

Abstract

Graph labeling plays a very vital role in graph theory applications, like network addressing of communication, X-ray, circuit designing, crystallography, radar, missile guidance, astronomy, and data base management.

Graph labeling or simply labeling or valuation for some graph is defined as map which allocates entities of a graph with a set of numbers that may be non negative integers. If the vertex set or edge set is taken to be the domain set then the corresponding labeling will be known as vertex labeling or edge labeling respectively. Now in this research paper, our domain set would be considered as node set and arc set and that will be known as total labeling.

This dissertation learning about the configuration of new results of super vertex antimagic total labeling of Harary graphs and super vertex Edge antimagic total labeling of Honeycomb graphs. We also construct some new results of super vertex antimagic total labeling of Harary graphs and super vertex edge antimagic total labeling on Honeycomb graphs.