

Re: Cheque clearing

Source: <http://sci.tech-archive.net/Archive/sci.math.num-analysis/2004-06/0474.html>

From: Peter Hucker (hucker_at_clara.co.uk)

Date: 06/28/04

Date: Mon, 28 Jun 2004 15:20:20 +0100

On Mon, 28 Jun 2004 09:43:20 +0100, Dave <recneps.w.divad@elcaro.moc> wrote:

>

>

> *Peter Hucker wrote:*

>> *Is there an easy way to work out what cheques have cleared and what*

>> *haven't? For example this is the latest part of my online banking*

>> *statement <http://www.hucker.plus.com/temp/statement.jpg>, and I'm told*

>> *that the available balance is £100.32 lower than the account balance*

>> *(which means £100.32 of paid ins minus paid outs have not cleared). Can*

>> *anyone see what matches £100.32 in the picture? If so how do you do it?*

>>

>> *And no the bank have no idea what's cleared or not, I asked them.*

>>

>

> *There are 18 entries in the list. Match each entry to a bit in an*

> *18-bit number (e.g. 29.99 corresponds to bit 0).*

> *Count from 1 to $2^{18}-1$, and add up the entries for which the*

> *corresponding bit in the count variable is 1. (Count paid-in as*

> *positive and paid-out as negative.)*

>

> *If the sum is 100.32 then you know which items have cleared and which*

> *haven't.*

> *If you're optimistic about multiple solutions, bail out. If not, don't.*

> *Shouldn't take too long to run on a modern computer.*

Now that's much less clumsy than the way I was trying to tackle it! Thanks!

When using computers, think binary (slaps self in face).

--

13 parrots and rising <http://www.petersparrots.com>

93 silly video clips <http://www.insanevideoclips.com>

1259 digital photos <http://www.petersphotos.com>

Served from a watercooled dual 3.2GHz silent Athlon with 512GB of watercooled Raid.

A man walks into a bar with a slab of asphalt under his arm and says, "A beer please, and one for