Abstract

A (p, q) connected graph is edge-odd graceful graph if there exists an injective map f : E(G) \rightarrow \{1, 3, 5, \ldots, 2q-1\} so that induced map f^+:V(G) \rightarrow [0, 1, 2, 3, \ldots, (2k-1)] defined by f^+(x) = f(xy) \pmod{2k}, where the vertex x is incident with other vertex y and k = \max\{p, q\} makes all the edges distinct and odd. In this article, the edge-odd gracefulness of (P_2 \cup P_n) \cup P_n [n copies of doors].

References

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Graph of Cartesian Product of Sm and Sn &quot;, The Global Journal of Pure and Applied Mathematics of Mathematical Sciences, 1, No-2 (July- Dec 2008b), 117-120.

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