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Finiteness of a class of Rabinowitsch polynomials. (English) [Zbl 1122.11070](#)

Arch. Math., Brno 40, No. 3, 259-261 (2004).

The author shows that there are only finitely many Rabinowitsch polynomials, i.e., there are only finitely many positive integers m such that there is some integer t such that $|n^2 + n - m|$ is 1 or a prime for all $n \in [t+1, t+\sqrt{m}]$. As the author points out in his note added in proof, this result has been also obtained by *D. Byeon* and *H. M. Stark* [*J. Number Theory* 99, No. 1, 219–221 (2003; [Zbl 1033.11010](#))] and by *S. Louboutin*.

Reviewer: [Radan Kučera \(Brno\)](#)

MSC:

[11R11](#) Quadratic extensions
[11R29](#) Class numbers, class groups, discriminants
[11C08](#) Polynomials in number theory

Cited in 1 Document

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real quadratic fields; class number

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