An explicit condition for boundedly supermultiplicative subshifts

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Résumé

We denote by L(A,F) the language of words over the alphabet A avoiding the set of forbidden factors F. We provide a sufficient condition on F and —A— for the growth of L(A,F) to be boundedly supermultiplicative. That is, there exist constants C> 0 and a> 0, such that for all n, the number of words of length n in L(A,F) is between aˆn and Caˆn. We will discuss some consequences, and an application of the same idea to circular square-free words.

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