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Title: Integer points on two families of elliptic curves

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In this paper we find all the integer points on elliptic curves induced by the Diophantine triples $\{k - 1, k + 1, 16k^3 - 4k\}$ and $\{k - 1, k + 1, 64k^5 - 48k^3 + 8k\}$ that have either rank two or $2 \leq k \leq 10000$ (with one possible exception).

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