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Kwangho Choiy* (kchoiy@siu.edu), 1245 Lincoln Dr., Carbondale, IL 62901-4408. *On commuting algebra isomorphisms in pseudo- z -embedding.*

Given a connected reductive p -adic group G , its closed subgroup H having the same derived group, it is of interest which group structural conditions on G, H yield the algebra isomorphism between the so-called commuting algebra (the algebra of G -endomorphisms) of a parabolic induction in G and its counterpart in H . We shall give an answer to the question by employing the notion of pseudo- z -embedding defined by T. Kaletha. This study can be applied to a transfer of reducibility on parabolic induction from G to H and vice versa, and is expected to contribute to the relationships between internal structures of tempered L -packets for G and H in the context of the local Langlands correspondence. (Received January 29, 2020)