with the associated indicial equation

(13)
$$f(x) = x^4 - .398x^3 + .220x^2 - .013x - .027 = 0.$$

Its roots have been computed and are known to be less than unity in absolute value. This may be verified by computing

$$\pi_{0} = 0.782 > 0
\pi_{1} = 3.338 > 0
\pi_{2} = 5.398 > 0
(14)$$

$$\pi_{3} = 4.878 > 0
\pi_{4} = 1.604 > 0
T_{2} = 14.204 > 0
T_{3} = 43.177 > 0$$

To compute the same results by cross-multiplication the work is arranged as follows:

It may be remarked that the presence of a negative coefficient anywhere in the table is an immediate indication of instability, and that there is no necessity to continue the computation until a negative sign appears in a leading coefficient. This fact often saves much labor.

VALUES OF MILLS' RATIO OF AREA TO BOUNDING ORDINATE AND OF THE NORMAL PROBABILITY INTEGRAL FOR LARGE VALUES OF THE ARGUMENT

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A pair of simple inequalities is proved which constitute upper and lower bounds for the ratio R_x , valid for x > 0. The writer has failed to encounter these inequalities in the literature, hence it seems worthwhile to present them for whatever value they may have.

¹ J. P. Mills, "Table of ratio: area to bounding ordinate, for any portion of the normal curve." Biometrika Vol. 18 (1926) pp. 395-400. Also Pearson's tables, Part II, Table III.