GAS Leak

Genuinely Approachable Sudoku from the CtC Discord

Volume 48:

January 1 – January 31, 2025

Welcome to January and the New Year!

We got a full month of GAS puzzles for you, one better than the other. All in all there's 33 puzzles – including two doubles and als including some with Negative Constraint.

Have fun solving!

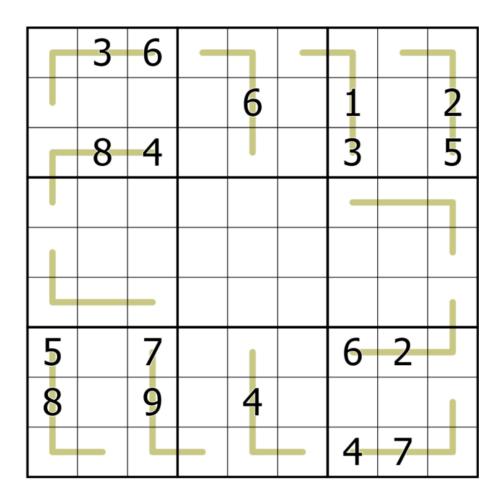
January 1, 2025: Antirenban

by clover!

Walkthrough for Philip's "Flight to the Four": https://youtu.be/23IYuZKLUW0

Happy 2025, friends! My New Year's resolution is to set a sudoku. Ah, there we go, we've got that one taken care of. Now to rest on my laurels for the remainder of the year. By the way, until I was well into adulthood, I always thought that 'laurels' were a type of particularly comfortable chair.

Today's **GAS** is an **antirenban sudoku!** Normal sudoku rules apply. Lines must not contain any repeated or consecutive digits. For instance, a line could contain 257, but not 256 or 255.



SudokuPad: https://sudokupad.app/56pq2tl5q6

January 2, 2025: Nabner Lines

by Bill Murphy

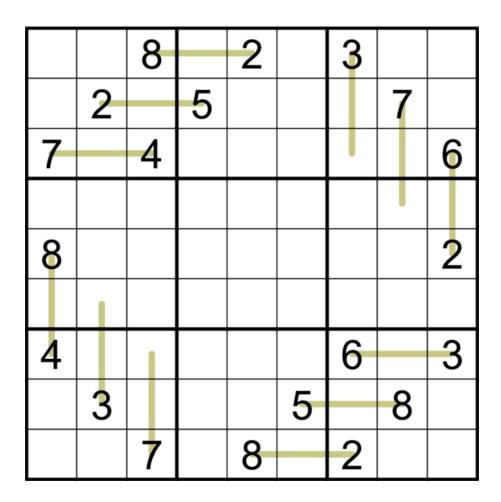
Walkthrough for Anti-Renban: https://youtu.be/o_iiaxVrpHA

Happy New Year GAS fam! I fell asleep at 11:20, woke up at 12 at the sound of fireworks, wished my partner a happy new year and took about 10 minutes to calm down, then fell asleep again.

In the morning I woke up and went "Oh so that's what it's like to be a dog"

Today's GAS is a **Nabner Line Sudoku!** This is completely different to Anti-Renban Sudoku.

Normal Sudoku Rules Apply. Along green lines, digits may not repeat and consecutive digits may not appear.



https://sudokupad.app/ghtic0mwad

January 3, 2025: The Fellowship of the Ring by Philip Newman

Walkthrough of "Nabner Lines" by Bill: https://youtu.be/RuP0z7lpaSc

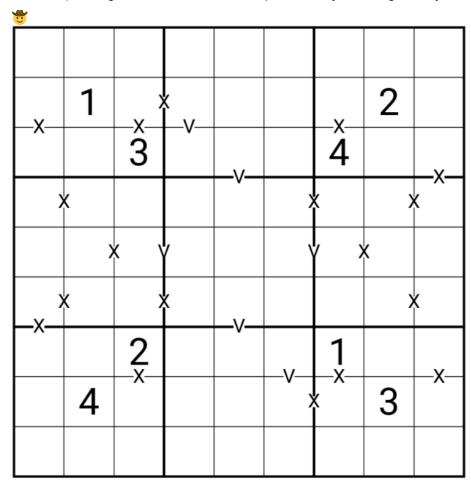
A quick announcement before today's puzzle: @Peas eggs [122xO,6xChamp] is looking for testers, specifically for younger age categories (U10/U12); if you have kids who are getting into sudoku and might be interested in testing some puzzles over the next week, send him a DM for more details!

We made it through Book 1 of The Lord of the Rings, but today happens to be Tolkien's birthday so of course I had to do something for that. See if you can figure out why I named it what I did. >_>

Today's GAS is an XV Pairs Sudoku!

Normal sudoku rules apply.

XV Pairs: Digits in cells separated by a 'V' must sum to 5; digits in cells separated by an 'X' must sum to 10. (No negative constraint - other pairs of adjacent digits may sum to 5 or 10.)



Play on SudokuPad: https://sudokupad.app/philip-newman/20250103-the-fellowship-of-the-ring Play on f-puzzles: https://f-puzzles.com/?id=2yubx4r3

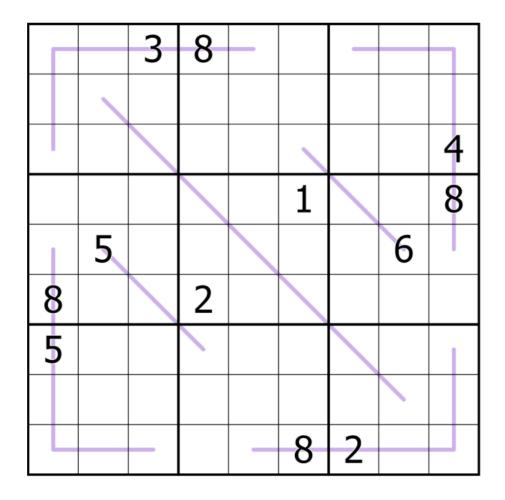
January 4, 2025: Zipper Lines

by clover!

Walkthrough for Philip's "Fellowship of the Ring": https://youtu.be/CsbWU4EhTus

If you went to my elementary school, you're definitely aware that XYZ stands for "examine your zipper". But today's sudoku isn't an xyz sudoku - that's a completely different, much more terrifying thing. Instead, we have **zipper lines**!

Normal sudoku rules apply. Along each line, every pair of digits that are equidistant from the center of the line has the same sum. The value of that sum is the digit in the very center of the line. For instance, r1c2 = r1c1 + r1c3 = r1c4 + r2c1, etc.



SudokuPad: https://sudokupad.app/2nnlhao8xm

January 5, 2025: Resist The Urge/TV Off (Double Sudoku) by Bill Murphy

walkthrough for zipper lines: https://youtu.be/6MkDVNNh4vo

hey i learned to use a sewing machine this weekend and also i have an interview for a truly dream job on wednesday (what i'm doing now, with more responsibility, more flexibility, more cred and a truly disgusting pay bump)

but none of that matters right now because it is 11:41 pm on a sunday and it is 28 degrees outside (that's 82 degrees if you enjoy being wrong) and i am melting

two classics!

Put the digits 1-9 in each box, row and column.

8			4				
	6	2			3	1	
	3	1	9		7	5	
			6		9		2
5		7		8			
	2	9		6	1	4	
	1	4			5	8	
_				3			7

Resist The Urge: https://sudokupad.app/k8izf4y5q5

 $\downarrow\downarrow\downarrow\downarrow$ (The second puzzle is on the next page) $\downarrow\downarrow\downarrow\downarrow$

Put the digits 1-9 in each box, row and column.

8	6					2	7
5							8
		2	3	4	5		
		1	7	5	6		
		4	8	3	9		
		5	6	7	8		
7							5
2	3					4	1

TV Off: https://sudokupad.app/2rhey6eygt

[Typsetters Note: The times given in the table near the end is for the pair combined]

January 6, 2025: And Now For Sumthing...

by Philip Newman

Walkthrough of "Resist The Urge" and "TV Off" by Bill: https://youtu.be/PY61rK8Tz_c

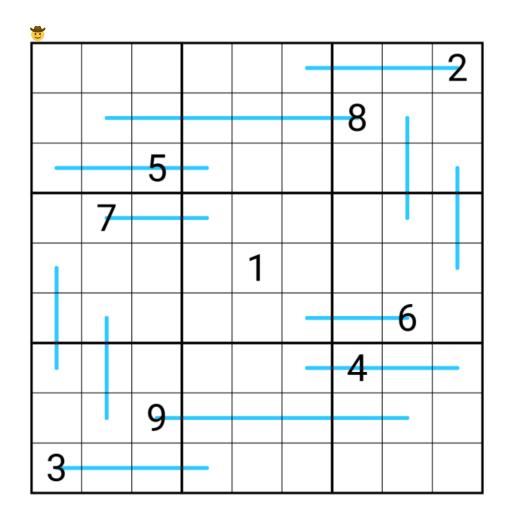
And now for something completely different...

You already did a Monty Python thing, Philip. And the 'sumthing' pun. Many times. Ladies and gentlemen, we apologize that the intro wasn't as long as we had anticipated. Therefore, there will be a short interval. In the meantime...

Today's GAS is a Region Sum Lines Sudoku!

Normal sudoku rules apply.

Region Sum Lines: Along each line, the digits in every region it passes through have the same sum.



Play on SudokuPad: https://sudokupad.app/philip-newman/20250106-and-now-for-sumthing Play on f-puzzles: https://f-puzzles.com/?id=2xpelywf

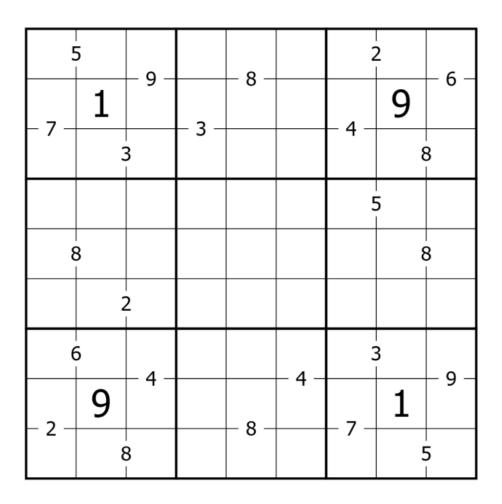
January 7, 2025: Sum or Greater

by clover!

Walkthrough for Philip's "And Now For Sumthing...": https://youtu.be/bfPXfDqpNWA

Hey friends, do you remember the time I spent four straight rounds posting every possible variation on "sum/difference or less/greater"? The distressed letters are still trickling in at GAS HQ, and it's been... *checks calendar* it's been a while. But don't worry, despite appearances, we aren't doing that again. Today's GAS is a **sum or greater sudoku**!

Normal sudoku rules apply. A clue appearing between two cells, tells you EITHER the sum of the digits in those two cells, or the greater of the two digits in those cells.



Penpa+: https://tinyurl.com/28vwarma
SudokuPad: https://sudokupad.app/24zhxatww7

January 8, 2025: Zipper Lines

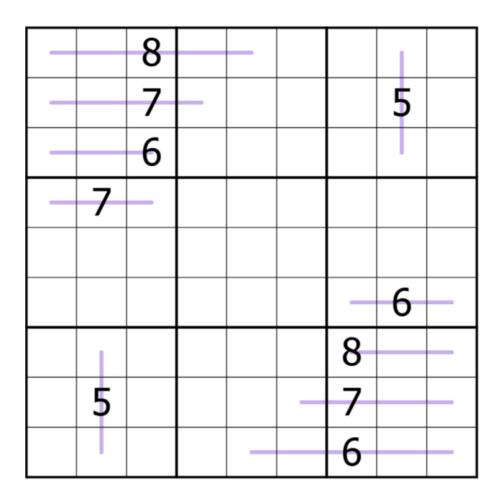
by Bill Murphy

Walkthrough for Sum or Greater: https://www.youtube.com/watch?v=uAWVexSAKsE

Today's got an odd little twist on a variant we did recently! A **zipper line sudoku** with even lines! This is also my first Zipper line puzzle! So let's get into it!!!

Normal Sudoku Rules Apply. Digits equal distance apart from the center of a purple line have the same sum. If the line is an odd length, digits equal distance from the center have a sum equal to the center cell.

N.B. So if you've only seen Zipper Lines from GAS, a three cell line could look like 2 8 6 because 2+6=8, a four cell line however could look like 1 2 8 9, because 1+9=2+8



https://sudokupad.app/o69mgomyo8

January 9, 2025: 3-Digit Killer

by clover!

Walkthrough for Bill's "Zipper Lines": <a href="https://www.youtube.com/watch?v="nttps://watch?v="ntt

It's that time of year again: the Sudoku Grand Prix starts this weekend! Get ready to sharpen your pencils and panic while you discover that your printer is broken five minutes after clicking the start button - and get a little bit of extra practice with this **3-digit killer sudoku**. Details here: https://gp.worldpuzzle.org/content/sudoku-gp

Normal sudoku rules apply. Digits in cages do not repeat. The marked 3-digit numbers (gray rectangles, read from left to right) in each cage must sum to the indicated total. (In this puzzle, all totals equal 1000).

8	1000				9	2	7
2				1000			5
1	9	7					3
1000							
					1000		
7	1000				6	9	1
6				1000			2
9	3	2					8

SudokuPad: https://sudokupad.app/uvzlpx3x3r

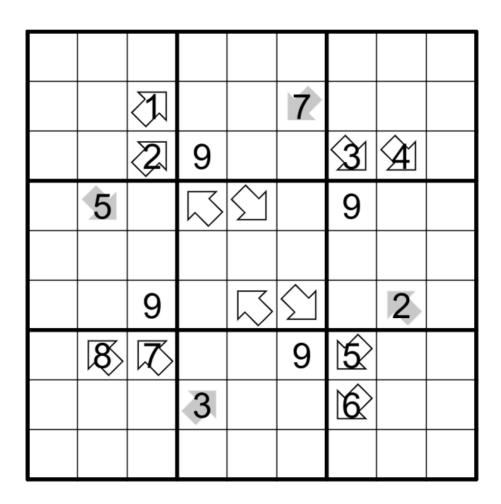
January 10, 2025: Dead or Alive Arrows II

by Bill Murphy

Walkthrough for Three-Digit Killer: https://youtu.be/dPAzab_ff0c

it's 1:30am, perfect schroedinger hours for a dead or alive arrow sudoku!

Normal Sudoku Rules Apply. Digits in cells containing white arrows must appear in the given direction. Digits in cells containing grey arrows must not appear in the given direction.



https://sudokupad.app/k95e7wv6ah

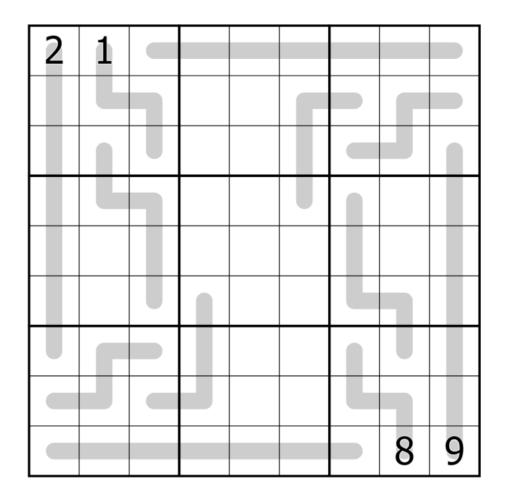
January 11, 2025: Creasing Sudoku

by clover!

Walkthrough for Bill's "Dead or Alive Arrows II": https://youtu.be/Qd ZoPnFwtQ

Today's GAS is a **creasing sudoku**! That's what you get when you take a sudoku and fold it into an origami crane. By the way, anybody who actually takes this sudoku and folds it into an origami crane, with proof, will receive a bonus hat.

Normal sudoku rules apply. Along each gray line, the digits must either always increase, or always decrease. For instance, 13567 is a valid line, as is 76531, but 14267 is not.



SudokuPad: https://sudokupad.app/bxsa426nru

January 12, 2025: Count Different Sudoku

by Bill Murphy

Walkthrough for Creasing Tomorrow

I'm running a brutal fever but the puzzles must flow

Today's GAS is a **Count Different** Sudoku!

Normal Sudoku Rules Apply. Digits in the top left of cages give the number of different digits in the up to 10 surrounding cells in the cage.

					2			
	1					6		7
	2	4			9			
	3 4			6				
1	4						5	
				3		4	6	
		9					7	
2		3					8	
			7					

https://sudokupad.app/5qrluctcr8

January 13, 2025: Knowing the Ropes

by Philip Newman

Walkthrough of "Count Different Sudoku" by Bill: https://youtu.be/bBm8ZupjrRQ

Walkthrough of "Resist The Urge" and "TV Off" by Bill (Jan 5): https://youtu.be/PY61rK8Tz_c

In case anyone was concerned about my absence, I was on a work trip last week... which of course means I set today's puzzle mostly with pen and paper.

Today's **GAS** is a **Classic Sudoku**!

Normal sudoku rules apply. And that's it!

						7		
			4	5	6	2		
1	2	3				6		
	3			2			1	
	7		3		4		5	
	5			1			9	
		2				9	6	3
		9	2	8	5			
		4						

Play on SudokuPad: https://sudokupad.app/philip-newman/20250113-knowing-the-ropes Play on f-puzzles: https://f-puzzles.com/?id=24dj6fpq

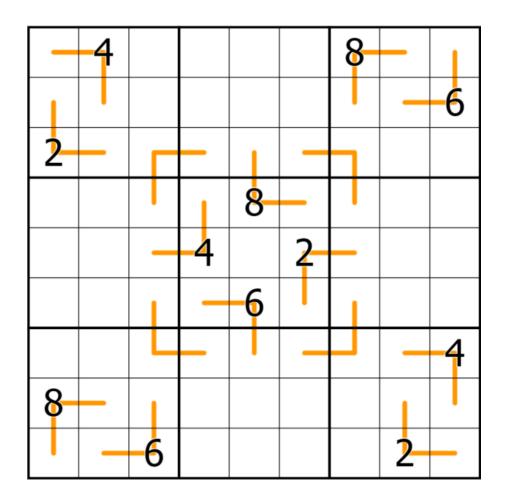
January 14, 2025: Dutch Whispers

by clover!

Walkthrough for Philip's "Knowing the Ropes": https://youtu.be/Pr3p8silLAs

Good morning, friends! Today's GAS is a **Dutch whispers sudoku**. That's what you hear around the Netherlands during the month of January, while everyone is still hoarse from the New Year's celebrations.

Normal sudoku rules apply. Along each orange line, adjacent digits must have a difference of 4 or more.



SudokuPad: https://sudokupad.app/e1m3ipgvs1

January 15, 2025: Diagonal Tens Sudoku

by Bill Murphy

Walkthrough for Creasing: https://youtu.be/A66JEk06vks

Walkthrough for Dutch Whispers: https://youtu.be/YoaQBmGBv9E

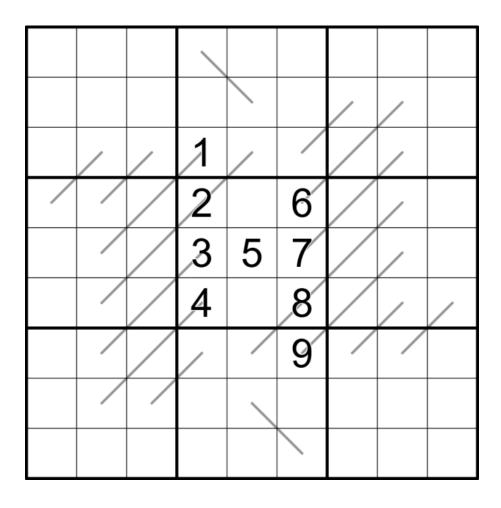
still sick, looking worse but feeling better (gonna be ok to celebrate my birthday tho so that's good)

Today's GAS is a **Diagonal Tens (-)** Sudoku!!

Oh yeah baby, it's time for that sweet sweet <u>Solution</u> <u>NEGATIVE CONSTRAINT ALERT</u> <u>Solution</u> This one's particularly dangerous IMO for forgetting the negative constraint, so don't say I didn't warn you!!

Normal Sudoku Rules Apply. Two cells connected by a diagonal line have a sum of 10. All lines are given.

(If multiple cells are connected by a diagonal line, each pair of cells must sum to 10)



https://sudokupad.app/zwrpf8zbcm

January 16, 2025: Jenga

by Philip Newman

Walkthrough of "Diagonal Tens Sudoku" by Bill: https://youtu.be/xkAUgCtCXD0

Today's **GAS** is a **Killer Sudoku**!

Normal sudoku rules apply.

Killer: Digits in cages cannot repeat and must sum to the total given.

**							
		4		12			
20				7		2	
	3	5		13			
4	21				8		
		6	5	14******			
22				9			6
		7		15		7	
	8				10		
		8		16			

Play on SudokuPad: https://sudokupad.app/philip-newman/20250116-jenga
Play on f-puzzles: https://f-puzzles.com/?id=2cdeyyb8

January 17, 2025: German Whispers

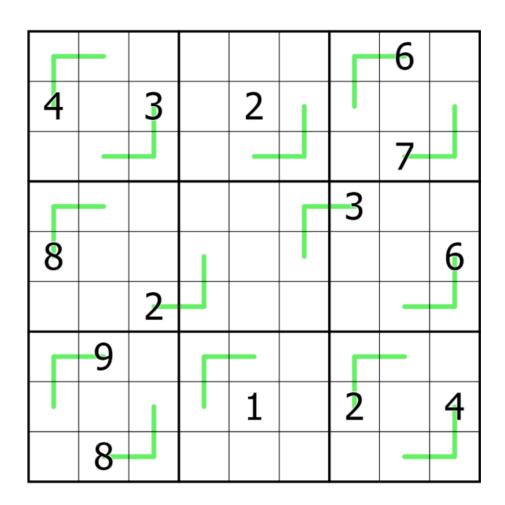
by clover!

Walkthrough for Philip's "Jenga": https://youtu.be/Ht47udrtBfQ

The GAS complaint department has had quite a few communications from Germans over the last three days; hopefully this puzzle will mollify them after I set them aside for the Dutch in my last puzzle!

Uh, sorry I mean,

Today's GAS is a **German whispers sudoku**. Normal sudoku rules apply. Along each green line, adjacent digits differ by at least 5.



SudokuPad: https://sudokupad.app/bi8ozxvea5

January 18, 2025: Darling of the Diskotheque by Bill Murphy

walkthrough for german whispers: https://youtu.be/LLSIrCy-H38

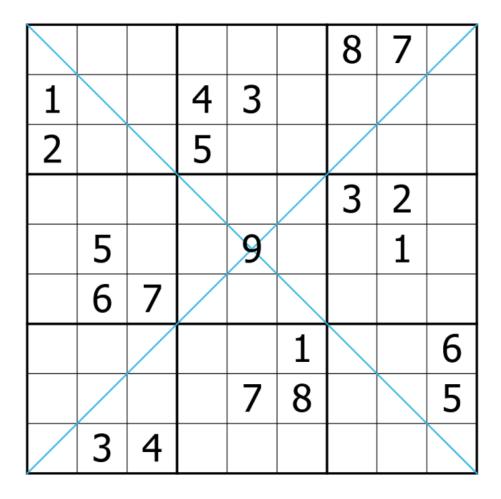
gonna be real with you, i've been pretty violently ill most of this week and self-isolating and haven't physically seen anyone i care about for more than 10 minutes in a week, and I don't have any actual GAS in the tank, so the next couple from me are probably gonna be a touch harder than normal, w/v. generous hat times until i can find some energy for this

i'm just trying to get better before my birthday, that's the priority rn



Today's GAS is an **X sudoku**!

Place the digits 1-9 in each row, column, box and indicated diagonal.



https://sudokupad.app/f1m4cc13jx

January 19, 2025: Turbine

by Philip Newman

Walkthrough of "Darling of the Diskotheque" by Bill: https://youtu.be/Eilb2yEwQa0

Walkthrough of "Diagonal Tens Sudoku" by Bill: https://youtu.be/xkAUgCtCXD0

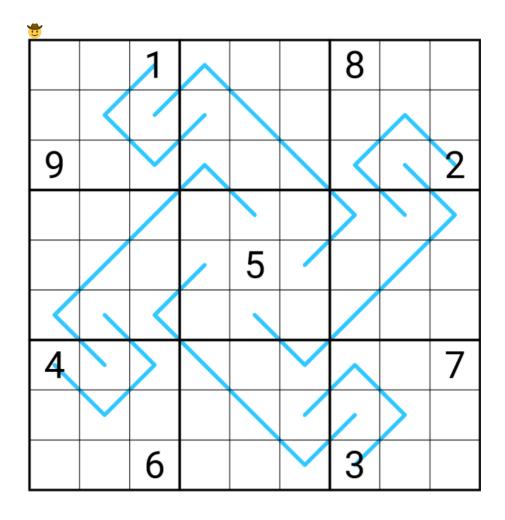
I'm a bit of a dysregulated mess at the moment, sorry for the slowness! At least today's puzzle is pretty?

Today's GAS is a Region Sum Lines Sudoku!

Normal sudoku rules apply.

Region Sum Lines: Along each line, the digits in every region it passes through have the same sum.

For example: r2c3 = r1c4 + r2c5 + r3c6 = r4c7 = r5c6



Play on SudokuPad: https://sudokupad.app/philip-newman/20250119-turbine
Play on f-puzzles: https://f-puzzles.com/?id=2xuzqvbz

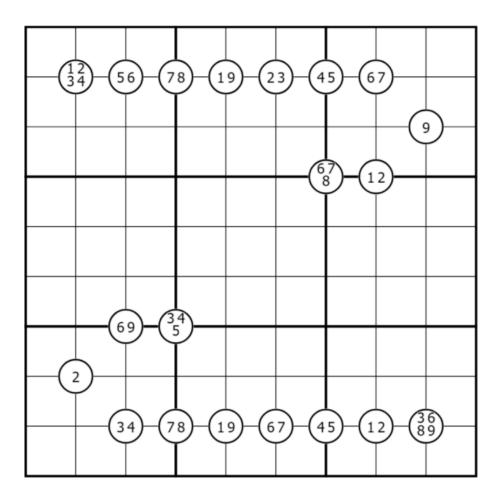
January 20, 2025: Quads

by clover!

Walkthrough for Philip's "Turbine": https://youtu.be/TXU_wOrWcFQ

I'm doing okay - just a little mentally exhausted from preparing for SudokuCon! By the way, have you bought your ticket yet? https://sudokucon.com/tickets if you'd like to hang out with me and Philip and a whole bunch of other cool sudoku enthusiasts in April.

Today's GAS is a **quadruples sudoku!** Normal sudoku rules apply. Digits in white circles must appear at least once in the four surrounding cells.



SudokuPad: https://sudokupad.app/e0axndgp61

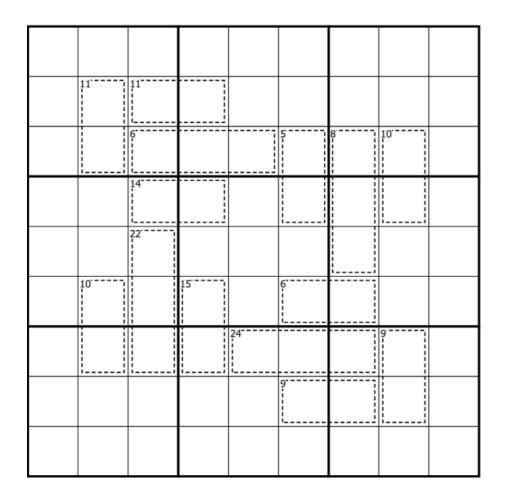
January 21, 2025: Pamphlets

by Bill Murphy

Walkthrough for Quads: https://youtu.be/l5yrEQqip8s

It's late, I turn 33 in an hour, this is a **Killer Sudoku** named after one of my favourite songs of the decade. this is my lil self-indulgence (i don't count purchasing Arcs as a self-indulgence, that's a necessity).

Normal sudoku rules apply. Digits in cages must sum to the given total and must not repeat.



https://sudokupad.app/q0w5gsv58x

2025-01-22: Revenge of the Vault

by Philip Newman

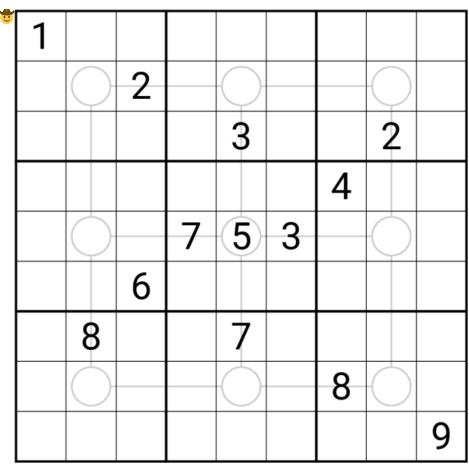
Walkthrough of "Pamphlets" by Bill: https://youtu.be/UhwtwJrLhgo

Bill suggested one part of today's puzzle might be a bit too spicy, so today we have another "Choose Your Own Difficulty" puzzle! The original version is shown. If you get stuck, there is a GAS 101 Hint pointing to where you should look, and I've also provided links to a version with those key cells filled with given digits in case you're just not in the mood for dealing with my nonsense today.

Today's **GAS** is a **Between Lines Sudoku!**

Normal sudoku rules apply.

Between Lines: Digits along a line must have values strictly between the values in the circles on the ends of that line.



Original: Play on SudokuPad: https://sudokupad.app/philip-newman/20250122-revenge-of-the-vault Play on f-puzzles: https://f-puzzles.com/?id=2auyzuv4

GAS 101 Hint: [see Hints page at the end of this document]

Extra Givens: Play on SudokuPad:

https://sudokupad.app/philip-newman/20250122-revenge-of-the-vault-v2 Play on f-puzzles: https://f-puzzles.com/?id=22rfbna4

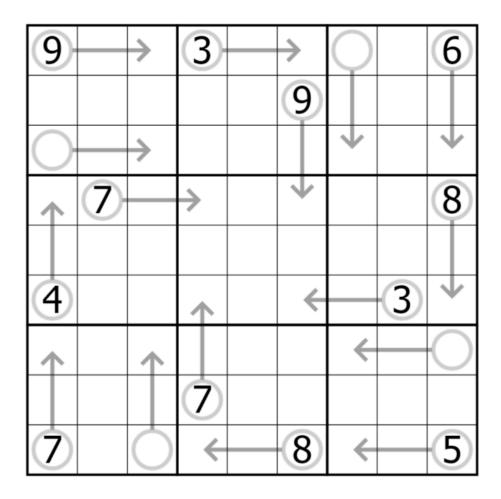
January 23, 2025: Arrow

by clover!

Walkthrough for Philip's "Revenge of the Vault": https://youtu.be/W_PYHFM3WDQ

Good morning! Have you bought your SudokuCon tickets yet? I'm going to keep bothering you about it (https://sudokucon.com/tickets) until every last one of you has a ticket in hand, with proof. Bonus hats for ticket purchasers! I'm definitely not posting this now because the planning team has a meeting in four hours where I'll probably get some kudos for convincing you to buy tickets this week.

Today's GAS is an **arrow sudoku!** Normal sudoku rules apply. Also, digits along arrows must sum to the value in the attached circle.



SudokuPad: https://sudokupad.app/mhejt12hl4

January 24, 2025: Chum

by Bill Murphy

Walkthrough for Arrows: Soonish

I think technically this is my first warehouse rave? But it's a weirdly upscale one, Melbourne is weird

Today's GAS is a XV (-) Sudoku!!

Oh yeah baby, 🚨 🚨 **Negative Constraint Alarm** time!

Normal Sudoku Rules Apply. Orthogonally adjacent digits may not sum to 5 or 10.

		3			5		
	1					2	
7							9
			7				
				4			
6							3
	3					4	
_		8			9		

https://sudokupad.app/b4xioacxn9

2025-01-25: Mr. Pointy

by Philip Newman

Walkthrough of "Chum" by Bill:

https://youtu.be/nB-JExf3m_o (thanks @clover?!)

Maybe a warehouse rave is what I need right now.

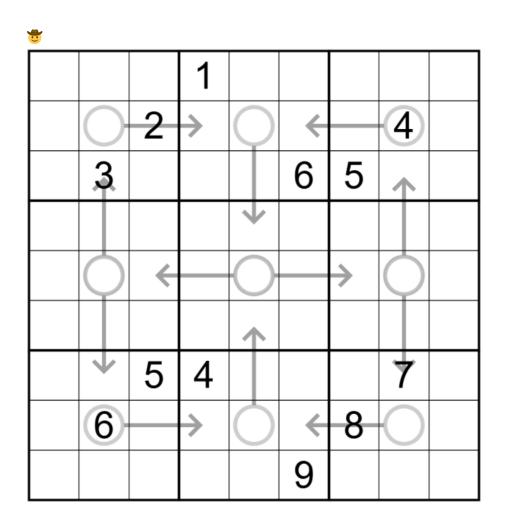


Not a warehouse raven, Discord.

Today's **GAS** is an **Arrow Sudoku!**

Normal sudoku rules apply.

Arrow: Digits along arrows must sum to the circled total.



Play on SudokuPad: https://sudokupad.app/philip-newman/20250125-mr-pointy
Play on f-puzzles: https://f-puzzles.com/?id=2yeqruz8

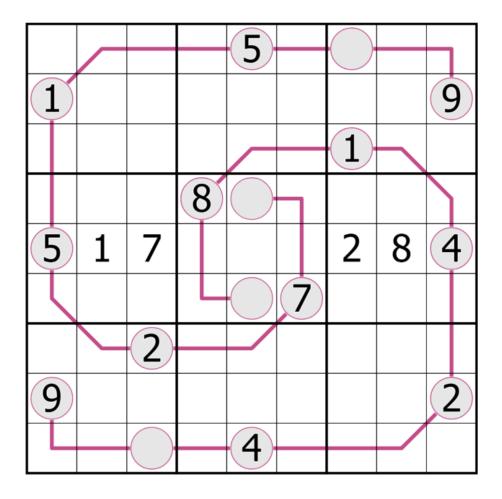
January 26, 2025: Double Arrow

by clover!

Walkthrough for Philip's "Mr. Pointy": https://www.youtube.com/watch?v=MeSt2D-v-nU

Hello! I'm taking a quick break from getting absolutely pummeled by the sudoku I set for my Patreons this month (https://patreon.com/sudokuclover) to post a puzzle that hopefully won't pummel anybody. It'll gently pat you on the head at most, I promise!

It's a **double arrow sudoku** and the rules go like this: Normal sudoku rules apply. The sum of the digits on each line equals the sum of the two digits in the circles on the ends of that line.



SudokuPad: https://sudokupad.app/ejipnmuswq

January 27, 2025: Ankles/It's A Mirror (Double Sudoku) by Bill Murphy

Walkthrough for Single Arrows: https://youtu.be/CDAxcm3SqK4

Walkthrough for Double Arrows: https://youtu.be/o3kBhPNs3qY Walkthrough for Double Arrows: https://youtu.be/o3kBhPNs3qY

(I swear one of you are gonna do triple arrows by the time i wake up)

(speaking of "by the time i wake up" if we could get 9 more followers on the youtube channel we

would break 3000 and that would be really lovely)

(note to self: write a third beat in brackets)

Thank you for all the birthday wishes by the way! I regret to inform you the celebrations are stretching across the next fortnight, not because I'm a birthday month sort of person, but sometimes apparently that's just how seeing people is when you're an adult.

Today's GAS is **two classics**!

Put the digits 1-9 in each box, row and column.

			6	8				
		6	4	3				
							7	9
				2			1	7
	8		1		3		6	
5 9	8 3 5			4				
9	5							
				1	2	8		
				6	8			

Ankles: https://sudokupad.app/9c15hi6m7l

 $\downarrow\downarrow\downarrow\downarrow$ (The second puzzle is on the next page) $\downarrow\downarrow\downarrow\downarrow$

Put the digits 1-9 in each box, row and column.

				4		1		
	9		6	8				
						2		3
	3				1	8		
	1						5	
		7	5				4	
4		5						
				7	2		9	
		6		1				

It's A Mirror: https://sudokupad.app/d45uddn9si

[Typsetters Note: The times given in the table near the end is for the pair combined]

January 28, 2025: For the Damaged

by Philip Newman

Walkthrough of "Ankles" & "It's A Mirror" by Bill: https://youtu.be/EOlgw8pMp84

Bonus points if you know what the title is from without googling.

Today's **GAS** is a **Killer Sudoku**!

Normal sudoku rules apply.

Killer: Digits in cages cannot repeat and must sum to the total given.

<u> </u>								
	9	6		8	4		7	
	3			7	6		5	
		7						
	6	12		J	8		4	
	15			13'		က	17	
			4					
	3	16		2	14*************************************		1	

Play on SudokuPad: https://sudokupad.app/philip-newman/20250128-for-the-damaged Play on f-puzzles: https://f-puzzles.com/?id=244wc6w2

January 29, 2025: (Triple) Arrow

by clover!

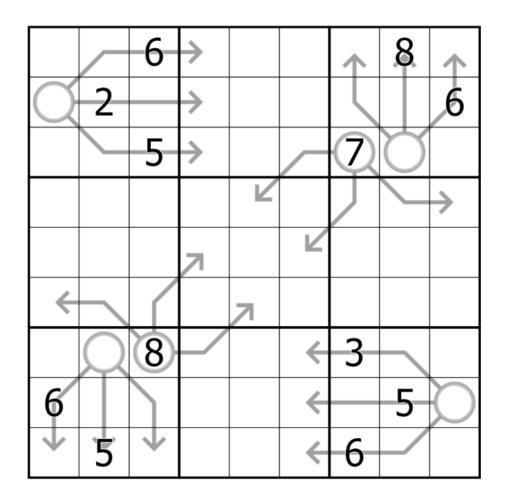
Walkthrough for Philip's "For the Damaged": https://youtu.be/101bjzGNSzw

At any point in the last three and a half years, have you looked at any of my puzzles and said 'gosh, I'd buy that for a dollar'?

Then please go subscribe to my Patreon at the new \$1/month tier (https://patreon.com/sudokuclover), where you'll get one handcrafted medium-difficulty sudoku from me each time I release a monthly pack. The next one comes out in a couple of days!



Today's GAS is a **'triple arrow' sudoku**, because I physically can't resist a good joke setup. Yes, it's just an ordinary arrow sudoku: Normal sudoku rules apply. Digits along each arrow sum to the value in the attached circle. (If a circle has multiple arrows, each arrow sums to the circled value individually).



SudokuPad: https://sudokupad.app/vvqtmwrna2

January 30, 2025: Triple Arrow Sudoku

by Bill Murphy

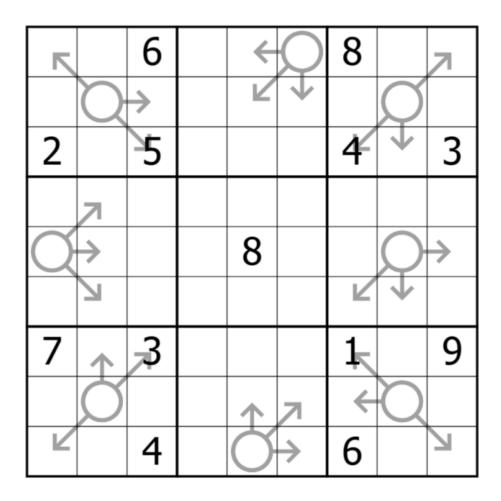
Walkthrough for (Triple) Arrows: https://youtu.be/1sGwZI1Uvcc

That's not a triple arrow sudoku! **This** is a triple arrow sudoku!

[Typsetters Note: the spoilered text here is on the Hints page at the end of this document]

Today's GAS is a Triple Arrow Sudoku!

Normal Sudoku Rules Apply. Digits in bulbs are the sum of every arrow attached to it.



https://sudokupad.app/9ms3yl1cl1

January 31, 2025: Mr. Unpointy

by Philip Newman

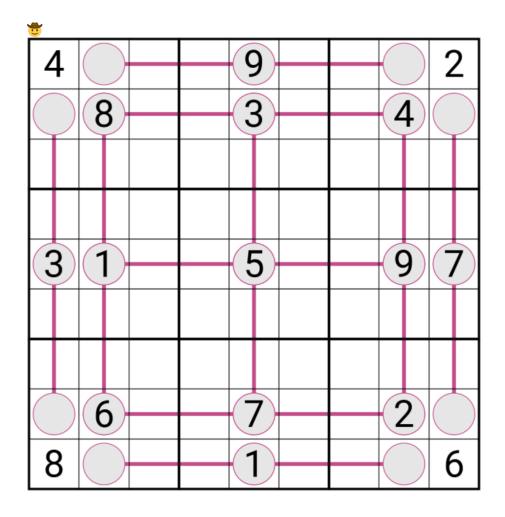
I recently found a collection of CDs which had gone missing when we moved a few years ago, so I have been introducing my kids to some new old music when I take them to school. Today they got some Clapton, and I got to tell them which songs I've used as sudoku titles. Good times.

(This has absolutely nothing to do with today's sudoku.)

Today's GAS is a Double Arrow Sudoku!

Normal sudoku rules apply.

Double Arrow: Digits along a line must sum to the same total as the circled digits at the end of the line.

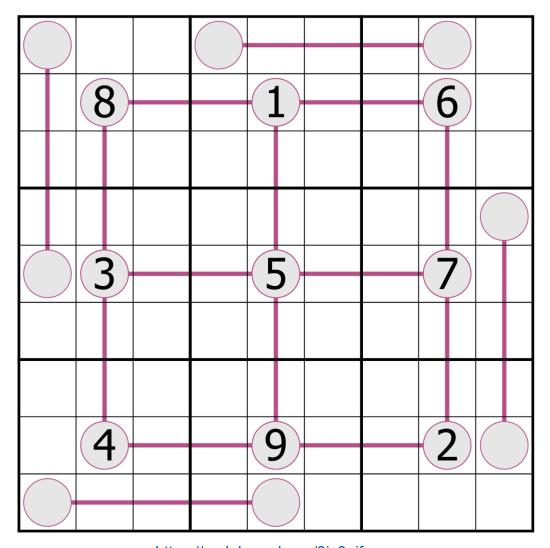


Play on SudokuPad: https://sudokupad.app/philip-newman/20250131-mr-unpointy
Play on f-puzzles: https://f-puzzles.com/?id=2decvtg9

Bonus 1: Double Arrow

Philip Newman

Digits along a line must sum to the same total as the circled digits at the end of the line.

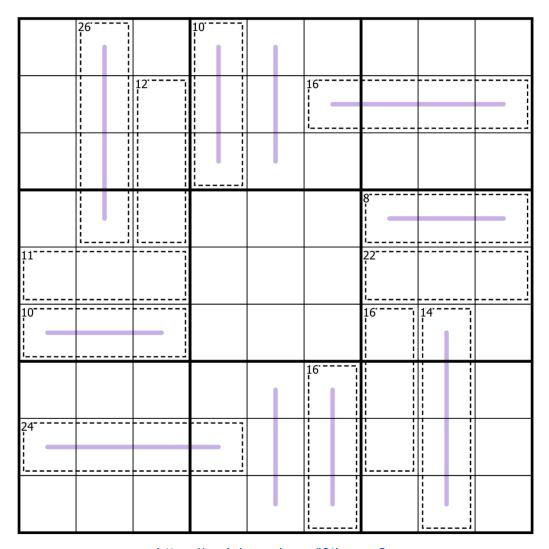


https://sudokupad.app/9ic3ajfwvw

Bonus 2: Showtime 11

Bill Murphy

Normal Sudoku Rules Apply. Digits in cages must sum to the given total and must not repeat. Pairs of digits equidistant from the center of a lavender line must sum to the digit in the center of the line. (eg. R1C1 + R1C5 = R1C2 + R1C4 = R1C3). On lines of even length, each pair of digits equidistant from the center must have the same sum.



https://sudokupad.app/i3tbvaev2a

Bonus 3: Treasure Hunt

Clover

Normal sudoku rules apply. Digits in circles indicate the number of surrounding cells (up to 8) that contain digits that are larger than the circled digit. For instance, if a 5 is circled, exactly 5 of the 8 surrounding cells must contain 6, 7, 8, or 9.

			<u>(5)</u>	2			
	7				2		
		<u>5</u>		6			
		9					(5)
(5)					7		
			8		(5)		
		1				9	
			3	(5)			

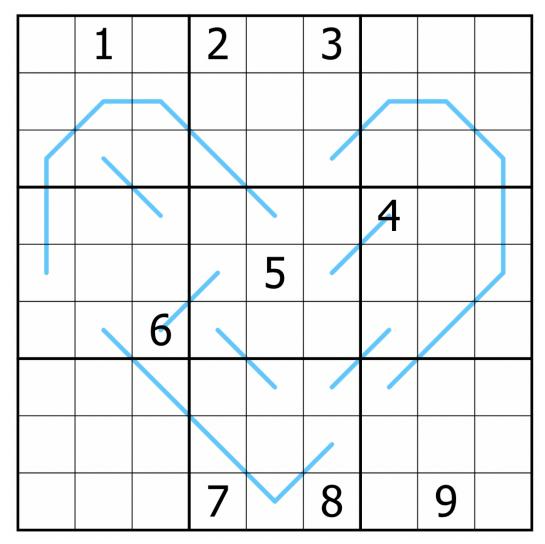
https://sudokupad.app/c20y5mues9

Bonus 4: Region Sum Lines

Philip Newman

Normal sudoku rules apply.

Region Sum Lines: Along each blue line, the digits in every region it passes through have the same sum.

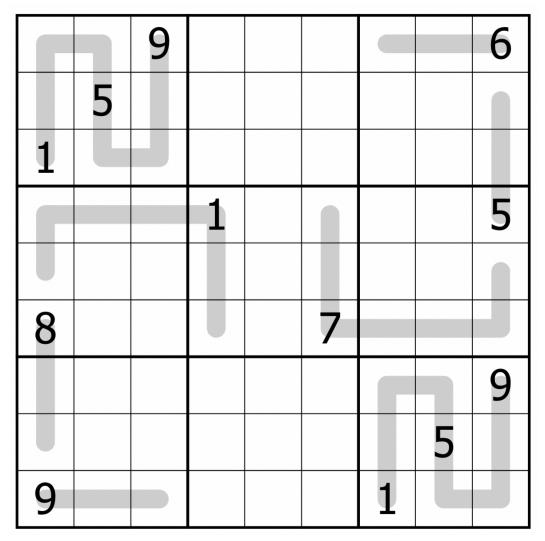


https://sudokupad.app/qwe068dxg1

Bonus 5: Kropki Lines

Clover

Normal sudoku rules apply. Along each gray line, adjacent digits are either consecutive or in a 1:2 ratio (or both).



https://sudokupad.app/nlb17nbuc0

Time Benchmarks

	540	5.20	
	Two party hats	One party hat	Todays dinosaur:
Jan 1, 2025	7:00	13:00	anti-Anatotitan
Jan 2, 2025	7:00	13:00	ZZZZhanghenglong
Jan 3, 2025	7:00	13:00	Elder Eutitanosaur
Jan 4, 2025	7:00	13:00	unzipped Uteodon
Jan 5, 2025	11:00	20:00	Puddle of Protohadros
Jan 6, 2025	8:00	16:00	Linear Lirainosaurine
Jan 7, 2025	7:00	13:00	greater Goyocephale
Jan 8, 2025	8:30	16:00	Zipped Uteodon
Jan 9, 2025	6:30	12:00	three-digit Theiophytalia
Jan 10, 2025	8:00	15:00	Thought-Experiment Thescelosaurus
Jan 11, 2025	6:30	11:30	origami Orodromeus
Jan 12, 2025	9:00	17:00	Hot Hongshanosaurus
Jan 13, 2025	5:00	10:00	Linear Lirainosaurine
Jan 14, 2025	7:00	13:00	Dutch Diplodocus
Jan 15, 2025	6:30	12:00	Aware Atrociraptor
Jan 16, 2025	7:00	15:00	Dislodged Diamantinasaurian
Jan 17, 2025	7:00	14:00	Deutsch Deinodon
Jan 18, 2025	9:30	19:00	Exhausted Equijubus
Jan 19, 2025	8:00	16:00	Nonchalant Nemegtosaurid
Jan 20, 2025	7:00	13:00	con-going Kol
Jan 21, 2025	7:00	13:00	Bright Green Falcarius
Jan 22, 2025	7:30	15:00	Quriky Qunkasaura
Jan 23, 2025	6:30	12:00	super Supersaurus
Jan 24, 2025	8:00	15:00	Junglist Massospondylus
Jan 25, 2025	8:00	16:00	Cerulean Cetiosaurine
Jan 26, 2025	6:00 ¹	11:00	unpummeled Puertasaurus
Jan 27, 2025	11:00	20:00	Older Ostafrikasaurus
Jan 28, 2025	6:30	13:00	Orderly Opisthocoelian
Jan 29, 2025	6:00	11:00	humble Hypselosaurus
		40.55	either a Wilted Wendiceratops or a
Jan 30, 2025	6:30	12:00	Wilted William, because Bart vs.
lan 24 0005	0.00	16.00	Australia is 30 years old Imao
Jan 31, 2025	8:00	16:00	Kyphotic Khebbashian

¹ Don't complain, Bill did this one in two minutes

Hints and other spoilered texts

Hint for January 22, 2025:

GAS 101 Hint: Once you've filled them, the values of r2c5 and r5c2 make r2c2 much more restricted than it first appears! (Likewise for r8c5, r5c8, and r8c8.)

Spoilered Text for January 30, 2021:

Clover came up with this ruleset, I just ran with it