

# **Combined greedy algorithm on construction binary de bruijn sequence**

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## **ABSTRACT**

In this paper we construct one type of de bruijn sequence. First, we modify the prefer-one and prefer-zero algorithm to build one cycle. The other cycles are constructed by modified pure circulating register. Finally, we use cycle joining method to get the full length of the sequence.

Kata Kunci: *de bruijn sequence, pure circulating register, cycle joining method*