

Products of k -Fibonacci numbers which are rep-digits

By ADEL ALAHMADI (Jeddah), ALAA ALTASSAN (Jeddah),
FLORIAN LUCA (Johannesburg) and HATOON SHOAI B (Jeddah)

Abstract. We show that there are no examples of non-trivial products of consecutive k -Fibonacci numbers that are rep-digits.

ADEL ALAHMADI &
ALAA ALTASSAN &
HATOON SHOAI B
RESEARCH GROUP IN ALGEBRAIC
STRUCTURES AND ITS APPLICATIONS
KING ABDULAZIZ UNIVERSITY
JEDDAH
SAUDI ARABIA

FLORIAN LUCA
SCHOOL OF MATHS
WITS UNIVERSITY
SOUTH AFRICA
AND
RESEARCH GROUP IN ALGEBRAIC
STRUCTURES AND APPLICATIONS
KING ABDULAZIZ UNIVERSITY
JEDDAH
SAUDI ARABIA
AND
MAX PLANCK INSTITUTE
FOR MATHEMATICS
BONN
GERMANY

Mathematics Subject Classification: 11A25, 11B39, 11J86.

Key words and phrases: k -Fibonacci numbers, repdigits, linear forms in complex logarithms.