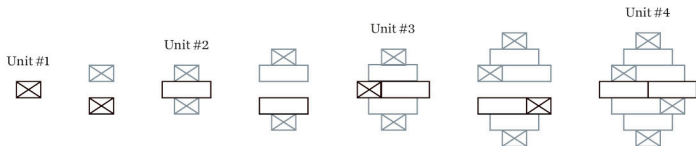
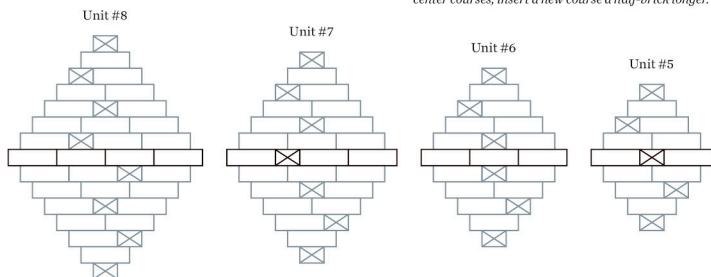


Beauty & the Bricks



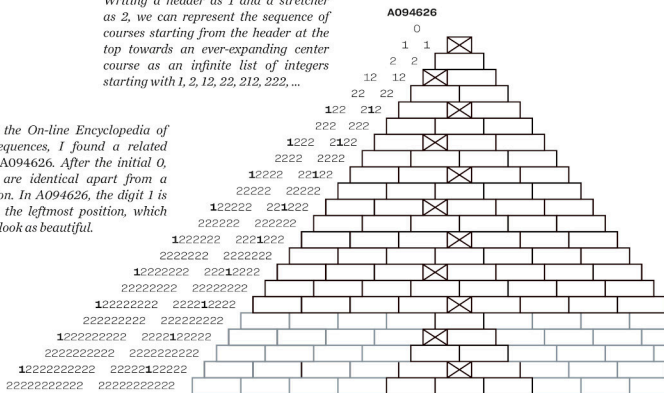
Below the center course, insert a new course with the same bricks in reverse order. Then between these two center courses, insert a new course a half-brick longer.



That is, if the center course used to contain a header, replace it with a stretcher. Otherwise, add a header, right in the center, or just off-center, one step to the left.

Writing a header as 1 and a stretcher as 2, we can represent the sequence of courses starting from the header at the top towards an ever-expanding center course as an infinite list of integers starting with 1, 2, 12, 22, 212, 222, ...

Searching the On-line Encyclopedia of Integer Sequences, I found a related sequence, A094626. After the initial 0, all terms are identical apart from a permutation. In A094626, the digit 1 is located in the leftmost position, which would not look as beautiful.



Beauty & the Bricks (2020)

Analysis of Gilbreth sequences of brick pattern units