

$$e(\text{graph with 2 red edges}) = e(\text{graph with 1 red edge}) - e(\text{graph with 1 red edge}) + e(\text{graph with 2 red edges})$$

The image shows an equation involving four graph diagrams. Each diagram consists of a central diamond shape (a square rotated 45 degrees) with a vertex at the top, bottom, left, and right. The vertices are connected by edges. In the first diagram, the two edges connecting the top and bottom vertices to the left and right vertices are highlighted in red. In the second diagram, the left edge of the diamond is highlighted in red. In the third diagram, the right edge of the diamond is highlighted in red. In the fourth diagram, both the left and right edges of the diamond are highlighted in red. The equation is: $e(\text{graph with 2 red edges}) = e(\text{graph with 1 red edge}) - e(\text{graph with 1 red edge}) + e(\text{graph with 2 red edges})$. The minus sign is between the second and third terms, and the plus sign is between the third and fourth terms.