Prime Labeling of Möbius Ladder Graphs M_n

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Abstract

A graph *G* is said to have a prime labeling if its vertices can be labeled with distinct integers from 1, 2, . . ., |*V*| such that for every edge *xy* in G, the labels assigned to *x* and *y* are relatively prime or coprime. A graph is called prime if it has a prime labeling. In this paper, we demonstrate the prime labeling of the Möbius Ladder M_n.