Publicationes Mathematicae Debrecen Year: 2024 Vol.: 105 Fasc.: 3-4 Title: Convolution sums of restricted divisor functions derived from Dirichlet convolution Author(s): Su Yeon Kong, Yan Li and Daeyeoul Kim In this article, the convolution sums of six restricted divisor functions considered by Glaisher are studied. Using the properties of Dirichlet convolution, we try to find the inverse functions of four restricted divisor functions and use these to find the formulae for the convolution sums under the given relatively primeness conditions. Address: Su Yeon Kong Department of Mathematics and Institute of Pure and Applied Mathematics

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