عنوان مقاله:
GRAPHS WITH TOTAL FORCING NUMBER TWO, REVISITED

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خلاصه مقاله:
A subset of the vertex set of a graph G is called a zero forcing set if by considering them colored and, as far as possible, a colored vertex with exactly one non-colored neighbor forces its non-colored neighbor to get colored, then the whole vertices of G become colored. The total forcing number of a graph G, denoted by $F_t(G)$, is the cardinality of a smallest zero forcing set of G which induces a subgraph with no isolated vertex. The connected forcing number, denoted by $F_c(G)$, is the cardinality of a smallest zero forcing set of G which induces a connected subgraph. In this paper, we first characterize the graphs with $F_t(G)=۲$ and, as a corollary, we .characterize the graphs with $F_c(G)=۲$

کلمات کلیدی:
Zero forcing set, Total forcing number, Connected forcing number