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Weak potency of HNN extensions. (English)

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Summary: A group G is said to be weakly potent if for each element x of infinite order in G , we can find a positive integer r with the property that for each positive integer n there exists a normal subgroup N of finite index in G such that xN has order exactly rn in G/N . We characterize the weak potency of HNN extensions of free Abelian groups with finite rank.

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