Erdős, Paul; Shallit, J.O.
New bounds on the length of finite Pierce and Engel series. (In English)
Sémin. Théor. Nombres Bordx., Sér. II 3, No.1, 43-53 (1991).

The authors give estimates on the length of Engel series expansions for rational x. The upper and lower bounds are widely separated. The method of estimation of the length is extended to alternating Engel series which is also known as Pierce expansions. For a large variety of results on Engel series as a special case of a general series expansion, see the reviewer [Representations of real numbers by infinite series, Lect. Notes Math. 502 (1976; Zbl 322.10002)].

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Classification:
11A67 Representation systems for integers and rationals

Keywords:
rational numbers; length of Engel series expansions; alternating Engel series; Pierce expansions