$$L^n x = \log L^{n-1} x;\ L^1 x = \log x.$$

The function $S(x, y; n)$ is of interest as a generalized arithmetic operation, since the values 0 and 1 of the parameter n yield $x + y$ and $x \cdot y$, respectively.

In a previous paper [1] tables for $S(x, y; n)$ were given for $x, y = 0(1)10; n = -1(1)3$, where $L^n x$ was defined in terms of logarithms to the base 2.

In the current paper non-integer values of the parameter n are introduced by putting $L^n x = H(Gx - 1)$, where the mutually inverse operators H and G are defined by $GLx = Gx - 1$ and $H(x - 1) = LHx$.

In this paper, where $L^n x$ is defined in terms of natural logarithms, the function $S(x, y; n)$ is tabulated for $x, y = 0(1)10; n = \frac{1}{2}, \sqrt{2}$, and for $x, y = 2(1)10; n = \pi$. All tabular entries are given to 5D.

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1. A. ZAVROTSKY, "Algunas generalizaciones del concepto de campo," Acad. Ciencias Fis. Mat. y Nat., Caracas, Venezuela, *Boletín*, No. 28, 1946, 1947, 23 p. [See **RMT** 494, *MTAC*, v. 3, 1948–1949, p. 97.]

64[F].—L. MCKEE, C. NICOL & J. SELFRIDGE, "Indices and power residues for all odd primes and powers less than 2000," an unpublished mathematical table stored on magnetic tape, January 18, 1961.

The computing center at the University of Oklahoma has recently computed a table of indices and power residues for all odd primes and powers thereof less than 2000. The computations **were** done on a modified IBM 650 and have been stored on magnetic tape. Anyone desiring any portion of this table should write to: Director, Computing Center, University of Oklahoma, Norman, Oklahoma.

AUTHORS' SUMMARY

65[G].—RICHARD BELLMAN & MARSHALL HALL, JR., Editors, *Proceedings of Symposia in Applied Mathematics*, Vol. X, "Combinatorial Analysis," American Mathematical Society, 1960, vi + 311 p., 26 cm. Price $7.70.

This book contains the following papers, presented at a symposium on applied mathematics sponsored by the American Mathematical Society and the Office of Ordnance Research three years ago (April 1958).

Marshall Hall, Jr.	Current Studies on Combinatorial Designs
R. H. Bruck	Quadratic Extensions of Cyclic Planes
D. R. Hughes	On Homomorphisms of Projective Planes
A. A. Albert	Finite Division Algebras and Finite Planes
L. J. Paige & C. B. Tompkins	The Size of the 10 x 10 Orthogonal Latin Square Problem
R. P. Dilworth	Some Combinatorial Problems on Partially Ordered Sets
R. J. Walker	An Enumerative Technique for a Class of Combinatorial Problems