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example of Latin squares

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Owner jgade (861) Last modified by jgade (861)

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Author jgade (861) Entry type Example Classification msc 05B15 It is easily shown that the multiplication table (Cayley-table) of a group has exactly these properties and thus are Latin squares. However the converse is not true, ie. not all Latin squares are multiplication tables for a group (the smallest counter example is a Latin square of order 5).