

PORTLAND STATE UNIVERSITY

PROJECT 2

ECE582

Model Checking by NuSMV

Erik Rhodes

Jordan Fluth

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1 Introduction

Talk about model checking

2 Combinational Lock

2.1 NuSMV

2.2 Added properties

2.3 Results

3 Kripke Structures

3.1 Figure 1

3.2 NuSMV

3.3 Added properties

3.4 Results

3.5 Figure 2

3.6 NuSMV

3.7 Added properties

3.8 Results

4 Equivalence Checking

4.1 NuSMV

4.2 Results

System Diameter. Reachable states Check $AG(output=0)$