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## Mittag-Leffler modules and right almost split maps

Given a countable direct system consisting of finitely presented modules, we show how to fit it into many (countably long) branches of a tree, and thus form a so-called tree module. This object will later be used to give an easy homological proof of a lemma with many interesting consequences. Among them: 1) the non-existence of (flat) Mittag-Leffler precovers (in a non-trivial setting); 2) the fact that a codomain of a right almost split map which is countably presented is actually finitely presented.