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Distinguishing number and distinguishing index of join of two specific graphs. (English)

Zbl 1358.05241

Adv. Appl. Discrete Math. 17, No. 4, 467-485 (2016).

Summary: The distinguishing number (index) $D(G)$ ($D'(G)$) of a graph G is the least integer d such that G has a vertex labeling (edge labeling) with d labels that is preserved only by a trivial automorphism. In this paper, we compute the distinguishing number and the distinguishing index for the join of two specific graphs.

MSC:

05C78 Graph labelling (graceful graphs, bandwidth, etc.)

Keywords:

distinguishing index; distinguishing number; join

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