$\lambda^{2} + \sum_{k=1}^{2} c_{k} \lambda^{2-k} = 0$ for any eigenstee 1. If Mis diagonalitable we can write W= 2,/72 for 5 vitary and 1 diagonal. Now consider M^ + \(\hat{\chi} = \langle \mathread \hat{\chi} = \langle \chi \langle \chi \sigma \langle \hat{\chi} \sigma \langle \langle \sigma \langle = 5 -1 \[\lambda \, \frac{1}{4} \lambda \, Because 1 is dingened, we can consider each element individually, in which case us recover the polynomial

we started with Since that polynomial varisher, so loss the expression in Lrackets for every element of the matrix. Here

Mn + \(\sum_{k=1}^{n} \) < \(\lambda \) \(M^{n-1/4} \) = \(\sum_{k=1}^{n} \) ,