

Overlapping squares in strings, updated

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In 2011 several papers have been written or published that relate to the problem of overlapping squares. [1,2] pursue the ideas originally put forward in [3,4] that reduce the problem to 14 distinct cases. As a result of the new work it has now been proved that in 12 of the 14 cases the string must break down into repetitions of small period. For the two cases that remain (3 and 7), [1] provides well-documented conjectures.

Another combinatorial approach to the overlapping squares problem has been proposed in [5,6].

References

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