$$\ell' = -200\ell - \frac{v}{0.05} + 2000 = f(\ell, v)$$
$$v' = -\frac{5000}{9}v + \frac{\ell}{0.00002} = g(\ell, v)$$

$$W_i = \ell(t_i)$$
$$Z_i = v(t_i)$$
$$a = 0; b = 0.1; \quad h = 5 \times 10^{-5}$$

$$W_{i+1} = W_i + \frac{5 \times 10^{-5}}{12}\left[5f(W_{i+1}, Z_{i+1}) + 8f(W_i, Z_i) - f(W_{i-1}, Z_{i-1})\right]$$

$$W_{i+1} = W_i + \frac{1}{48000}f(W_{i+1}, Z_{i+1}) + \frac{5 \times 10^{-5}}{12}\left[8f(W_i, Z_i) - f(W_{i-1}, Z_{i-1})\right]$$

$$\Theta = \frac{5 \times 10^{-5}}{12}\left[8f(W_i, Z_i) - f(W_{i-1}, Z_{i-1})\right]$$

$$W_{i+1} = W_i + \frac{1}{48000}\left[-200W_{i+1} - \frac{Z_{i+1}}{0.05} + 2000\right] + \Theta$$

$$W_{i+1} = W_i - \frac{1}{240}W_{i+1} - \frac{1}{2400}Z_{i+1} + \frac{1}{24} + \Theta$$

$$W_{i+1} = \frac{240}{241}W_i - \frac{1}{2410}Z_{i+1} + \frac{10}{241} + \frac{240}{241}\Theta$$

$$\mathcal{J} = \frac{5 \times 10^{-5}}{12}\left[8f(W_i, Z_i) - f(W_{i-1}, Z_{i-1})\right]$$

$$Z_{i+1} = Z_i + \frac{1}{48000}\left[-\frac{5000}{9}Z_{i+1} + \frac{W_{i+1}}{0.00002}\right] + \mathcal{J}$$

$$Z_{i+1} = Z_i - \frac{5}{432}Z_{i+1} + \frac{25}{24}W_{i+1} + \mathcal{J}$$

$$Z_{i+1} = \frac{432}{437}Z_i + \frac{450}{437}W_{i+1} + \frac{432}{437}\mathcal{J}$$

$$W_{i+1} = \frac{240}{241}W_i - \frac{1}{2410}\left[\frac{432}{437}Z_i + \frac{450}{437}W_{i+1} + \frac{432}{437}\mathcal{J}\right] + \frac{10}{241} + \frac{240}{241}\Theta$$

$$W_{i+1} = \frac{240}{241}W_i - \frac{432}{1053170}Z_i - \frac{450}{1053170}W_{i+1} - \frac{432}{1053170}\mathcal{J} + \frac{10}{241} + \frac{240}{241}\Theta$$

$$W_{i+1} = \frac{252760800}{253922420}W_i - \frac{432}{1053620}Z_i - \frac{432}{1053620}\mathcal{J} + \frac{10531700}{253922420} + \frac{252760800}{253922420}$$