

A0372

>So at each interior node the two daughters are either congruent
 >or differ by just one leaf. Now assign a 0 or 1 to each node,
 >(both interior and leaves), so that a 0 node can have only
 >daughters. a(n) is the # ways of doing this.
 >

From Think.COM!dougw Wed May 8 21:26:30 EDT 1991
 Subject: dedekind numbers

The number that I found was from the sequence that's 2 larger
 than the other sequence. I confess that I don't know what the smaller
 sequence means and would like to know. The number of monotone Boolean
 functions on n-variables is what I consider to be the n-th Dedekind number.
 There is a sequence of slightly smaller numbers.

1,2,9,114,6894,7785062,2414627396434,56130437209370320359966

This should be the repeated differences of the Dedekind sequence,
 giving the number of monotone functions actually depending on all n
 variables, the first number being for n=1.

I think your book is useful, just the other day we were wondering about
 self-avoiding walks on a square lattice and I suggested that people
 look in there for some of the related sequences.

In a few days I will be sending out a benchmark involving backtracking
 and simulated annealing. The problem is related to finding cyclic
 difference covers and serves to get my feet wet on our new product.
 --- dougw.

From bw Wed May 15 10:24:12 EDT 1991
 Status: R

great! just make sure that it works -- i would hate to be
 known as the person who made your book come out in random
 order...

actually, when you get to the stage that you need proofreading,
 let me know -- mi would be happy to skim, and i'll bet my son
 would be too. he's really good at spotting weird stuff.

From mipsmath.math.uqam.ca!plouffe Mon May 20 1:37:35 EDT 1991
 Received: by gauss; Mon May 20 01:37:56 EDT 1991
 Received: by inet.att.com; Mon May 20 01:37 EDT 1991
 Received: by mipsmath (5.61/1.34)
 id AA18672; Mon, 20 May 91 01:37:36 -0400
 From: plouffe@mipsmath.math.uqam.ca (Simon Plouffe)
 Message-Id: <9105200537.AA18672@mipsmath>
 Subject: indirect references.
 To: njas@research.att.com
 Date: Mon, 20 May 91 1:37:35 EDT
 X-Mailer: ELM [version 2.2 PL14]
 Status: R

Hi good to hear from you !!
 I did some work on indirect references of your book.
 I mean by that all the articles published in the past 18 years
 that have your book in reference.
 Usually, but not always, these articles refers to sequences.