Dear Don,

Here is version 4; version 5 (with an index & expanded introduction) is in preparation, and hopefully will be a book fairly soon, although I haven't approached publishers yet. What was the sequence for which you found two explanations? (I'm collecting such examples for the introduction.)

Don't forget also to send any other sequences you may come across which are not in the table!

Best regards,

Neil Sloane

To test your new table I checked out a sequence that appeared on my blackboard when I opened your letter: 1, 2, 4, 7, 12, 20, ... I had deduced it was $F_{n-1}$ (Fib. numbers less 1).

My colleague Bob Floyd suggests the following Famous non-primitive-recursive function: Ackermann's

function $A(n, n) = 1, 3, 7, 61, 2^{2^{2^n}} - 3, ...$ [TT2]

Ref: Hermes, Computability.