$$V_{j-1}$$
 A_j
 A_j

$$w_{ij} = \cot \theta_{j2} + \cot \theta_{j5}$$

(b)
$$V_{j-1} = V_{i}$$

$$V_{j} = V_{i}$$

$$V_{j} = V_{i}$$

$$w_{ij} = \frac{1}{2} \left(\cot \theta_{(j-1)4} + \cot \theta_3 \right) + \frac{1}{2} \left(\cot \theta_{(j-1)1} + \cot \theta_6 \right)$$

$$V_{i}$$
 θ_{j5}
 V_{j+1}
 V_{j}
 V_{j}

$$w_{ij} = \cot(\alpha_j) + \cot(\beta_j)$$

$$V_{j}$$
 V_{j}
 V_{j}

$$w_{ij} = \frac{1}{2} \left(\cot \theta_{j3} + \cot \theta_{j6} \right) + \cot \beta_j$$

(e)
$$V_j$$
 θ_{j3} V_j $\theta_{(j-1)1}$ $\theta_{(j-1)1}$ $\theta_{(j-1)1}$ $\theta_{(j-1)2}$ $\theta_{(j-1)3}$ $\theta_{(j-1)4}$ $\theta_{($

$$w_{ij} = \frac{1}{2} (\cot \theta_{(j-1)1} + \cot \theta_{(j-1)4}) + \cot \alpha_j$$