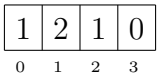
Challenge Problem 21: Self-Counting Sequence

The sequence of numbers in the boxes below is what we might call a self-counting sequence because the i^{th} box contains a number telling how many time the digit i appears in the boxes.



In particular the boxes contain one 0, two 1s, one 2, and zero 3s.

Fill in the boxes below to obtain a self-counting sequence.