$$\vec{\gamma} := \begin{bmatrix} \gamma_0 \\ \gamma_1 \\ \gamma_2 \\ \vdots \\ \gamma_n \end{bmatrix} \tag{1}$$

$$\boldsymbol{\Gamma} := \begin{bmatrix} \gamma_0 & & & & \\ & \gamma_1 & & & \\ & & \gamma_2 & & \\ & & & \ddots & \\ & & & & \gamma_n \end{bmatrix} \tag{2}$$

$$\tilde{\mathbf{S}} := \begin{bmatrix} s_{0,0} & s_{0,1} & s_{0,2} & \cdots & s_{0,n} \\ s_{1,0} & s_{1,1} & s_{1,2} & \cdots & s_{1,n} \\ s_{2,0} & s_{2,1} & s_{2,2} & \cdots & s_{2,n} \\ \vdots & \vdots & \vdots & \ddots & \\ s_{n,0} & s_{n,1} & s_{n,2} & \cdots & s_{n,n} \end{bmatrix} \tag{3}$$

$$\mathbf{A} := \boldsymbol{\Gamma}\tilde{\mathbf{S}}\boldsymbol{\Gamma} = \begin{bmatrix} a_{0,0} & a_{0,1} & a_{0,2} & \cdots & a_{0,n} \\ a_{1,0} & a_{1,1} & a_{1,2} & \cdots & a_{1,n} \\ a_{2,0} & a_{2,1} & a_{2,2} & \cdots & a_{2,n} \\ \vdots & \vdots & \vdots & \ddots & \\ a_{n,0} & a_{n,1} & a_{n,2} & \cdots & a_{n,n} \end{bmatrix} \tag{4}$$