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Karl W. Kosko 401 White Hall, P.O. Box 5190 Kent, OH 44242 Office: (330) 672 - 0660 Kkosko1@kent.edu EDUCATION Virginia Tech, Blacksburg, VA 4th, 2024

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444 G. MOHANRAJ AND M. VELA Theorem 3.4. The Fuzzy Set Is A S-fuzzy Generalized Bi-ideal Of R If And Only If  $S \circ S \circ S \circ S$ . Proof. For A S-fuzzy Generalized -bi-ideal Of R And If X Cannot Be Expressible As  $X = Awbvc$ ; Then  $(S \circ S \circ S \circ S)(x) = 1 > (x)$ : Now,  $((S \circ S) \circ S \circ S)(x) = Inf_x = uvc S((S \circ S)(u); S(0)(2th, 2024$

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