$$\begin{split} & \prod_{t \in \mathcal{L}_{t}, \mathcal{L}_{t}} (\widehat{\Sigma}) - \sum_{t \in \mathcal{L}_{t}, \mathcal{L}_{t}} (\widehat{\Sigma}) - \prod_{t \in \mathcal{L}_{t}, \mathcal{L}_{t}} (\Sigma) + \prod_{t \in \mathcal{L}_{t}, \mathcal{L}_{t}} (\Sigma) - \sum_{t \in \mathcal{L}_{t}} \prod_{t \in \mathcal{L}_{t}, \mathcal{L}_{t}} (\widehat{\sigma}_{ij}) - \prod_{t \in \mathcal{L}_{t}, \mathcal{L}_{t}} (\widehat{\sigma}_{ij}) - \prod_{t \in \mathcal{L}_{t}, \mathcal{L}_{t}} (\widehat{\sigma}_{ij}) - \prod_{t \in \mathcal{L}_{t}} \prod_{t \in \mathcal{L}$$

I max & log I tight