

Diagram illustrating the construction of a 6-regular graph with 15 vertices, showing the sequence of edges added and the resulting graph structure. The graph is built from a root node (6-2-3-1-5-4) through a series of additions (1, 2, 3, 4, 5, 6) and deletions (1, 2, 3, 4, 5, 6) of edges, resulting in a final graph structure (6-2-3-1-5-4).