

$$\begin{array}{c}
 \text{Graph 1} + \text{Graph 2} = \text{Graph 3} - \text{Graph 4}
 \end{array}$$

The diagram illustrates a relationship between four graph structures, each based on a cube-like frame with an inscribed star.

- Graph 1 (Leftmost):** Features a solid frame with an inscribed star. Dashed lines connect vertices to a point labeled  $4$ . The label  $x_3 - x_2$  is positioned near the bottom-left vertex.
- Graph 2 (Second from left):** Features a solid frame with an inscribed star. Dashed lines connect vertices to a point labeled  $1$ . The label  $-x_2 - x_3$  is positioned near the bottom vertex.
- Graph 3 (Third from left):** Labeled  $X(1)$  at the top,  $X(2)$  at the top-left,  $X(4)$  at the top-right, and  $X(5)$  at the bottom-right. It has a solid frame with an inscribed star and dashed lines connecting vertices to a point labeled  $1$ . The label  $x_3 - x_2$  is positioned near the bottom-left vertex, and  $-x_2 - x_3$  is positioned near the bottom vertex.
- Graph 4 (Rightmost):** Labeled  $A(1)$  at the top,  $A(2)$  at the top-left,  $A(3)$  at the bottom-left,  $A(4)$  at the top-right,  $A(5)$  at the middle-right, and  $A(6)$  at the bottom-right. It has a dashed frame with an inscribed star and dashed lines connecting vertices to a point labeled  $1$ .