FORCING LINEARITY NUMBERS OF FREE
MODULES OVER A LOCAL RING

KHANITIN SMANMIT

MASTER OF SCIENCE
IN MATHEMATICS

THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
MARCH 2006

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A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN

PARTIAL FULFILLMENT OF THE REQUIREMENTS

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22 MARCH 2006

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THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTER OF SCIENCE
IN MATHEMATICS

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22 March 2006

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