

OEIS Logo

A000055(6)=6: six trees on six nodes

A003035(11)=16: 11 trees in 16 rows of 3

A139250(6)=23: 23 toothpicks at 6th generation

Key to OEIS Foundation Poster

Meanders:
A005316

A000001: number of groups of order n
A000002: Kolakowski's sequence: $a(n)$ =length of n th run
A000005: number of divisors of n
A000010: Euler totient function
A000031: number of 2-colored necklaces with n beads

Kobon triangles:
A006066(10) \geq 25

Necklaces:
A000031(5)=8

A000041: number of partitions of n
A000045: Fibonacci numbers: $F(n) = F(n-1)+F(n-2)$
A000055: number of trees on n nodes
A000069: odious numbers (odd no. of 1s in binary)
A000105: number of polyominoes with n cells

A000105(5)=12:
polyominoes
with 5 cells

A000108: the Catalan numbers
A000110: the Bell numbers
A000326: pentagonal numbers $n(3n-1)/2$
A000670: preferential arrangements of n things
A001006: the Motzkin numbers

A003035: orchard problem: plant n trees in rows of 3
A003173: $Q(\sqrt{-n})$ has unique factorization
A005132: Recaman's sequence
A005316: No. of ways a river can cross a road n times
A006066: Max. no. of nonoverlapping triangles from n lines

A064413: EKG sequence
A087019: dismal squares
A090822: Gijswijt's sequence
A110312: Min. no. of pieces in dissection of n -gon to square?
A139250: toothpick sequence

First 10000 terms of
Recaman's
sequence A005132

A110312(3) = 4?
Conjectured minimal
dissection of triangle to square

First 100 terms
of EKG sequence
A064413

The pig illustrates
the Curling Number
Conjecture (see
A090822, A116909)

The OEIS was maintained
by Neil Sloane from 1965 to
2009

Poster created by David Applegate and Neil Sloane, September 2009. Four images were created by friends and are used with their permission. The Kobon triangles figure is from Alexandre Wajnberg, the Recaman plot is from Colin Mallows, the dissections were drawn by Vinay Vaishampayan and the photo of Neil Sloane was taken by Nadia Heninger.