On $d$-antimagic labelings of prisms

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Abstract

In a $d$-antimagic labeling the vertices, edges and faces of a plane graph are labeled in such a way that the label of a face and the labels of vertices and edges surrounding that face add up to a weight of face and the weights of faces constitute an arithmetical progression of difference $d$. In this paper we deal with $d$-antimagic labeling of prism.