

## عنوان مقاله: On a question concerning the Cohen's theorem

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## خلاصه مقاله:

Let R be a commutative ring with identity, and let M be an R-module. The Cohen's theorem is the classic result that a ring is Noetherian if and only if its prime ideals are finitely generated. Parkash and Kour obtained a new version of Cohen's theorem for modules, which states that a finitely generated R-module M is Noetherian if and only if for every prime ideal p of R with Ann(M) \subseteq p, there exists a finitely generated submodule N of M such that pM \subseteq N \subseteq M(p), where  $M(p) = \{x \in M | x \in M | x \in M | x \in M | x \in M \}$ . In this paper, we prove this result for .some classes of modules

كلمات كليدى:

Noetherian modules, Cohen's theorem, X-injective

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