

# TITLE

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Communicated by Ayman Badawi

MSC 2010 Classifications: Primary 05A30

Keywords and phrases: Matrix powers, Larcombe relations, bijective proofs, weight-enumerator

## Abstract

## 1 Introduction

## 2 Section 1

**Lemma 2.1.** *The following conditions are equivalent:*

- (1)  *$S$  is a finite semigroup with no proper subsemigroups;*
- (2)  *$S$  is a trivial group (that is, a group with only one element).*

**Proof.**

**Proposition 2.2.** *KAKI*

**Proof.**

**Corollary 2.3.** *KAKI*

**Proof.** KAKI

**Remark 2.4.** KAKI

## References

- [1] K. E. Aubert, On the ideal theory of commutative semi-groups, *Math. Scand.* **1**, 39–54 (1953).

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