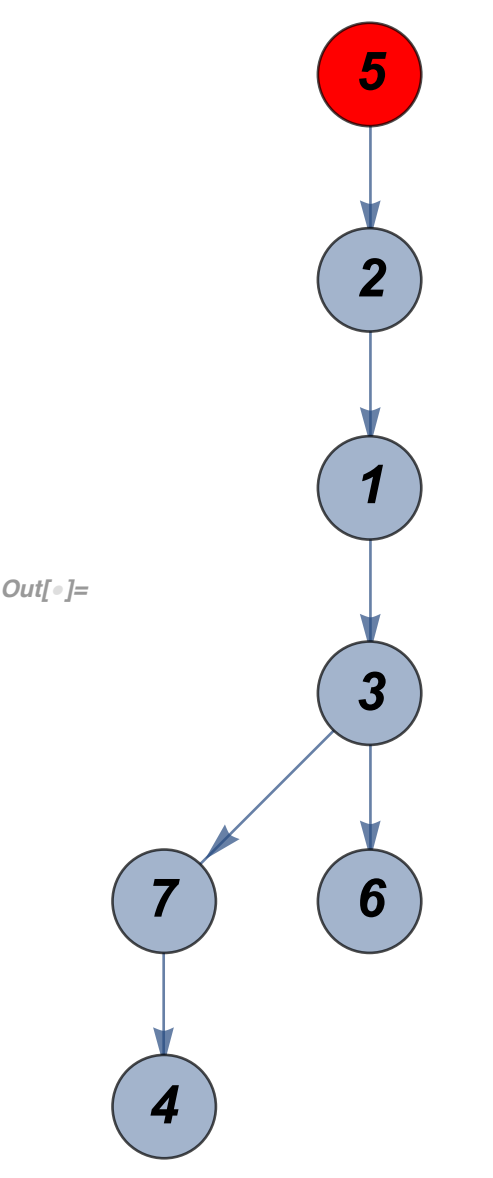
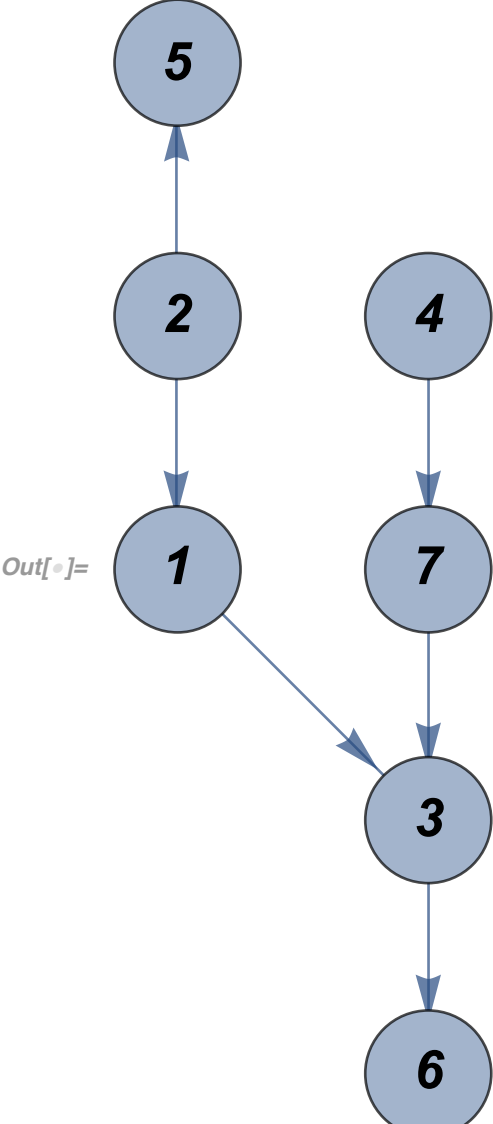
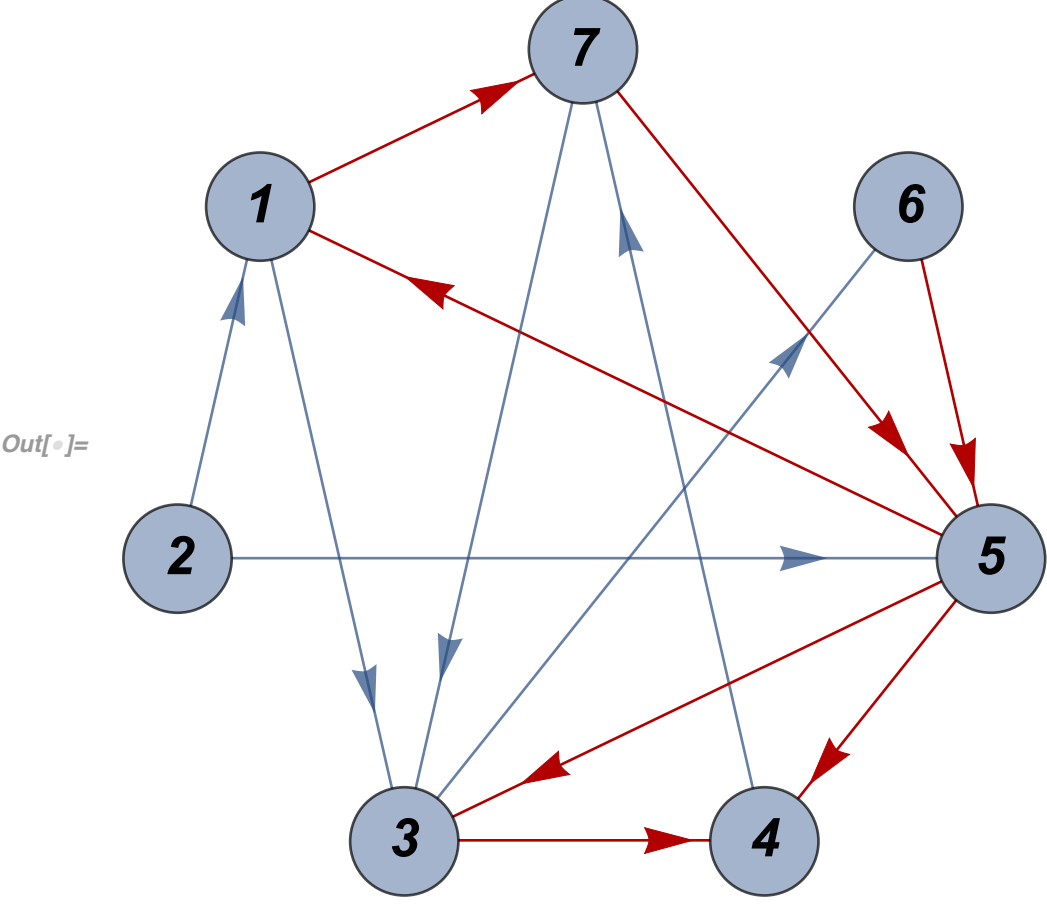
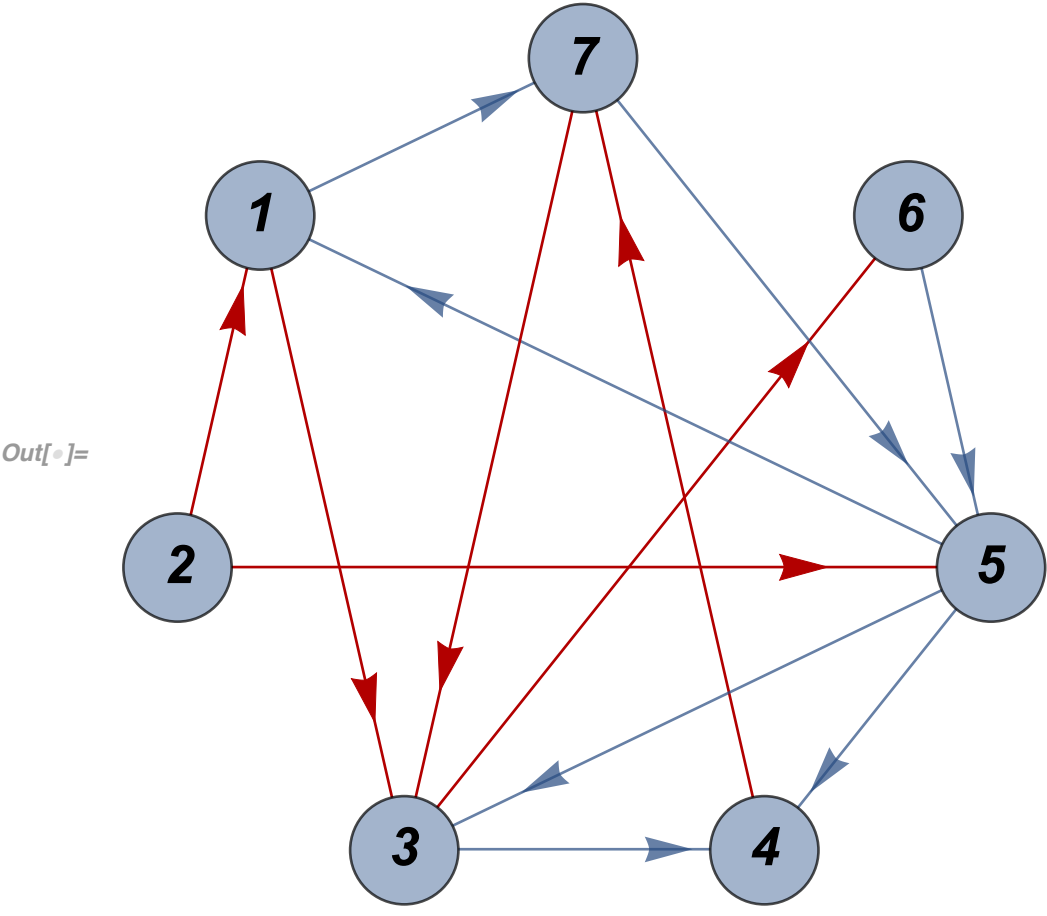
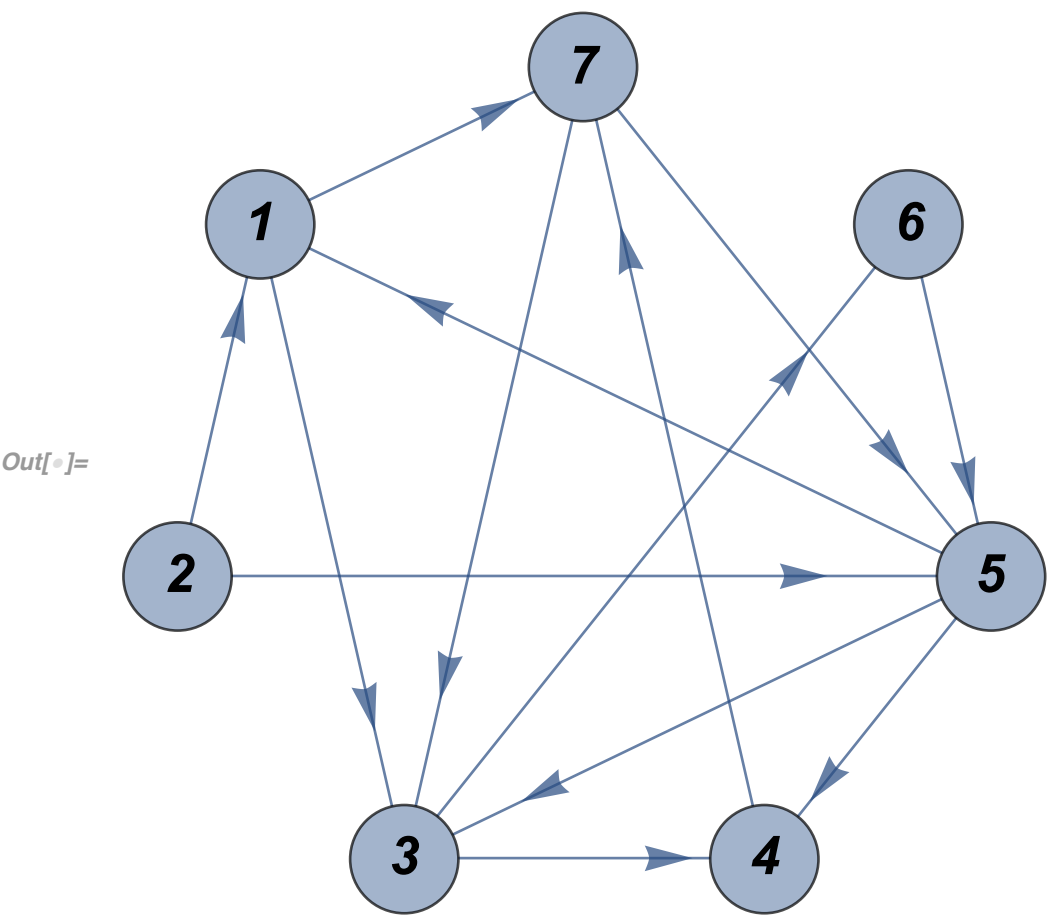


Out[\*]= {True}

Out[\*]= 
$$\begin{pmatrix} X_{1 \leftrightarrow 3} + X_{1 \leftrightarrow 7} - X_{2 \leftrightarrow 1} - X_{5 \leftrightarrow 1} == 7 \\ X_{2 \leftrightarrow 1} + X_{2 \leftrightarrow 5} == 4 \\ -X_{1 \leftrightarrow 3} + X_{3 \leftrightarrow 4} + X_{3 \leftrightarrow 6} - X_{5 \leftrightarrow 3} - X_{7 \leftrightarrow 3} == -1 \\ -X_{3 \leftrightarrow 4} + X_{4 \leftrightarrow 7} - X_{5 \leftrightarrow 4} == -7 \\ -X_{2 \leftrightarrow 5} + X_{5 \leftrightarrow 1} + X_{5 \leftrightarrow 3} + X_{5 \leftrightarrow 4} - X_{6 \leftrightarrow 5} - X_{7 \leftrightarrow 5} == -2 \\ -X_{3 \leftrightarrow 6} + X_{6 \leftrightarrow 5} == -2 \\ -X_{1 \leftrightarrow 7} - X_{4 \leftrightarrow 7} + X_{7 \leftrightarrow 3} + X_{7 \leftrightarrow 5} == 1 \end{pmatrix} = \begin{pmatrix} 7 \\ 4 \\ -1 \\ -7 \\ -2 \\ -2 \\ 1 \end{pmatrix}$$

Out[\*]= {2 ↔ 5, 2 ↔ 1, 1 ↔ 3, 7 ↔ 3, 4 ↔ 7, 3 ↔ 6}

Out[\*]= {1 ↔ 7, 3 ↔ 4, 5 ↔ 1, 5 ↔ 3, 5 ↔ 4, 6 ↔ 5, 7 ↔ 5}



Out[\*]=

vertex	1	2	3	4	5	6	7
pred	2	5	1	7	0	3	3
dir	1	-1	1	-1	0	1	-1
depth	2	1	3	5	0	4	4
d	5	2	1	3	7	4	6

Out[\*]= {X<sub>1↔7</sub> → 0, X<sub>3↔4</sub> → 0, X<sub>5↔1</sub> → 0, X<sub>5↔3</sub> → 0, X<sub>5↔4</sub> → 0, X<sub>6↔5</sub> → 0, X<sub>7↔5</sub> → 0, X<sub>2↔1</sub> → 2, X<sub>2↔5</sub> → 2, X<sub>1↔3</sub> → 9, X<sub>4↔7</sub> → -7, X<sub>3↔6</sub> → 2, X<sub>7↔3</sub> → -6}

Out[\*]= {True, True, True, True, True, True, True}