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*Final digit strings of powers where the exponents end in 1, 3, 7 or 9,*  
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**Abstract**

Given an integer  $b > 1$  and a string  $s$  of decimal digits, one may ask whether there exists an integer  $n$  such that  $n^b$  (in decimal form) ends in  $s$ . This paper answers that question for the case where the exponent  $b$  is relatively prime to 10. It extends the earlier work [2], where the question was answered for cubes.