

**Title:** Bases which admit exactly two expansions

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Given a positive integer  $m$ , let  $\Omega_m = \{0, 1, \dots, m\}$ , and let  $\mathcal{B}_2(m)$  denote the set of bases  $q \in (1, m+1]$  in which there exist numbers having precisely two  $q$ -expansions over the alphabet  $\Omega_m$ . Sidorov [23] firstly studied the set  $\mathcal{B}_2(1)$  and raised some questions. Komornik and Kong [15] further investigated the set  $\mathcal{B}_2(1)$  and partially answered Sidorov's questions. In the present paper, we consider the set  $\mathcal{B}_2(m)$  for general positive integer  $m$ , and generalise the results obtained by Komornik and Kong.

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