

$$a_{ij} = \begin{cases} n-1 & j = i, i \leq n \\ 0 & j = n+1, i = n+1, \\ -1 & \text{sonst} \end{cases}, \quad b_i = \begin{cases} \sum_{j=i+1}^n \Delta_{ij} - \sum_{j=1}^{i-1} \Delta_{ji} & i \leq n \\ 0 & i = n+1 \end{cases}$$

$$1 \leq i \leq n+1, 1 \leq j \leq n+1$$

$$A = \begin{pmatrix} n-1 & -1 & -1 & \cdots & -1 & -1 \\ -1 & n-1 & -1 & & & -1 \\ -1 & -1 & \ddots & \ddots & & \vdots \\ \vdots & & \ddots & n-1 & -1 & -1 \\ -1 & & & -1 & n-1 & -1 \\ -1 & -1 & \cdots & -1 & -1 & 0 \end{pmatrix}$$

$$b = \begin{pmatrix} \sum_{j=2}^n \Delta_{1j} \\ \sum_{j=3}^n \Delta_{2j} - \sum_{j=1}^1 \Delta_{j2} \\ \vdots \\ \sum_{j=n}^n \Delta_{n-1,j} - \sum_{j=1}^{n-2} \Delta_{j,n-1} \\ - \sum_{j=1}^{n-1} \Delta_{j,n} \\ 0 \end{pmatrix}$$