# CHARACTERIZATION AND ISOMORPHISM CONDITIONS OF CAYLEY DIGRAPHS OF SOME COMPLETELY REGULAR SEMIGROUPS

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DOCTOR OF PHILOSOPHY
IN MATHEMATICS

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A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

IN MATHEMATICS

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### JOHN MEKSAWANG

### THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN MATHEMATICS

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