$$\underbrace{\begin{bmatrix} R_w[0] & R_w[1] & \cdots & R_w[N] \\ R_w[1] & R_w[0] & \cdots & R_w[N-1] \\ \vdots & \vdots & \ddots & \vdots \\ R_w[N] & R_w[N-1] & \cdots & R_w[0] \end{bmatrix}}_{\mathbf{T}} \underbrace{\begin{bmatrix} a_0 \\ a_1 \\ \vdots \\ a_N \end{bmatrix}}_{\mathbf{a}} = \underbrace{\begin{bmatrix} R_{ws}[0] \\ R_{ws}[1] \\ \vdots \\ R_{ws}[N] \end{bmatrix}}_{\mathbf{v}}$$