

NOTE

A DIFFERENT SHORT PROOF OF BROOKS' THEOREM

LANDON RABERN

Arizona State University
School of Mathematical & Statistical Sciences

e-mail: landon.rabern@gmail.com

Abstract

Lovász gave a short proof of Brooks' theorem by coloring greedily in a good order. We give a different short proof by reducing to the cubic case.

Keywords: coloring, clique number, maximum degree.

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