

numValues = 56

numColumns = 4

numRows = 7

numDiagonals = 8

numElementsPerDiagonal = 7

values =
$$\begin{pmatrix} 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 1.0 \\ 0.0 & 0.0 & 0.0 & 0.0 & 2.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 0.0 & 2.0 & 0.0 & 0.0 & 2.0 \\ 0.0 & 0.0 & 0.0 & 5.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 7.0 & 0.0 & 0.0 & 1.0 & 0.0 & 0.0 \\ 6.0 & 0.0 & 9.0 & 3.0 & 0.0 & 0.0 & 0.0 \\ 0.0 & 0.0 & 4.0 & 0.0 & 0.0 & 0.0 & 0.0 \\ 4.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 & 0.0 \end{pmatrix}$$

offset = $(-5 \quad -4 \quad -3 \quad -2 \quad -1 \quad 0 \quad 1 \quad 3)$