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**DATA ON FOUR-REWRITEABILITY
IN FINITE GROUPS**

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Data on Four-Rewriteability in Finite Groups

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A four-tuple of elements, (x_1, x_2, x_3, x_4) , from a finite group, G , is said to be rewriteable (see [1], [2], [3]) by π , where π is an element of the symmetric group on four symbols, if

$$x_1 x_2 x_3 x_4 = x_{\pi(1)} x_{\pi(2)} x_{\pi(3)} x_{\pi(4)}.$$

The entry at the intersection of the G -th row and j -th column of each table on the succeeding three pages is the number of four-tuples from G which are rewriteable by exactly j permutations in the symmetric group on four symbols. This data was generated using the computer algebra system CAYLEY by participants in Rose-Hulman's National Science Foundation Research Experiences for Undergraduates program during the summer of 1991.

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