The xrange function: Increased performance in for loops

The xrange function can replace the range function in any for loop with identical results and increased performance. There is no reason to use range instead of xrange in a for loop. The xrange function has a factor 2.3 higher performance, and eliminates the memory usage of the range function.

The range function creates a list and stores it in memory, which the for loop then iterates over.
The xrange function never creates a list, but simply gives the for loop each value as it comes along.