

MR1006256 (90e:94041) [94B35](#) (05C99)

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Vertex coding of graphs in automatic decoding. (Russian)

Combinatorial-algebraic methods in applied mathematics (Russian), 73–83, 202–203, *Gor'kov. Gos. Univ., Gorki*, 1986.

Summary (translated from the Russian): “We consider coding of ordinary graphs in which the code of the graph is composed of codes of vertices—words of identical length in a two-letter alphabet, where decoding is carried out by a finite automaton. As a special case, this includes a representation of a graph in the form of a graph of intersections. We show all the automata with two states, with respect to which any graph can be coded. We obtain some estimates for the length of codes.”

{For the entire collection see [MR1006250 \(90a:00003\)](#)}

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