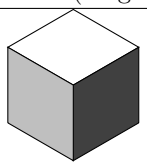
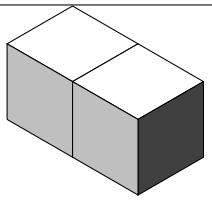
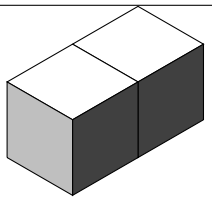
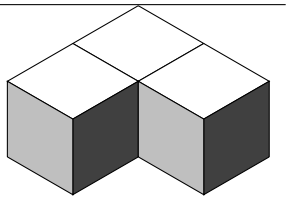
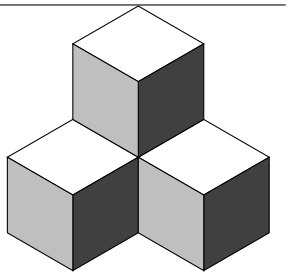
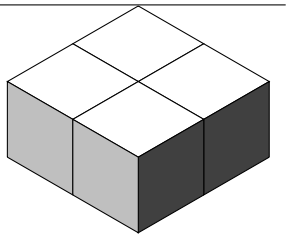
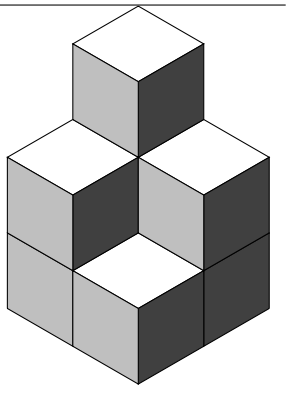
Matrix	P	Q	Partition (table)	Partition (diagram)
$\begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix}$	$\begin{array}{\|c\|}\hline 1 \\ \hline \end{array}$	$\begin{array}{\|c\|}\hline 1 \\ \hline \end{array}$	$\begin{array}{\|c\|}\hline 1 \\ \hline \end{array}$	
$\begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix}$	$\begin{array}{\|c\|}\hline 2 \\ \hline \end{array}$	$\begin{array}{\|c\|}\hline 1 \\ \hline \end{array}$	$\begin{array}{\|c\|c\|}\hline 1 & 1 \\ \hline \end{array}$	
$\begin{pmatrix} 0 & 0 \\ 1 & 0 \end{pmatrix}$	$\begin{array}{\|c\|}\hline 1 \\ \hline \end{array}$	$\begin{array}{\|c\|}\hline 2 \\ \hline \end{array}$	$\begin{array}{\|c\|}\hline 1 \\ \hline 1 \\ \hline \end{array}$	
$\begin{pmatrix} 0 & 0 \\ 0 & 1 \end{pmatrix}$	$\begin{array}{\|c\|}\hline 2 \\ \hline \end{array}$	$\begin{array}{\|c\|}\hline 2 \\ \hline \end{array}$	$\begin{array}{\|c\|c\|}\hline 1 & 1 \\ \hline 1 \\ \cline{1-1} \end{array}$	
$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$	$\begin{array}{\|c\|c\|}\hline 2 & 1 \\ \hline \end{array}$	$\begin{array}{\|c\|c\|}\hline 2 & 1 \\ \hline \end{array}$	$\begin{array}{\|c\|c\|}\hline 2 & 1 \\ \hline 1 \\ \cline{1-1} \end{array}$	
$\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$	$\begin{array}{\|c\|}\hline 2 \\ \hline 1 \\ \hline \end{array}$	$\begin{array}{\|c\|}\hline 2 \\ \hline 1 \\ \hline \end{array}$	$\begin{array}{\|c\|c\|}\hline 1 & 1 \\ \hline 1 & 1 \\ \hline \end{array}$	
$\begin{pmatrix} 1 & 1 \\ 1 & 1 \end{pmatrix}$	$\begin{array}{\|c\|c\|c\|}\hline 2 & 2 & 1 \\ \hline 1 \\ \cline{1-1} \end{array}$	$\begin{array}{\|c\|c\|c\|}\hline 2 & 2 & 1 \\ \hline 1 \\ \cline{1-1} \end{array}$	$\begin{array}{\|c\|c\|}\hline 3 & 2 \\ \hline 2 & 1 \\ \hline \end{array}$