Addendum II

The system can be taken to the next level, which would facilitate the handling of very large numbers. Thus, just as 3x3x3x3x3 is written compactly as 3^5 (or 3↑5), so
$$(((3^3)^3)^3)^3 \approx 4.4 \times 10^{38}$$
or, (((3↑3)↑3)↑3)↑3 ≈ 4.4 x 10↑38
could be written more compactly. We could create a new symbol, "⸸" allowing us to write the above very large value of 4.4 x 10^{38}, simply, and exactly, as 3 ⸸ 5. To complete the picture, we could create new symbols ⸸ and ⸸ to allow us to undo 3 ⸸ 5.

And then of course this all could be taken up to the next higher level, "⸸".
 And on and on.