一般式

$$p_1(i) = \beta_1(c_i, t_i) + \sum_{f=1}^{n_{\omega 1}} L_{\omega 1}(c_i, f)\omega_1(s_i, f) + \sum_{f=1}^{n_{\varepsilon 1}} L_{\varepsilon 1}(c_i, f)\varepsilon_1(s_i, f, t_i) + \sum_{f=1}^{n_{\eta 1}} L_1(c_i, f)\eta_1(v_i, f) + \sum_{p=1}^{n_p} \gamma_1(c_i, t_i, p)X(x_i, t_i, p) + \sum_{k=1}^{n_k} \lambda_1(k)Q(i, k) \tag{1}$$

$$p_2(i) = \beta_2(c_i, t_i) + \sum_{f=1}^{n_{\omega 2}} L_{\omega 2}(c_i, f)\omega_2(s_i, f) + \sum_{f=1}^{n_{\varepsilon 2}} L_{\varepsilon 2}(c_i, f)\varepsilon_2(s_i, f, t_i) + \sum_{f=1}^{n_{\eta 2}} L_2(c_i, f)\eta_2(v_i, f) + \sum_{p=1}^{n_p} \gamma_2(c_i, t_i, p)X(x_i, t_i, p) + \sum_{k=1}^{n_k} \lambda_2(k)Q(i, k) \tag{2}$$

Part Ⅰ

$$p_1(i) = \beta_1(t_i) + \omega_1(s_i) + \varepsilon_1(s_i, t_i) \tag{3}$$

$$p_2(i) = \beta_2(t_i) + \omega_2(s_i) + \varepsilon_2(s_i, t_i) \tag{4}$$

Part Ⅲ (i)

$$p_1(i) = \beta_1(t_i) + \omega_1(s_i) + \varepsilon_1(s_i, t_i) + \lambda_1 Q(i) \tag{5}$$

$$p_2(i) = \beta_2(t_i) + \omega_2(s_i) + \varepsilon_2(s_i, t_i) + \lambda_2 Q(i) \tag{6}$$

.....

(ii)

$$p_1(i) = \beta_1(t_i) + \omega_1(s_i) + \varepsilon_1(s_i, t_i) + \eta_1(v_i) \tag{7}$$

$$p_2(i) = \beta_2(t_i) + \omega_2(s_i) + \varepsilon_2(s_i, t_i) + \eta_2(v_i) \tag{8}$$

.....

(iii)

$$p_1(i) = \beta_1(c_i, t_i) + \sum_{f=1}^{n_{\omega 1}} L_{\omega 1}(c_i, f)\omega_1(s_i, f) + \sum_{f=1}^{n_{\varepsilon 1}} L_{\varepsilon 1}(c_i, f)\varepsilon_1(s_i, f, t_i) \tag{9}$$

$$p_2(i) = \beta_2(c_i, t_i) + \sum_{f=1}^{n_{\omega 2}} L_{\omega 2}(c_i, f)\omega_2(s_i, f) + \sum_{f=1}^{n_{\varepsilon 2}} L_{\varepsilon 2}(c_i, f)\varepsilon_2(s_i, f, t_i) \tag{10}$$

.....

(iv)

$$p_1(i) = \beta_1(t_i) + \omega_1(s_i) + \varepsilon_1(s_i, t_i) + + \sum_{p=1}^{n_p} \gamma_1(t_i, p)X(x_i, t_i, p) \tag{11}$$

$$p_2(i) = \beta_2(t_i) + \omega_2(s_i) + \varepsilon_2(s_i, t_i) + + \sum_{p=1}^{n_p} \gamma_2(t_i, p)X(x_i, t_i, p) \tag{12}$$