

GRAPH EQUATIONS FOR THE DNA SPLICING SCHEME

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Abstract

R. Freund (1995) introduced the graph Splicing Scheme for the DNA molecules. Dassow and Mitrana (1998) studies the Hyperedge replacement graph and examine the notation of self Cross-over system. K. G. Subramanian et al. examines the relationships between graph splicing Languages of Freund and Hyperedge replacement graph Languages. In this paper we propose Line graph of Self-Cross over Graphs and Graph Equations for the graph splicing languages. The solution of the Graph Equation gives the isomorphism results.

Key Words: Self cross-over graph, Graph Splicing, Graph Equation, Language, Line Graph.