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ELEGANT SOLUTIONS TO FAMOUS CONJECTURES ON FERMAT PSEUDOPRIMES - I

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Abstract

In this paper, we will solve two conjectures on Fermat Pseudoprimes (base-2) or Poulet numbers by producing elegant proofs; also we will discuss the construction of Pseudoprimes in base-3 by generalizing base-3 with theorem and proof.

Key Words : Fermat little theorem, Poulet numbers, Quadratic residue. AMS Subject Classification : 11A41, 11B83.

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