$$A_{m,n} = egin{pmatrix} a_{1,1} & a_{1,2} & \cdots & a_{1,n} \ a_{2,1} & a_{2,2} & \cdots & a_{2,n} \ dots & dots & \ddots & dots \ a_{m,1} & a_{m,2} & \cdots & a_{m,n} \end{pmatrix}$$

 $a_{m,2}$ 

 $a_{m,n}$