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A well-known result states that the Yoneda algebra $E(A) = \text{Ext}_A(k, k)$ of a Koszul algebra A is another quadratic algebra, which is again Koszul; indeed, $E(E(A)) \simeq A$. Green, et. al., have also proven a similar property for Berger's class of N -Koszul algebras: if A is N -Koszul, then $E(E(E(A))) \simeq E(A)$. We study the condition $E(E(E(A))) \simeq E(A)$ in general. (Received August 02, 2011)