# Lyndon word 




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## Definitions






## Enumeration


$01,01,001,011,0001,0011,0111,00001,00011,00101100111,01011,01111$

.2.230 Lyndon words correspond ta aperiodic necklace class represesmatitives and can thus $b$ ec counted with Moreal
necklacecounting finction. 1 Il

Generation





 generate words of enenth
do ono fit these criteria.
Standard factorization

| Lyndo words in isuh a way that the words in int esequence are nonierere |
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 Varian of the Burrows-Wheeler transform for data compression, (10) and in in lgorithms sor for figital
geomety
 Given astring $S$ of ferggh $N$, one should proceed with hif followings steps.
$\qquad$





Connection to de Bruijn sequences



000010011010111

Additional properties and applications




 $11 . v=v$ for any wor
$u \| 11=u$ for any wor
,

See also
Lexicographically minimal string rotation
Notes




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