{2}} \frac{dP_{2}}{dt} \right)$$

$$\frac{\partial H}{\partial \mathcal{B}_{1}} = \alpha \frac{\partial G}{\partial \mathcal{B}_{2}} \qquad \frac{\partial H}{\partial P_{1}} = \alpha \frac{\partial G}{\partial P_{1}} \qquad \left(\frac{d\mathcal{B}}{dt}, \frac{dP}{dt} \right) \neq 0$$

$$\alpha (P_{2}, -P_{1}, -\mathcal{B}_{2}, \mathcal{B}_{1}) = (2\mathcal{B}_{1}\mathcal{B}_{1}^{\mathcal{B}_{1}^{2}+\mathcal{B}_{2}^{2}}, 2\mathcal{B}_{2}\mathcal{B}_{1}^{\mathcal{B}_{1}^{2}+\mathcal{B}_{2}^{2}}, P_{1}, P_{2})$$

 $G(8_1, 8_2, P_1, P_2) = \lambda(c)$ 5%