

Forum:[Hack Forums](#)

Thread: [\[Pre-Release\] Improved Sudoku-Solver](#)

White Light - September 22, 2014, 8:59 pm

So I can't remember if I released my original sudoku solver or if it just ended up being erased on one of my HDDs, but I'm currently in the process of creating a pretty advanced one.

V2 (what I have already done), works on easy-medium difficulty, maybe even some hard ones. Kinda buggy, a bit slow.

However, it includes the most fundamental techniques for solving sudoku puzzles: Naked Singles

Hidden Singles
Lines

Columns

Boxes

Naked Pairs
Lines

Columns

Boxes

One thing that I completely overlooked is something that seems pretty obvious to me now that I think of it - the guess-and-check method, brute force guessing. I mean, when people get sudoku books with super crazy difficult puzzles, how are they supposed to solve them after they've attempted the above 3 techniques? Yeah, there are other very advanced solving techniques, but those are pretty intense just to try and understand what is going on, let alone do it on paper (and forget about coding it ?).

Basically, when I release the solver it will include all of the above and recursive guessing. Technically speaking, it should be able to solve just about any possible sudoku given enough time using guessing alone (duh, but at 5472730538 possible solutions, it would be obscenely slow), but using the above plus guessing should be relatively quick.

I won't be posting V2, simply because V3 will actually work on more puzzles than V2 does currently.

Really, this is just a teaser of what I'm working on. I should be done it...fairly quick?...so prepare yourself [\(Click to View\)](#)

[img]http://media-cache-ec0.pinimg.com/736x/47/9d/96/479d965bd49a29c86071409f2fc9e7a1.jpg[/img]

Trisomy 21 - September 22, 2014, 9:42 pm

Is there a reason you are making things like this in batch rather than a language with standard lib and more advanced data structures?

White Light - September 22, 2014, 9:47 pm

(Sep 22, 2014 09:42 PM)Trisomy 21 Wrote: [\[CITE\]](#) Is there a reason you are making things like this in batch rather than a language with standard lib and more advanced data structures?

Challenge, I guess. It's fun trying to come up with ways of doing things in such a weak language that would be far simpler to do in any other.

Johnny Cache - August 24, 2016, 4:20 am

Whats the Status, Whitey? Have you finished what you begun?

gogglebot - August 25, 2016, 7:06 am

Wow, gravedigger much, however I'd like to see this too if he still has it, but I haven't seen him here for a while