EXISTENCE OF A COUNTABLE INFINITE STRICTLY 2-HOMOGENEOUS DISTRIBUTIVE LATTICE

K. Zh. Kudaĭbergenov

We construct a countable infinite 2-homogeneous distributive lattice that is not 3-homogeneous, which answers a question of Droste and Macpherson.

 $Key \ words \ and \ phrases: \ \ k-homogeneous \ distributive \ lattice.$

Kudaibergenov Kanat Zhanzakovich School of General Education, KIMEP, Almaty, 050100 Kazakhstan. E-mail: kanat@kimep.kz Received February 28, 2011

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