A proof of a conjecture on sequences with unusual properties

First Author[*]

Department of Mathematics
Southpole University
Southpole, Antarctica

author@math.southpole.edu

Possible Second Author   Possible Third Author

School of Computer Science
University of Nowhere
Nowhere, Forgottencountry

{psa,pta}@uni.fc

Abstract

The paper should begin with a clear and informative abstract.

1 Introduction

We prove a conjecture due to John Smith [1] concerning sequences with unusual properties.

Theorem 1. *Sequences with unusual properties exist.*

We shall prove Theorem 1 using a new method, which we call the magical method.

2 The magical method

In this section we describe our main method.

Lemma 2. *If a sequence satisfies property A, then it satisfies property B.*

Proof. Suppose for a contradiction that a sequences satifies property A, but does not property B. ... □

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3   Proof of Theorem 1

In this section we complete the proof of Theorem 1.

Proof of Theorem 1. Argument . . . . This completes the proof of Theorem 1. □

Acknowledgements

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References

[1] J. Smith. A conjecture on sequences with unusual properties. *J. Major Results*, 5(2):100–200, 1950.