The New Sudoku Players' Forum ي.Search... Sponsored by Enjoy Sudoku The hardest sudokus (new thread) Search POSTREPLY ∠ ... Search this topic... 1330 posts • Page 5 of 89 • 1 2 3 4 5 6 7 8 ... 89 QUOTE Re: The hardest sudokus (new thread) 2017 Supporter by champagne » Mon Aug 23, 2010 5:11 pm Posts: 7269 Joined: 02 August 2007 Location: France Brittany **66** ronk wrote: **66** champagne wrote: To-day, you get the final result in about 4 hours (on my computer). Since I'm an engineer, statements like that make my hair stand up. We Everyone, is it too much to ask that execution times be normalized to ... 'T' Ghz-sec? Then the rest of us could estimate execution times on our computers by dividing 'T' by our CPU clock rate. \*You are surely right, but I guess most of us have a computer with a clock around 3MGH, so the order of magnitude should not change that much. To be as precise as possible, I have a portable PC under vista with a double core and a clock of 2.4 GHZ (32 bits registers) The rating was run with others programs, so the overall time could be influenced by other tasks. Anyway, the 4 hours is a rough estimate. Could be 3 (small chances), could be 5 as well. champagne "QUOTE Re: The hardest sudokus (new thread) □ by **m\_b\_metcalf** » Tue Aug 24, 2010 6:52 am **66** champagne wrote: m\_b\_metcalf 2017 Supporter 66 m\_b\_metcalf wrote: Posts: 13227 It was 'only' 11.4 back then. I peaked early. Joined: 15 May 2006 Location: Berlin This puzzle is likely the highest known rating for SE. Gosh, if true, that would make me the reigning World SE Champion! 66 BTW, I tried to find a start for the pattern game using that pattern, but I failed. I tried that too. I went back to the original pattern, as an exercise using my current s/w, rather than the antiques back then, and found a diamond and a few others you might like for your collection. CODE: SELECT ALL 100000002030400050006000700080203000000070000000508040007000600050009080200000001 ED=10.4/10.4/10.4 10000000203040005000600070004060300000002000000508090007000100080009030200000006ED=10.5/10.5/10.4 10000000203040005000600070004080300000001000000506090007000600080009030200000001ED=10.6/10.6/10.4 100000002030400050006000700040603000000020000000508090007000600080009030200000001ED=10.7/10.7/10.4 Of course, if JPF's brilliant pattern were presented in a Patterns Game today, the 11.8 would never be found and investigated. Regards, Mike Metcalf QUOTE Re: The hardest sudokus (new thread) 2017 Supporter by champagne » Tue Aug 24, 2010 7:59 am Posts: 7269 Hi mike, Joined: 02 August 2007 Location: France Brittany I did not work on that pattern specifically to find high rating, but looking for a game start, I got also that one CODE: SELECT ALL 9.....5.7...4.1...3...8....2.7.4....3....1.6.....8...3...6.1...7.5......9 ED=10.8/10.8/3.4 I will check if some of your 4 are in the general search I am doing, but I am not ready for a quick answer. As far as I can see, nearly all puzzles generated with that pattern have the SK loop. All in your lot have it. champagne "QUOTE Re: The hardest sudokus (new thread) coloin □ by **coloin** » Tue Aug 24, 2010 9:57 am Posts: 2225 Joined: 05 May 2005 CODE: SELECT ALL Location: Devon Rating: 11.9 (ER/EP/ED=11.9/11.9/11.3) Poster: tarek Label: golden nugget They all have the SK loop because the 16-clue base [without the central box with 4 clues] - inherently tends to have a low solution count - because some eliminations can be made with just those 16 clues..... Puzzles which dont have a relatively low solution count with a selection of 16-clues - dont have the SK loop. But if you dont have the low solution count - there are fewer ways to add a few clues to make a puzzle. С QUOTE Re: The hardest sudokus (new thread) champagne 2017 Supporter □ by **champagne** » Tue Aug 24, 2010 11:19 am Posts: 7269 Joined: 02 August 2007 66 coloin wrote: Location: France Brittany CODE: SELECT ALL Rating: 11.9 (ER/EP/ED=11.9/11.9/11.3) Poster: tarek Label: golden nugget They all have the SK loop because the 16-clue base [without the central box with 4 clues] - inherently tends to have a low solution count - because some eliminations can be made with just those 16 clues..... Puzzles which dont have a relatively low solution count with a selection of 16-clues - dont have the SK loop. But if you dont have the low solution count - there are fewer ways to add a few clues to make a puzzle. С I agree on Golden Nugget rating. I had it, but I did not keep in ming the results, may-be because I was impressed by the "relative poor rating" for Silver Plate: ED=11.5/11.5/10.1 Regarding the SK loop, I have another way to look at it. All examples of the SK loop I analyzed have a common piece of pattern: - four given forming a rectangle in four boxes - all cells in rows/columns/boxes for this rectangle unknown. If you have that piece of pattern, then, you have a reasonable chance to find a SK loop. champagne "QUOTE Re: The hardest sudokus (new thread) by **m\_b\_metcalf** » Tue Aug 24, 2010 11:24 am **66** coloin wrote: CODE: SELECT ALL Posts: 13227 Rating: 11.9 (ER/EP/ED=11.9/11.9/11.3) Joined: 15 May 2006 Poster: tarek Label: golden nugget Location: Berlin So. tarek has the Title! Congrats. Mike Metcalf Last edited by m\_b\_metcalf on Tue Aug 24, 2010 11:33 am, edited 1 time in total. "QUOTE □ by **Pat** » Tue Aug 24, 2010 11:31 am **66** champagne wrote: I did not work on that pattern specifically to find high rating, but looking for a game start, I got also --Posts: 3977 Joined: 18 July 2005 CODE: SELECT ALL 9.....5.7...4.1...3...8.....2.7.4.....3....1.6.....8...3...6.1...7.5......9 ED=10.8/10.8/3.4 As far as I can see, nearly all puzzles generated with that pattern have the SK loop. looking for a game start? so now, the challenge is to find an <u>easy</u> puzzle with this pattern? perhaps this should go in another Topic --**Intrinsically Difficult Patterns** QUOTE Re: The hardest sudokus (new thread) □ by **m\_b\_metcalf** » Tue Aug 24, 2010 2:15 pm **66** champagne wrote: 2017 Supporter ... looking for a game start, I got also that one CODE: SELECT ALL Joined: 15 May 2006 9.....5.7..4.1..3..8....2.7.4....3....1.6.....8...3...6.1...7.5......9 ED=10.8/10.8/3.4 Location: Berlin And there are these too: CODE: SELECT ALL 1.....2.3...4.5...6...7.....8.3.4.....6.....5.9......7...6...8.5...3.2.......1 ED=10.7/10.7/3.4 1.....2.3...4.5...6...7....5.3.4....1....8.9.....7...6...9.8...3.2......1 ED=11.6/11.6/3.4 Regards, Mike Metcalf 0 "QUOTE Re: The hardest sudokus (new thread) by **ab** » Sun Aug 29, 2010 12:25 pm Posts: 451 Joined: 06 September 2005 The Guardian published this puzzle this week: http://www.guardian.co.uk/media/2010/au ... ed-picture I don't know if it's one of yours, or how it compares! QUOTE Re: The hardest sudokus (new thread) 2017 Supporter by champagne » Sun Aug 29, 2010 1:16 pm Posts: 7269 Joined: 02 August 2007 **66** ab wrote: Location: France Brittany The Guardian published this puzzle this week: 6 http://www.guardian.co.uk/media/2010/au ... ed-picture I don't know if it's one of yours, or how it compares! 1) that puzzle was not in my data base. 2) In a pattern game (that could not happen due to the fact that the puzzle has not the symmetry requirements), i would likely have rated it. 3) The SE rating for that puzzle is 10.6 1.2 1.2 which is not bad 4) it has no special pattern (SK loop, EXOCET) and I found no rank0 logic 5) seen by my solver it enters level 3 of tagging both run time and print size put it limit down to enter the family of hardest. The most difficult step uses 3 cycles of derived links Surely an interesting puzzle for skill players as "ttt" or stevek champagne ٥ "QUOTE Re: The hardest sudokus (new thread) 2012 Supporter □ by **ronk** » Sun Aug 29, 2010 1:36 pm Posts: 4764 Joined: 02 November 2005 66 ab wrote: Location: Southeastern USA The Guardian published this puzzle this week: http://www.guardian.co.uk/media/2010/au ... ed-picture I don't know if it's one of yours, or how it compares! Not in my database either, so it's probably not a puzzle previously known to this forum. "QUOTE Re: The hardest sudokus (new thread) 2014 Supporter 🗋 by **gsf** » Sun Aug 29, 2010 2:34 pm Posts: 7306 Joined: 21 September 2005 **66** ab wrote: Location: NJ USA The Guardian published this puzzle this week: http://www.guardian.co.uk/media/2010/au ... ed-picture I don't know if it's one of yours, or how it compares! google Arto Inkala hardest sudoku looks like Arto has a 15-minutes-of-fame generator and the media bites every time 0 QUOTE Re: The hardest sudokus (new thread) 999\_Springs □ by **999\_Springs** » Mon Aug 30, 2010 7:39 pm Posts: 585 Joined: 27 January 2007 Strange how Arto Inkala's puzzles get a lot of attention from the media whereas none of the other puzzles in this thread do. I wonder how much the media paid for it. Location: In the toilet, flushing down springs, one by one. 0 QUOTE Re: The hardest sudokus (new thread) champagne 2017 Supporter by champagne » Mon Aug 30, 2010 8:47 pm Posts: 7269 Joined: 02 August 2007 66 999 Springs wrote: Location: France Brittany Strange how Arto Inkala's puzzles get a lot of attention from the media whereas none of the other puzzles in this thread do. I wonder how much the media paid for it. most surprising is that somebody can claim to have found "the hardest puzzle" publishing something similar to what each of the pattern game players generates every week. The "hardest puzzles" published in that forum have been found 2 or 3 years ago !!!! They are about ten times harder than that one. champagne "QUOTE Re: by Mauricio » Wed Sep 15, 2010 3:00 am Posts: 1175 Joined: 22 March 2006 **66** Pat wrote: **66** champagne wrote: I did not work on that pattern specifically to find high rating, but looking for a game start, I got also --9.....5.7..4.1...3...8....2.7.4....3....1.6.....8...3...6.1...7.5.....9 ED=10.8/10.8/3.4 As far as I can see, nearly all puzzles generated with that pattern have the SK loop. looking for a game start? so now, the challenge is to find an <u>easy</u> puzzle with this pattern? perhaps this should go in another Topic --**Intrinsically Difficult Patterns** Here are two possible starts, though it would not be an interesting game. CODE: SELECT ALL 1.....2.3...4.5...2...6....6.2.4....7....5.8.....6...4...8.3...7.2......1
1.....2.3...4.5...2...6...6.7.8....3....9.2.....6...9...4.9...3.7......1 Display posts from previous: All posts ✓ Sort by Post time ✓ Ascending ✓ Go Previous Next > 1330 posts • Page 5 of 89 • 1 2 3 4 5 6 7 8 ... 89 POSTREPLY ⊭ Return to General Jump to: General **∨** Go Powered by phpBB® Forum Software © phpBB Group PHPBB SEO.COM