Converge condicion:

$$V : C(1) = 1 \implies C(1+\alpha/1+0.0/1) = 1 \implies C = \frac{1}{1-11}$$

$$\therefore \text{ Solution is } \frac{1}{1-11}(1)$$

$$\mathcal{V}' = \left(\frac{1}{|\cdot|}, \frac{o - 1}{|o - 1|}, \frac{o - 1}{|o - 0|}\right)^{\mathsf{T}} = \left(\frac{1}{1}, \frac{1}{1}, \frac{1}{1}\right)^{\mathsf{T}}$$

$$\nabla_{\theta} \left(= -2 V' \left(1 - V^{T} \theta \right) \right) \xrightarrow{\text{Set 10 20}} \theta' = \frac{V}{VV^{T}} = \frac{1}{3} \left(\frac{1}{1} \right)$$

Convert back to original coordinate

$$V' = \begin{pmatrix} 1 & 0 & 0 \\ 0 & \frac{1}{0-1} & 0 \\ 0 & 0 & \frac{1}{0-1} \end{pmatrix} V = DV.$$

$$\nabla' \nabla' \theta' = (\cancel{D} \nabla)^{T} \theta' = \nabla^{T} \cancel{D}^{T} \theta'$$

$$\theta = D^{\mathsf{T}}\theta' = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix} \begin{pmatrix} 1 \\ 1 \end{pmatrix} \cdot \dot{j} = \begin{pmatrix} 1/3 \\ 1/0/3 \\ 1/0/3 \end{pmatrix}.$$