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module of finite rank

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Let  $M$  be a module, and let  $E(M)$  be the injective hull of  $M$ . Then we say that  $M$  has if  $E(M)$  is a finite direct sum of indecomposable submodules.

This turns out to be equivalent to the property that  $M$  has no infinite direct sums of nonzero submodules.