

ABSTRACT. We show that any finitely generated metabelian group can be embedded in a metabelian group of type F_3 . More generally, we prove that if n is a positive integer and Q is a finitely generated abelian group, then any finitely generated $\mathbb{Z}Q$ -module can be embedded in a module that is n -tame. Combining with standard facts, the F_3 embedding theorem follows from this and a recent theorem of R. Bieri and J. Harlander.