A proof of a conjecture on sequences with unusual properties

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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. □

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References

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