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Note On Elliptic Primitive Points.

Let E be an elliptic curve of rank $\text{rk}(E) \geq 1$, and let $P \in E(\mathbb{Q})$ be a point of infinite order. The number of elliptic primes $p \leq x$ for which $\langle P \rangle = E(\mathbb{F}_p)$ is expected to be $\pi(x, E, P) = \delta(E, P)x/\log x + o(x/\log x)$, where $\delta(E, P) \geq 0$ is a constant. This note proves the lower bound $\pi(x, E, P) \gg x/\log x$. (Received March 09, 2017)