

Construction of α -language from the language of a QDPDA of order " n "

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Abstract. In [10], A. Jain et al. introduced the notion of quasi-deterministic pushdown automata (QDPDA) of order " n " as a generalization of already known deterministic pushdown automata (DPDA). The authors also introduced there a new family of language viz. α -language of order n as a subclass of context-free language and have shown that given an α -language of order n , there exists an equivalent QDPDA of the same order that accepts exactly the given α -language of order n . In continuation of that work, in this paper, we show that given the language of a QDPDA of order n , there exists an equivalent α -language of order " n ".

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