## The Recursive Future Equation

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### Abstract

In this research investigation, the author has presented a Recursive Future Equation.

### Theory

Given a Time Series $Y = \{y_1, y_2, y_3, ..., y_{n-1}, y_n\}$

we can find $y_{n+1}$ using the following Recursive Equation.

$$y_{n+1} = \sum_{k=1}^{n} \left\{ \left\{ \frac{Smaller\ of\ (y_{n+1}, y_k)}{L\arg er\ of\ (y_{n+1}, y_k)} \right\} \left\{ \sum_{k=1}^{n} y_k \right\} \right\}$$

From the above Recursive equation, we can solve for $y_{n+1}$

Example: Using the Primes 2 and 3 , we get the Prime 5.

### References

1.  http://www.vixra.org/author/ramesh_chandra_bagadi
2.  http://www.philica.com/advancedsearch.php?author=12897