If f is a square matrix, and if a matrix f of the same size can be found such that ff = ff = f, then f is said to be invertible (or nonsingular) and f is called an inverse of f. If no such matrix f can be found, then f is said to be singular. Remark 1: The relationship ff = ff = f is not changed by interchanging f and f, so if f is invertible and f is an inverse of f, then it is also true that f is invertible, and f is an inverse of B