ABSTRACT

LET BE AN SIMPLE AND UNDIRECTED GRAPH WITH VERTICES AND EDGES. LET US DEFINE A FUNCTION IS CALLED SKOLEM MINKOWSKI-4 MEAN LABELING OF A GRAPH G IF WE COULD ABLE TO LABEL THE VERTICES WITH DISTINCT ELEMENTS FROM SUCH THAT IT INDUCES AN EDGE LABELING DEFINED AS, ⌈ ( ) ⌉ IS DISTINCT FOR ALL EDGES (I,E.) IT INDICATES THAT, DISTINCT VERTEX LABELING INDUCES A DISTINCT EDGE LABELING ON THE GRAPH. THE GRAPH WHICH ADMITS SKOLEM MINKOWSKI-4 MEAN LABELING IS CALLED A SKOLEM MINKOWSKI-4 MEAN GRAPH. IN THIS PAPER, WE HAVE INVESTIGATED THE SKOLEM MINKOWSKI-4 MEAN LABELING OF SOME STANDARD GRAPHS LIKE PATH, COMB, CATERPILLAR, , ETC.