

GROUPS OF INFINITE UNITRIANGULAR MATRICES

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Abstract. In this paper we define the group of unitriangular matrices over any well-ordered set and we study their properties. We prove that for any ordinal α there is a nilpotent group having its nilpotency class exactly α .

MSC 2000. 20F18, 20F19, 20H25.

Key words. Central series, nilpotency index, ordinal numbers.

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Received November 18, 2006

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