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Let \star be a star operation on a ring extension $R \subseteq S$. A ring extension $R \subseteq S$ is called Prüfer *star*-multiplication extension (P \star ME) if $(R_{[m]}, m_{[m]})$ is a Manis pair in S for every \star -maximal ideal m of R . In this talk, we discuss some results on star operations, and we show that under appropriate conditions, the extension $R \subseteq S$ is a P \star_1 ME if and only if $R[X]_{[N(\star_1)]} \subseteq S[X]$ is P \star_2 ME, where \star_1 and \star_2 are star operations on $R \subseteq S$ and $R[X] \subseteq S[X]$ respectively, and $N(\star_1) = \{f \in R[X] : c_R(f)^{\star_1} = R\}$. (Received August 16, 2020)