

1046-05-1168 **Kyle Pula*** (jpula@math.du.edu). *The Hall-Paige conjecture in non-associative contexts.*

The recently established Hall-Paige conjecture says that for a finite group G the following are equivalent:

1. the multiplication table of G (considered as a Latin square) has a transversal,
2. Sylow 2-subgroups of G are trivial or non-cyclic,
3. and there is an ordering of G such that $g_1 \cdots g_n = 1$.

We propose non-associative analogues for these conditions and establish several implications between the proposed conditions. (Received September 15, 2008)