

## 1 | upper triangular matrix def

A matrix in which all entries below the diagonal are zero

$$\begin{pmatrix} \lambda_1 & & * \\ & \ddots & \\ 0 & & \lambda_n \end{pmatrix}$$

### 1.1 | results

#### 1.1.1 | Axler 5.26 Conditions for upper-triangular matrix