$$N_0 = \begin{bmatrix} -2 \\ 7 \\ 0 \end{bmatrix}$$

The Particular Solution

RANK and NULLITYS-

The Common dimension of the Row space and colomn space of a matrix A and is denoted by rank (A).

The dimension of the nulspace

of the dimension of the nullipace of the called the nullity of the and is denoted by nullity (A).