Rould of Matrix

A number of 1s said to be the valle of a matrix of it possesses the bollowing two properties

Of there is attent one square submatrix of A of corder of whom determinant is not equal to zero a the matrix of contains any square submatrix of order of, then the determinant of every square submatrix of A of order of should be zero.

On short the rank of a matrix is the order of any highest order non vanishing minor of the matrix.

And the second s