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Integers that Satisfy a Fermat's Congruence of Higher Power, Fibonacci Quart. **59** (2021), no. 4, 291–297.

Abstract

We consider positive integers n that satisfy congruences of the form $a^{n-1} \equiv 1 \pmod{n^m}$, where a and m are integers with (a,n) = 1, |a| > 1, and $m \ge 2$.