

Linear Algebra Foundations #5 - The 100th Power of a Matrix

Given the following matrix A :

$$A = \begin{bmatrix} 1 & 1 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

We compute that

$$A^{100} =$$

$$\begin{bmatrix} A & B & 0 \\ 0 & C & 0 \\ 0 & D & E \end{bmatrix}$$

In the text box below, enter the values of the integers A, B, C, D, E each in a new line. Do not leave any extra leading or trailing spaces.