$$A \in {\mathcal B_8}^{m imes n}, \;\; B \in {\mathcal B_8}^{p imes q}$$
 $A = egin{bmatrix} a_{11} & a_{12} & \dots & a_{1n} \ a_{21} & a_{22} & \dots & a_{2n} \ \dots & \dots & \dots & \dots \ a_{n-1} & a_{n-2} & \dots & a_{n-2} \ \end{pmatrix}, \;\; B = egin{bmatrix} b_{11} & b_{12} & \dots & b_{1q} \ b_{21} & b_{22} & \dots & b_{2q} \ \dots & \dots & \dots & \dots \ b_{n-1} & b_{n-2} & \dots & b_{n-2} \ \end{pmatrix}$

$$A \stackrel{f()}{\rightarrow} B$$

$$B = \begin{bmatrix} b_{11} & b_{12} & \dots & b_{1q} \\ b_{21} & b_{22} & \dots & b_{2q} \\ \dots & \dots & \dots & \dots \\ b_{p1} & b_{p2} & \dots & b_{pq} \end{bmatrix} = \begin{bmatrix} a_{11} & a_{21} & \dots & a_{m1} & b_{1(m+1)} & \dots & b_{1q} \\ a_{12} & a_{22} & \dots & a_{m2} & b_{2(m+1)} & \dots & b_{2q} \\ \dots & \dots & \dots & \dots & \dots & \dots & \dots \\ a_{1n} & a_{2n} & \dots & a_{mn} & b_{n(m+1)} & \dots & b_{nq} \\ b_{(n+1)1} & b_{(n+1)2} & \dots & b_{(n+1)m} & b_{(n+1)(m+1)} & \dots & b_{(n+1)q} \\ \dots & \dots & \dots & \dots & \dots & \dots \\ b_{p1} & b_{p2} & \dots & \dots & \dots & \dots & b_{pq} \end{bmatrix}$$

$$B = egin{bmatrix} b_{11} & b_{12} & \dots & b_{1q} \ b_{21} & b_{22} & \dots & b_{2q} \ \dots & \dots & \dots & \dots \ b_{p1} & b_{p2} & \dots & b_{pq} \end{bmatrix} = egin{bmatrix} a_{11} & a_{21} & \dots & a_{q1} \ a_{12} & a_{22} & \dots & a_{q2} \ \dots & \dots & \dots & \dots \ a_{1n} & a_{2n} & \dots & a_{qn} \ b_{(n+1)1} & b_{(n+1)2} & \dots & b_{(n+1)q} \ \dots & \dots & \dots & \dots \ b_{p1} & b_{p2} & \dots & b_{pq} \end{bmatrix}$$

$$B = egin{bmatrix} b_{11} & b_{12} & \dots & b_{1q} \ b_{21} & b_{22} & \dots & b_{2q} \ \dots & \dots & \dots & \dots \ b_{p1} & b_{p2} & \dots & b_{pq} \end{bmatrix} = egin{bmatrix} a_{11} & a_{21} & \dots & a_{q1} \ a_{12} & a_{22} & \dots & a_{q2} \ \dots & \dots & \dots & \dots \ a_{1n} & a_{2n} & \dots & a_{qp} \end{bmatrix}$$