Matrix	P	Q	Partition (table)	Partition (diagram)
$\left(\begin{array}{cc} 1 & 0 \\ 0 & 0 \end{array}\right)$	1	1	1	
$\left(\begin{array}{cc} 0 & 1 \\ 0 & 0 \end{array}\right)$	2	1	11	
	1	2	1 1	
	2	2		
$\begin{pmatrix} 1 & 1 \\ 0 & 0 \end{pmatrix}$	21	11	21	
			2	
	$\begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix}$ $\begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix}$ $\begin{pmatrix} 0 & 0 \\ 1 & 0 \end{pmatrix}$ $\begin{pmatrix} 1 & 1 \\ 0 & 0 \end{pmatrix}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} & 1 & 1 & 1 \\ \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix} & 2 & 1 & 1 \\ 1 & & & & & \\ \begin{pmatrix} 0 & 0 \\ 1 & 0 \end{pmatrix} & 1 & 2 & 1 \\ 1 & & & & \\ \end{pmatrix}$