$$\theta_{ij}(\rho) = \begin{cases} \theta_{ij}^{U}(\rho) = \rho_i, \text{ if } S_j > S_i, & (2.9) \\ \theta_{ij}^{A}(\rho) = \dfrac{\rho_i + \rho_j}{2} & (2.10) \\ \theta_{ij}^{L}(\rho) = \dfrac{\rho_i - \rho_j}{\log(\rho_i) - \log(\rho_j)}. & (2.11) \\ & (1) \end{cases}$$

$$\theta_{ij}(\rho) = \begin{cases} \theta_{ij}^{U}(\rho) = \rho_i, \text{ if } S_j > S_i, & (2) \\ \theta_{ij}^{A}(\rho) = \dfrac{\rho_i + \rho_j}{2} & (3) \\ \theta_{ij}^{L}(\rho) = \dfrac{\rho_i - \rho_j}{\log(\rho_i) - \log(\rho_j)}. & (4) \\ & (5) \end{cases}$$

$$\theta_{ij}(\rho) = \begin{cases} \theta_{ij}^{U}(\rho) = \rho_i, \text{ if } S_j > S_i, & (6a) \\ \theta_{ij}^{A}(\rho) = \dfrac{\rho_i + \rho_j}{2} & (6b) \\ \theta_{ij}^{L}(\rho) = \dfrac{\rho_i - \rho_j}{\log(\rho_i) - \log(\rho_j)}. & (6c) \\ & (6d) \end{cases}$$