

ABSTRACT. In this note, we show that if a is an integer not 0 or ± 1 and $f(X) \in \mathbb{Q}[X]$ is an integer valued irreducible polynomial of degree $d \geq 2$, then the set of primes p dividing $a^{f(n)} - 1$ for some positive integer n is of (relative) asymptotic density zero.