

**CORRIGENDUM TO
“ON STRONGLY PRIME MODULES AND
RELATED TOPICS”**

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An error in the proof of $2) \Rightarrow 3)$ in Theorem 1.3 has been kindly pointed out to the present author by Professor H. Katayama. Since the preradical P defined by the trace need not be LE in general, the proof $2) \Rightarrow 3)$ should be changed slightly as follows: Let N be a non-zero proper submodule of M . We set $P(X) = \sum_{y \in N} \text{Hom}_R(Ry, X)$ ($y \in N$ and $X \in R\text{-Mod}$) and $\bar{P}(X) = X \cap P(\widehat{X})$, where \widehat{X} denotes the injective hull of X . Let $\bar{P}^*(X) = \bigcap Y$, where Y runs through all the submodules of X with $\bar{P}(X/Y) = 0$. Then \bar{P}^* is the least LE radical larger than P . By 2), we have $\bar{P}^*(M) = M$. Hence we get $\bar{P}^*(M/N) = M/N$. By the definition of \bar{P}^* , we have $\bar{P}(M/N) \neq 0$, and therefore $P(\widehat{M/N}) \neq 0$. That is, $\text{Hom}_R(Ry, \widehat{M/N}) \neq 0$ for some non-zero element y of N . Then we can choose a non-zero element \bar{f} in $\text{Hom}_R(Ry, \widehat{M/N})$. Since $\widehat{M/N}$ is the injective hull of M/N , there exists $a \in R$ such that $0 \neq a(y)\bar{f} \in M/N$. Now, let $f = \bar{f}|_{Ray}$. Then f is a non-zero element of $\text{Hom}_R(Ray, M/N)$, which proves 3).

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