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Victor H Moll (vhm@math.tulane.edu), Department of Mathematics, Tulane University, New Orleans, LA , and **Xinyu Sun*** (xsun@xula.edu), Department of Mathematics, Xavier University of Louisiana, New Orleans, LA 70125. *Asymptotic p -adic methods.*

The p -adic valuation of many sequences appearing in Number Theory, Combinatorics and Special Functions have been analyzed by the authors. The common feature is an expansion of the form an series in which each term is a periodic function of period given by a power of the prime p . Examples include Stirling numbers and ASM (alternating sign matrices) numbers. These examples hint to a general procedure to be employed in sequences. (Received September 22, 2010)