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Short proofs for some residual properties of free groups. (English)

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The author gives short proofs of the following well-known results: 1) For any prime p the free group F_n ($1 \leq n \leq \infty$) is residually a finite p -group, 2) If S is an infinite set of primes then the free group F_2 is residually $PSL_2(p)$, for $p \in S$.

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