$$\begin{cases} A_0 = \theta_k - \Theta_1 - (k-2) \cdot \Delta \Theta_1 \\ A_1 = \sum_{m=2}^{k-1} \Delta \theta_m - (k-2) \cdot \Delta \theta_1 \\ A_2 = \sum_{m=2}^{k-1} \sum_{p=2}^{m} \Delta \theta_p \end{cases}$$