

**CHARACTERIZATIONS OF CI-GRAPHS ON CAYLEY
DIGRAPHS OF LEFT AND RIGHT GROUPS**

MONTHIYA RUANGNAI

**MASTER OF SCIENCE
IN MATHEMATICS**

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
SEPTEMBER 2012**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
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**THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
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IN MATHEMATICS**

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