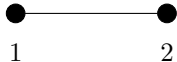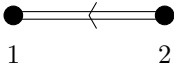$$A = \begin{pmatrix} 2 & -1 \\ -1 & 2 \end{pmatrix} \qquad A = \begin{pmatrix} 2 & -2 \\ -1 & 2 \end{pmatrix} \qquad A = \begin{pmatrix} 2 & -3 \\ -1 & 2 \end{pmatrix}$$