

Mind The GAPP Vol. 34

Genuinely Approachable Pencil Puzzles from the CtC Discord
August 1, 2024 - August 31, 2024

August has ended, and as usual, we have the otter from Puzzle GP round 8. However, there is something more important happening in August:



(Has this format gotten old yet?)

Every August, we're giving out otters to everyone who could guess the next day's genre. However, there are some Tricks™ you can discover that would make your odds of guessing correctly higher. If you'd like to know the trick, check out the August 31 post!

Finally, there are 8 bonus puzzles this time. Enjoy!

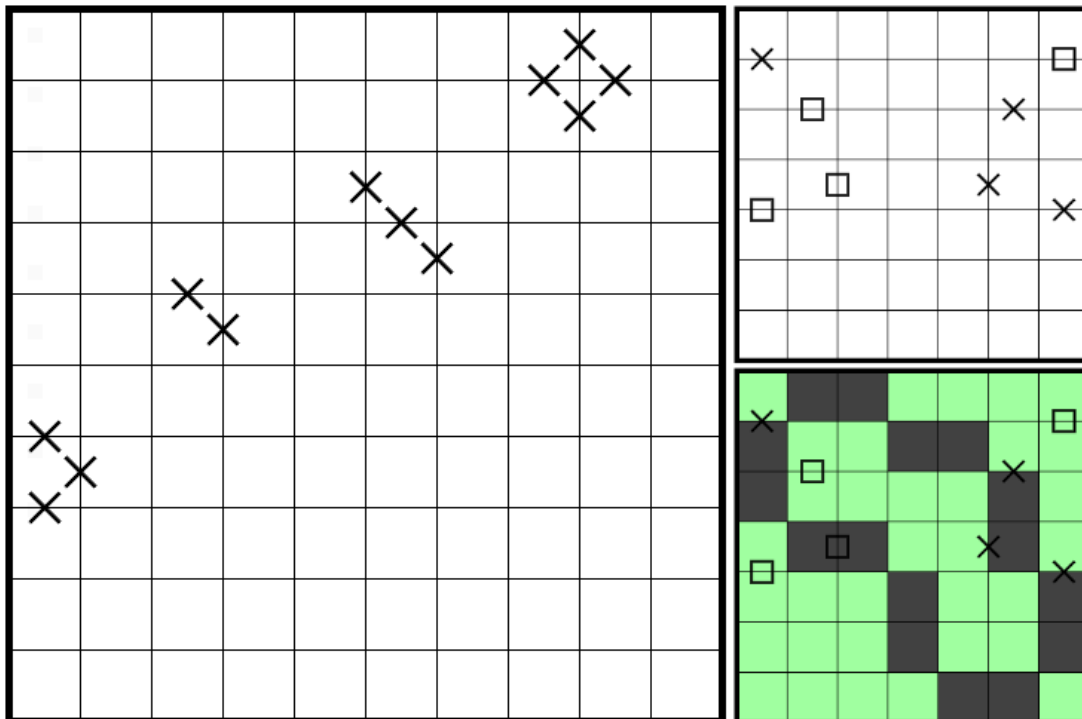
August 1, 2024: Ant Mill

Menderbug

Sadly, no **bonus otters** 🦦 yet. Good luck guessing tomorrow's genre!

I have to admit I kind of despise summer, and August is pretty much the worst of it around here. I just cannot deal with the temperatures. But one thing I do love is how full of life everything seems, especially since moving to the countryside. Bees buzzing around our lavender, cows getting herded from one pasture to another, a dozen different birdsongs mixing together, a ewe suckling her lamb, ram bleating as the farmer brings out more hay, deer grazing on the fields, and there, an **Ant Mill** on the forest trail, eternally busy (sorry, ants).

Rules: Shade some dominoes of cells. No two dominoes may touch orthogonally, but each domino must touch exactly two others by the corners such that all dominoes form a single loop. Cells separated by a square must both be shaded or both be unshaded. Cells separated by an X must not.



Example (puzz.link) by Shye: <http://tinyurl.com/bdz3zcha>

Puzzle (puzz.link): <https://tinyurl.com/vbkbn9th>

August 2, 2024: Bramble

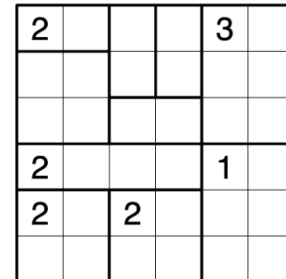
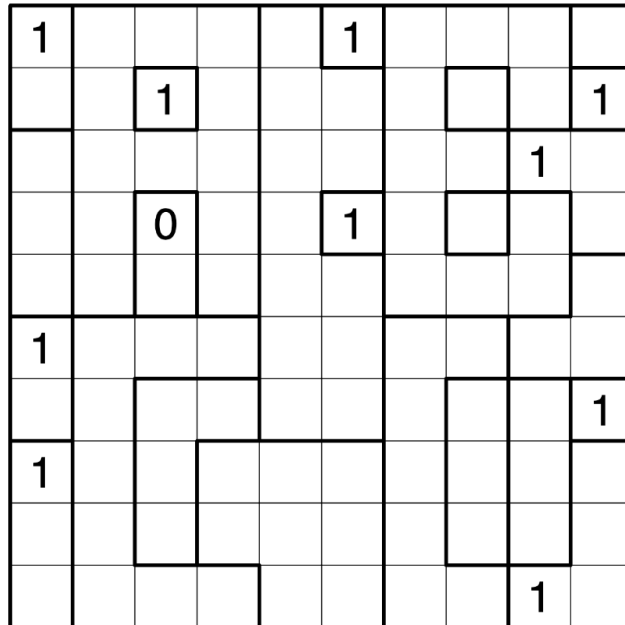
Freddie Hand

Congratulations to @c1over! for winning a well-deserved **bonus otter** 🦦 today! Keep the guesses coming!

Today's puzzle is a **Bramble**. I'm going to use the rest of this space to reiterate Menderbug's praises for David Wise's Donkey Kong Country soundtrack - it's probably about the best OST one could wish for, and it's something the younger generation might not have been able to appreciate. I quite enjoy [Forest Interlude](#) myself.

By the way, Bramble's ruleset was invented by Menderbug based on a misreading of <a puzzle by poison_island> as <a poison island puzzle>. So really [Hot Head Bop](#) is a more appropriate song here.

Rules: Shade some blocks of one or two cells such that no two blocks are orthogonally adjacent and no block crosses a region boundary. All blocks form a diagonally connected network without loops. Two blocks which touch diagonally cannot both be single cells. Number clues indicate the amount of shaded cells in their region.



Example, by Menderbug (Penpa+): <http://tinyurl.com/25f2awpn>
Example, by Menderbug (Kudamono): <https://tinyurl.com/yc857atd>
Puzzle (Penpa+): <https://tinyurl.com/267rhzbe>
Puzzle (Kudamono): <https://tinyurl.com/mrxxdrnz>

August 3, 2024: Stostone

Walker

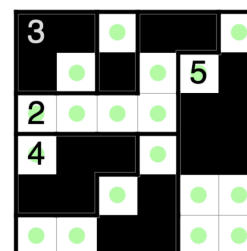
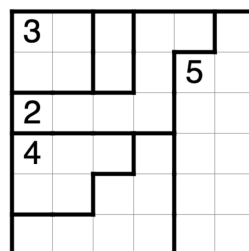
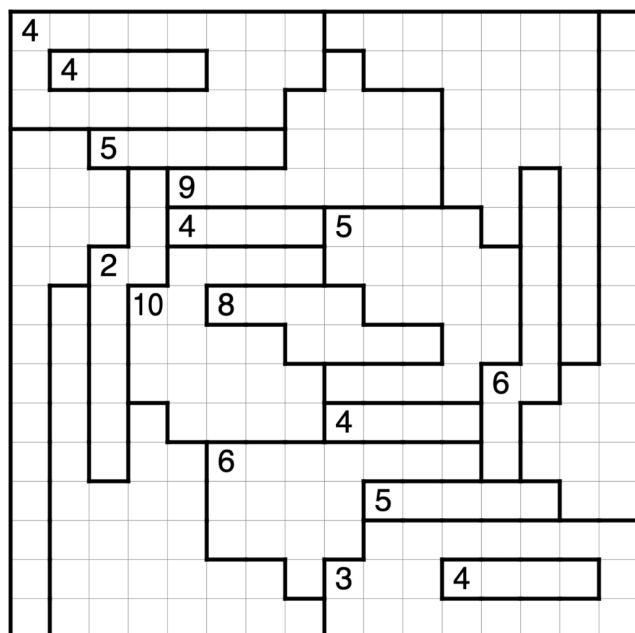
Congratulations to @Sam Cappleman-Lynes, @clover!, @NotJeff, @MikoKisai, and @Dexter345 for correctly guessing today's genre and earning a **bonus otter!** 🦦 Keep guessing for more chances to earn an otter!

Another GAPP, another hiking theme! 🏔️ Today, I'm hiking the Thousand Steps Trail in Pennsylvania. This trail has a famous 1036-step **Supersized Stostone** staircase, and hikers from all around come to enjoy the climb and the view from the top. But today, I'm looking for something else: a geocache, a box hidden as part of a GPS treasure hunting game, hidden somewhere along the steps. Up and down and up and down... where could it be... why is there no stairs emoji...

Rules: Shade a single group of orthogonally connected cells in each region. A shaded cell in one region cannot share an edge orthogonally with a shaded cell in a different region. Regions with numbers must contain the indicated amount of shaded cells. If all of the shaded groups were to fall straight down without changing shape, they must completely fill the bottom half of the grid.

Interface Note: You can press the **Drop blocks** button below the grid to visualize how the current blocks in the grid will drop!

Here's a **GAPP 101:** (ROT13) Rnpu pbyhza zhfg unir rvtug funqrq pryf. Juvyr fbyivat, ybbx sbe pbyhzaf jurer nyy ernzvat pryf arrq gb or funqrq.



Example (puzz.link) by Tyrgannus:

<https://tinyurl.com/25z45kwx>

Puzzle (puzz.link):

<https://tinyurl.com/bdftc7hv>

August 4, 2024: Hinge (Triangular)

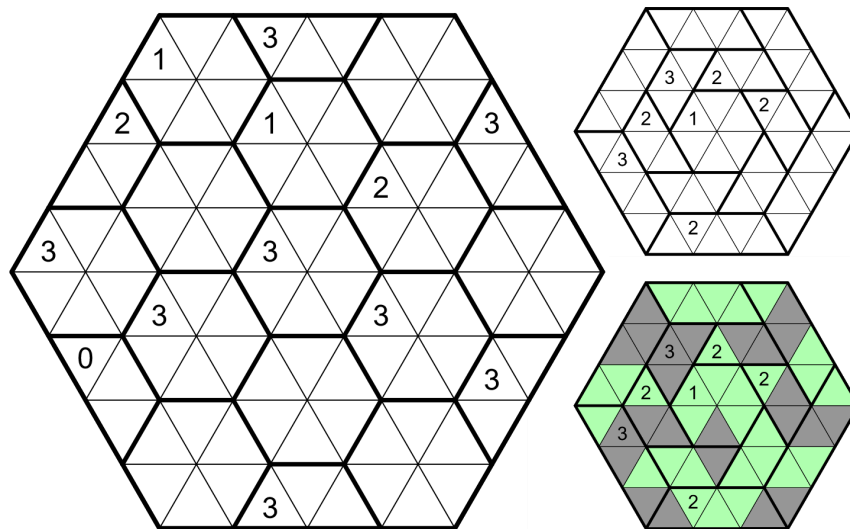
Lavaloid

Congrats to @Rook @Shogia-728 🐻 271 🦀 9 🐦 2269 🎉 🎩 4 🐲 @AkashG23 🏆 @Lorem @Malrog 🐻 x13 @Calump @Marco @Yosh, GAPP minder @NotJeff for guessing today's genre!

While Walker is going on a hike away from civilization, I've been going on a road trip to many countries. First I visited Burkina Faso, then I went to Djibouti, then to Qatar, Uzbekistan, Bangladesh, Singapore, and then to a whole bunch of countries in the Pacific Ocean: from Vanuatu to Fiji to Tonga to Samoa to Kiribati. After a long layover in Hawaii (I'll count that as visiting the US), one day later I took a long flight to Mexico, then went South, visiting Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, then Brazil.

On the ride to Uruguay, I noticed my suitcase was missing a **Hinge**! This one is **Triangular**, so not many shops sell it around here. So I went back to Brazil, Colombia, Panama, etc etc you get the point

Rules: Shade some cells such that each group of orthogonally connected shaded cells is cut only once by a single straight segment of region borders, across which it must have reflectional symmetry. Numbered regions must contain the indicated amount of shaded cells.



Example (Penpa+): <https://tinyurl.com/2ywlysvz>
Puzzle (Penpa+): <https://tinyurl.com/2c6unygc>

August 5, 2024: Detour

bakpao

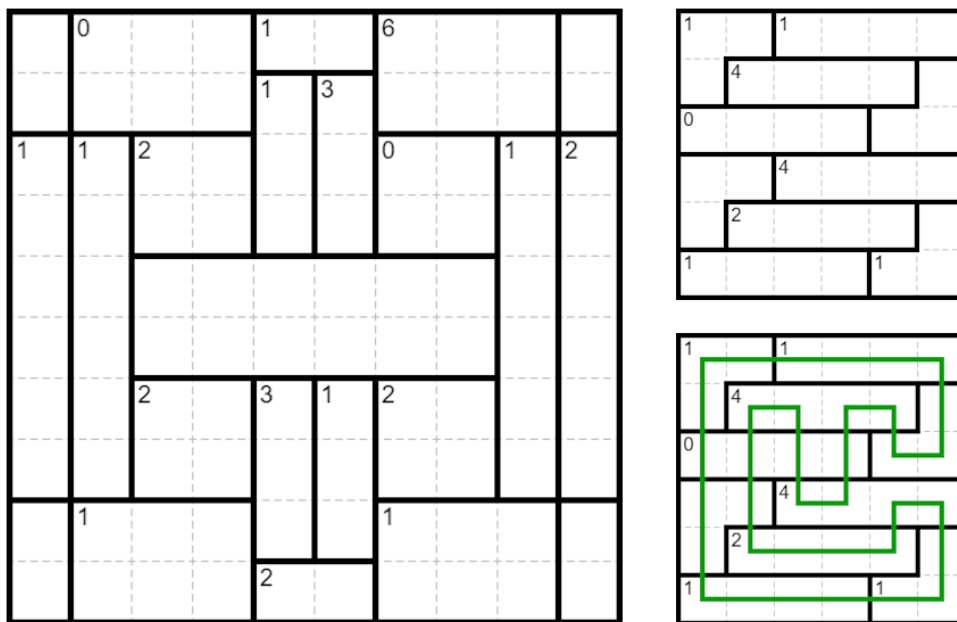
Congratulations to @kinoseidon @Lorem @AkashG23 👑 @Dexter345 @Calump @MikoKisai @Yosh, GAPP minder @Marco @malbolgian @Malrog🐼x13 @It's Experienced Setter Jr.! @jettyx @Shogia-728🐼 271🦀9🐦 2269🥳🎩4🐸 on earning a bonus otter! Keep on guessing! 🐼

The other day we (the NL team) were preparing our registration for the upcoming WSPC, to be held in Beijing, China this October. This got me thinking, I can't believe it's been almost a year since Toronto already! I remember it like it was just yesterday - Taking part in two fantastic championships, meeting some of my GAPP co-authors for the first time and of course the amazing trips I went on after the event - one to the stunningly beautiful Niagara Falls and the other to the breathtaking city of Vancouver. I can't wait to find out what this year has in store for us!

Today's puzzle is a **Detour**!

Rules: Draw a non-intersecting loop through the centers of all cells. In each clued region, the loop must make the indicated number of turns.

Here's a **GAPP 101**: (ROT13) Guvf chmmyr unf dhvgr n srj ynetr ertvba f jvgu 1 pyhrf - gurfr ner irel erfgevpgrq! Bapr lbh unir ybbc frtzagf tbvat vagb gurz, vg vf hfrshy gb purpx vs znxvat n frtzag ghea va vgf pheerag pryy jbyhq sbepn nabgure ghea gb rkvmg ryfrjurer va gur ertvba. Vs vg qbrf, lbh xabj gur frtzag pnaabg ghea naq unf gb pbagvahr tbvat fgenvtug!



Example (puzz.link) by jovi_al: <https://tinyurl.com/2tnf2x79>

Puzzle (puzz.link): <https://tinyurl.com/4yhbyk9f>

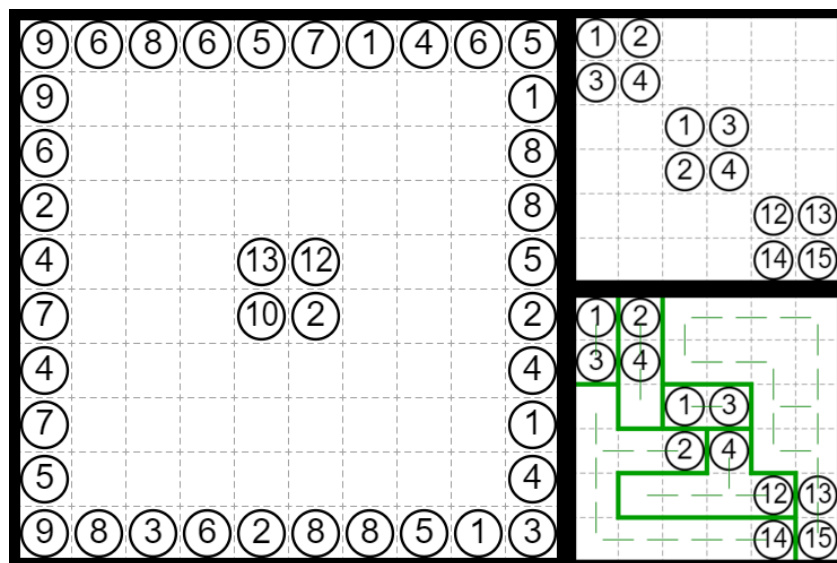
August 6, 2024: Araf

Menderbug

Congrats to @Calump @AkashG23 👑 @Malrog 🐉x13 @Yosh, GAPP minder @dunder_code @kinoseidon @MikoKisai @Mornicus @malbolgian @jettyx @Rook @scor @Shogia-728 🐉271 🦀9 🐦2269 🎉🎩4 🐉 for earning a bonus otter 🦉 today! Keep the guesses coming.

I quite liked this theme, so I figured I could use it one more time. The keen-eyed among you might note that I even chose the number clues in an oddly specific manner for this **Araf**.

Rules: Divide the grid into regions of orthogonally connected cells. Each region must contain exactly two circles and have an area that lies between the two numbers in the circles, exclusive.



Example (puzz.link) by Shye: <https://tinyurl.com/3b7rjnsv>
Puzzle (puzz.link): <https://tinyurl.com/7sn6h9by>

August 7, 2024: Nemo

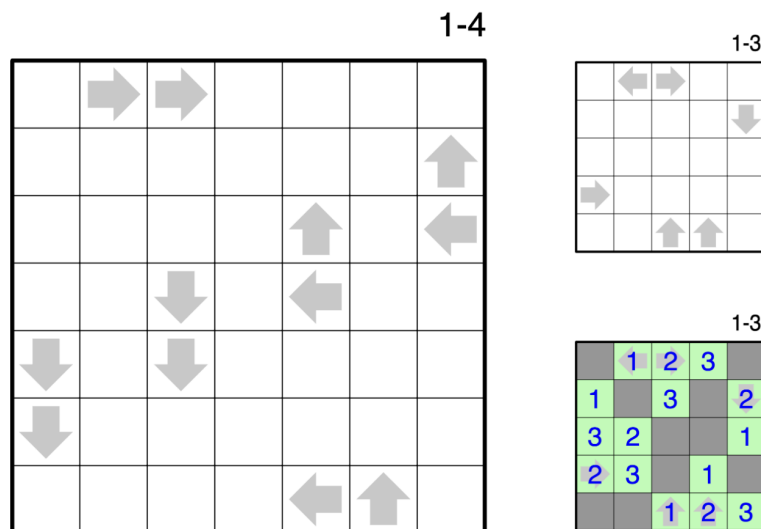
Freddie Hand

Well done to @Lorem @Calump @AkashG23 👑 @jonn @Yosh, GAPP minder @malbolgian @MikoKisai @Mornicus @kinoseidon @Garlic and co. 🌲 @jettyx @Shogia-728 🐼 271 🦀 9 🐦 2269 🥳 🎩 4 🐲 for guessing today's genre! 🐼

Today's puzzle is a **Nemo**! This genre has no relation to the 2003 film *Finding Nemo* (and there needn't be a whole film about it - he's just hiding amongst the sea anemones).

Still, what with rising sea levels and sinking earth levels, some of us might start to see sharks swimming in parks, reefs growing on roofs, or perhaps the odd mollusc ringing your doorbell. Even better, we can freely move in 3 dimensions without ODM gear! It makes you wonder why our ancestors ever bothered coming out of the ocean at all...

Rules: Place a number from the range given outside the grid into some cells so that each row and column contains every number from that range with no repeats, and shade all of the remaining cells. Cells with arrows must contain a number that represents the distance to the first shaded cell appearing in the indicated direction.



Example (Penpa+) by Jovi: <https://tinyurl.com/25m5nljb>
Puzzle (Penpa+): <https://tinyurl.com/25s9aowo>

August 8, 2024: Scrin

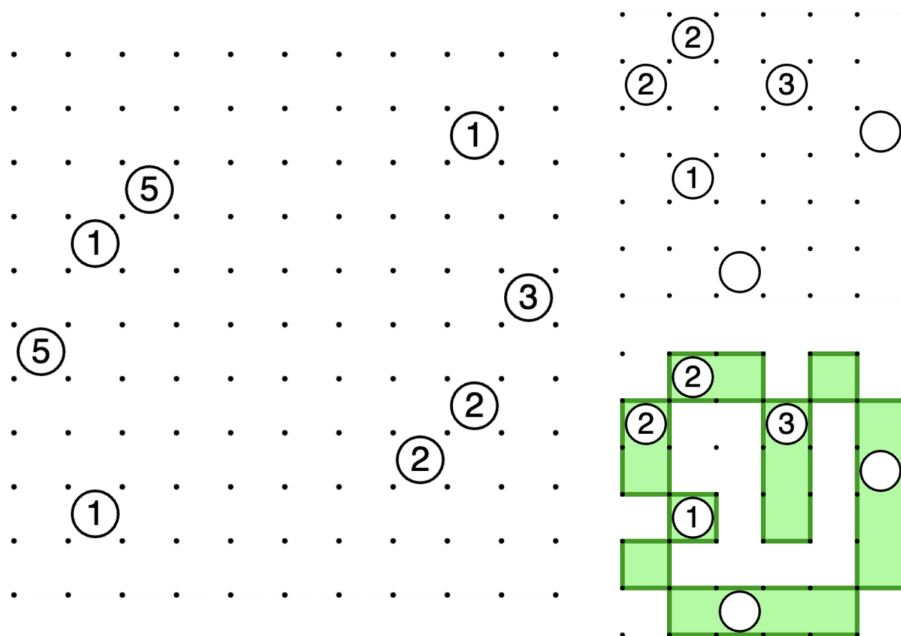
Walker

Congrats to @MikoKisai, @Mornicus, @JonBob, @malbolgian, @Malrog🐼x13, @Calump, @Rook, @Marco, @Lorem, @Jade, @AkashG23 🙌, @Cow, @dangernoodle, @Garlic and co. 🌲, @kinoseidon, @Shogia-728🐼271🦀9🐦 2269🎮🎩4🐲, @jonn, @jettyx, @Dexter345 for correctly guessing today's genre and earning a **bonus otter!** 🦦

It's late summer here at GAPP HQ! It feels great outside; I like to drink a glass of ice water 🥤, put on some video game music or albums off my backlog 🎵, and solve some puzzles on physical paper or from a book 📖. But there are also a lot of bugs, and they can be distracting! 🦋 And so, right now, I'm solving from behind a **Scrin** door. The rectangles keep out bugs while still letting the evening air through!

Rules: Shade some cells so that each orthogonally connected area of shaded cells is in the shape of a rectangle. The shaded rectangles must all form a single loop through diagonal connections, with no branches. All cells with circles must be shaded, (and must belong to different shaded rectangles,) and if a circle contains a number, its shaded rectangle must contain the indicated number of cells.

(Said another way, the "no branches" rule means that each rectangle is diagonally adjacent to exactly two others.)



Example (puzz.link) by Shye: <https://tinyurl.com/4xwhy6vs>
Puzzle (puzz.link): <https://tinyurl.com/5n7rrhk2>

August 9, 2024: Coral

Lavaloid

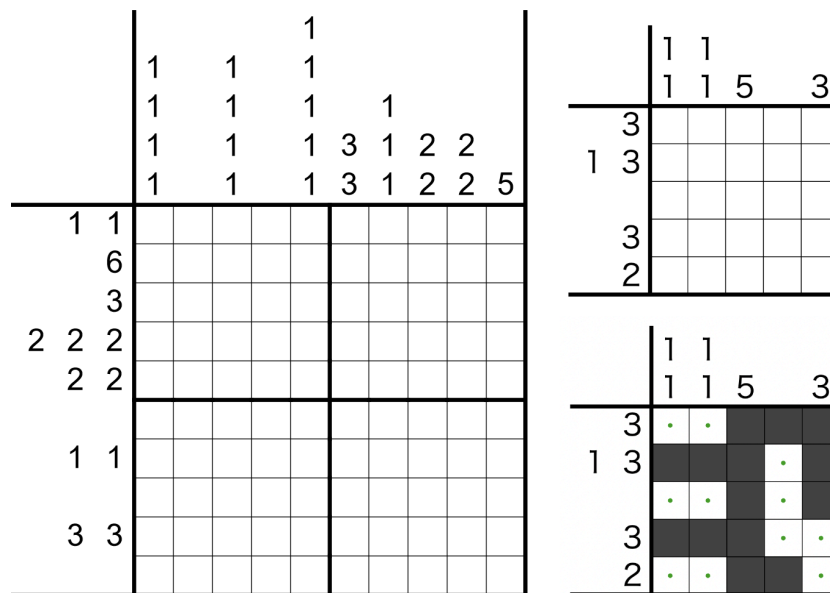
Congrats to @jettyx @Dexter345 @dangernoodle @Scepthan @jubale is @"Wild Bill" Murphy (patreon?) @DL-T @Calump @RynLorathel @MikoKisai @Malrog🐼x13 @kinoseidon @Mornicus @Cow @AkashG23 🌟 @Garlic and co. 🌲 @JonBob @david glasser @Lorem! 🐼

The ocean is a strange place. For something that covers 70% of our planet, we know surprisingly little about them. Did you know there are **Coral** forests in the Mariana Trench? There were some photos of them taken in 2019. Look them up, they're really cool.

Rules:

- Shade some cells so that all shaded cells form one orthogonally connected area and the unshaded cells are all connected orthogonally by other unshaded cells to the edge of the grid. No 2x2 region may be entirely shaded.
- Clues outside the grid represent the lengths of each of the blocks of consecutive shaded cells in the corresponding row or column, *not necessarily in order*. The absence of clues in a row/column means there is no information given.

GAPP 101: (ROT13) Gur purpxreobneq qrqhpvgvba sebz Pnir nyfb nccyvrf urer! Fcrpvsvphnyl, ab gjb-ol-gjb nern pna pbafvfg bs n purpxreobneq bs funqrq naq hafunqrq pryyf. Guvf vf orpnhfr gb pbaarpq gur funqrq pryyf, lbh unir gb 'jenc nebhaq' bar bs gur hafunqrq pryyf, ceriragvat vg sebz pbaarpqvat gb gur rqtr bs gur tevq.



Example (puzz.link) from puzz.link rules page: <https://tinyurl.com/7ccv3p3p>

Puzzle (puzz.link): <https://tinyurl.com/2s4xp8j9>

August 10, 2024: Tren

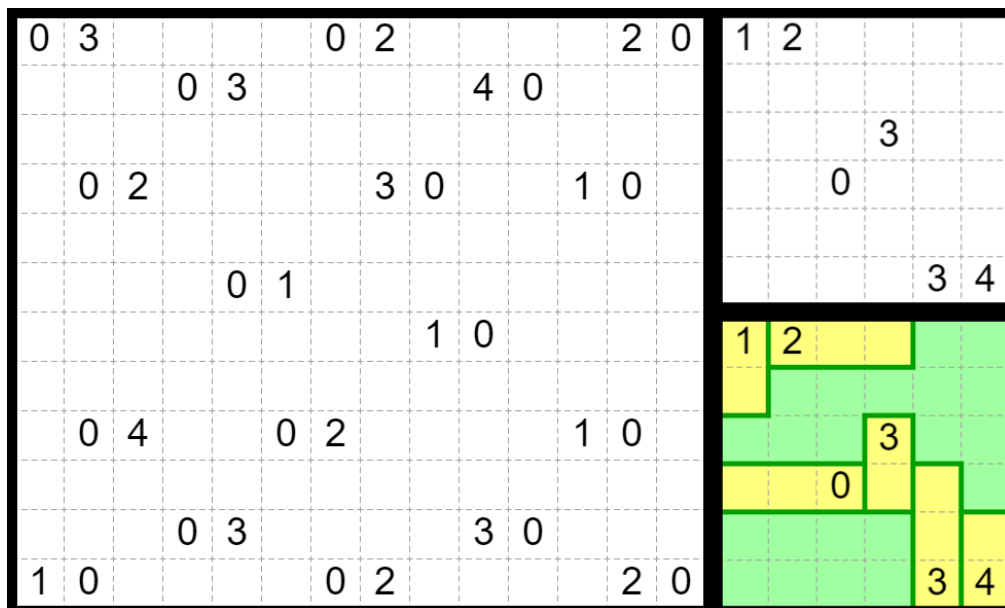
bakpao

I'm traveling for a few days and posting from mobile so no callouts today - feel free to claim your otter if you guessed today's genre correctly!

I'm writing today's intro while having breakfast at a lovely Spanish cafe. There's nothing quite like a *tostada con aceite y jamón* in the morning! The sun is scorching hot, my drink is ice cold and my food is cooked beautifully to perfection. ¡Qué guay!

Today's puzzle is a **SUPERSIZED Tren!**

Rules: Locate some train carriages in the grid, each of which is either 1x2 or 1x3 in size, which may not overlap each other. *Each clue must be used by a carriage and each carriage must contain exactly one clue*, the value of which represents how many different locations to which the carriage can be moved by sliding it in either direction of the short end without overlapping another carriage or going out of the grid. Staying stationary does not count as one of these locations.



Example (puzz.link) by shye: <https://tinyurl.com/ptd9mfk9>

Puzzle (puzz.link): <https://tinyurl.com/4eucddkz>

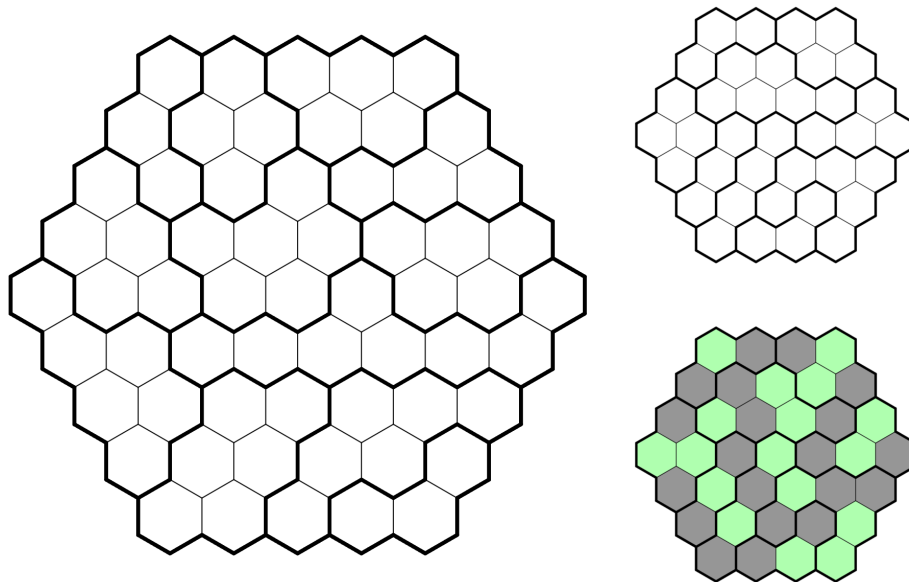
August 11, 2024: Disco (Hexagonal)

Menderbug

Congrats to @jonn @xetto @Mornicus @RynLorathel @dunder_code @MikoKisai @hunchcat @malbolgian @Cow @jubale is @kinoseidon @atroposhears @Lorem @Calump @Malrog🐾x13 @jettyx @dangernoodle @Yosh, GAPP minder @Shogia-728🐾 271🦀 9🐦 2269🥳🎩 4🦎 @AkashG23 🏆 @Stef for earning a **bonus otter** 🐾 today! This list is starting to get out of hand.

I was going to write an intro about how today is the first Strange-Shaped Sunday with Kudamono support, but it turns out we've had *three* GAPPs on hex grids Kudamono links before. Do you remember what they were without looking them up? Today's GAPP is **Hexagonal Disco**.

Rules: Shade some cells so that all shaded cells form one orthogonally connected area. Each region must contain exactly two separate orthogonally connected groups of shaded cells. No vertex may be entirely surrounded by shaded cells.



Example (Penpa+): <https://tinyurl.com/2auqx5sy>
Example (Kudamono): <https://tinyurl.com/66pktw79>
Puzzle (Penpa+): <https://tinyurl.com/2dns2ch5>
Puzzle (Kudamono): <https://tinyurl.com/5rym7trr>

August 12, 2024: Range

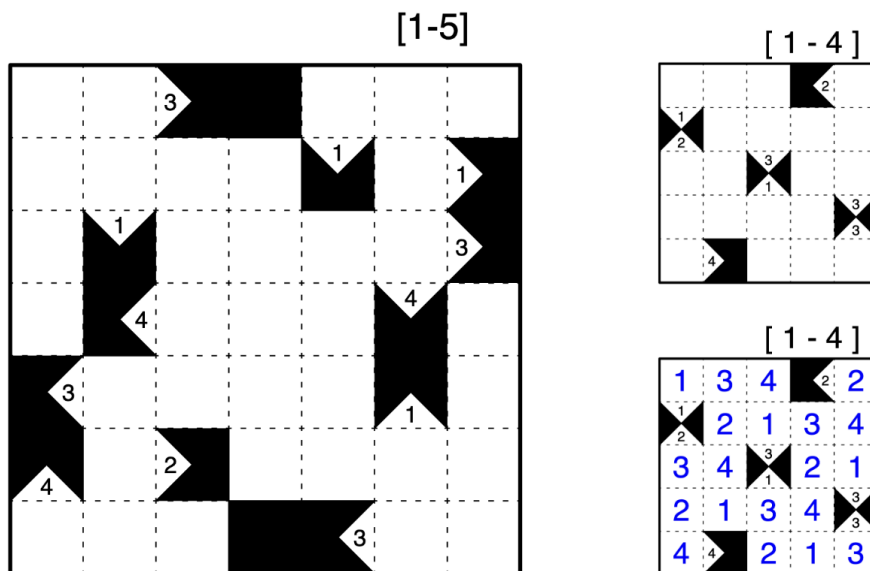
Freddie Hand

Well done to everyone who guessed that today's genre would be a Range! 🤖 offers all around for @Lorem @Calump @Mornicus @malbolgian @kinoseidon @MikoKisai @dangernoodle @jettyx @Malrog🤖x13 @AkashG23 🙌

I imagine many of you have encountered a puzzle or two by the famed *bachelor seal*. They've got over 12000 puzzles to their name, having published 3 puzzles a day for many years (that's about 15 times faster than me!), and recently taking a well-deserved "rest" from assembling puzzles by only publishing one a day. 😊

Bachelor spheal has truly made a lasting mark on history, perhaps more than any other pinniped before him. That's why we'll have to emboss an oval seal into every time capsule we create so their legacy can live on beyond mere human civilisation.

Rules: Place a number from the range given outside the grid into each empty cell such that each row and column contains every number from that range with no repeats. A clue in a shaded cell represents the difference between the largest and smallest numbers placed in a straight line in the indicated direction not obstructed by another shaded cell. If only one cell is visible, the clue instead gives the number in that cell.



Example, by Walker (Penpa+): <https://tinyurl.com/23py7e3j>
Puzzle (Penpa+): <https://tinyurl.com/29kwl7oj>

August 13, 2024: Bossa Nova

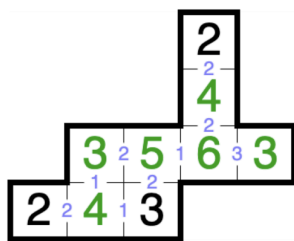
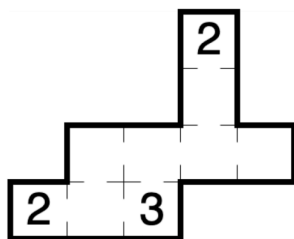
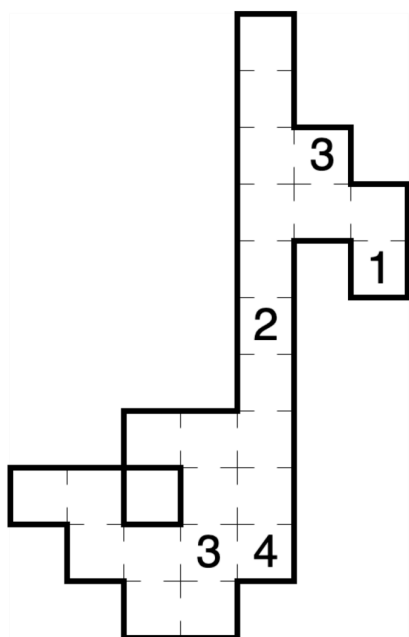
Walker

Congrats to @JonBob, @AkashG23 👑, @MikoKisai, @Mornicus, @Calump, @jonn, @malbolgian, @Lorem, @kinoseidon, @dangernoodle, @Cow, @RynLorathel, @jettyx, @Yosh, GAPP minder, and @Shogia-728 🐻 271 🦀 9 🐦 2269 🥳 🎩 4 🐸 for guessing correctly and earning a bonus otter! 🦦

For me, puzzles can be a quiet pause in an otherwise busy day. Today, feel free to relax with a "new trend" not featured before on GAPP, a **Bossa Nova** 🎵. You can choose to solve in the provided Waritai style, in a thick-bordered layout reminiscent of the game Sokoban, or in Original style, which provides a circle for each clue. And, if you'd like music while you solve, I've linked one of my favorites, "Moment of Rest" from Professor Layton and the Diabolical Box [<https://youtu.be/xu4wQ6ws1y8>]. (Apologies, I only know video game music 😊)

Rules: Place a positive integer into each empty cell. Each number must be equal to the sum of the differences between itself and each orthogonally adjacent number.

Interface Note: You can mark numbers between cells to indicate the difference between the cells. (I find these very useful while solving, and recommend marking all of them.)



Example (puzz.link):

<https://tinyurl.com/5535j2td>

Puzzle (puzz.link):

<https://tinyurl.com/4hy9m49m>

August 14, 2024: Norinori (Connectivity)

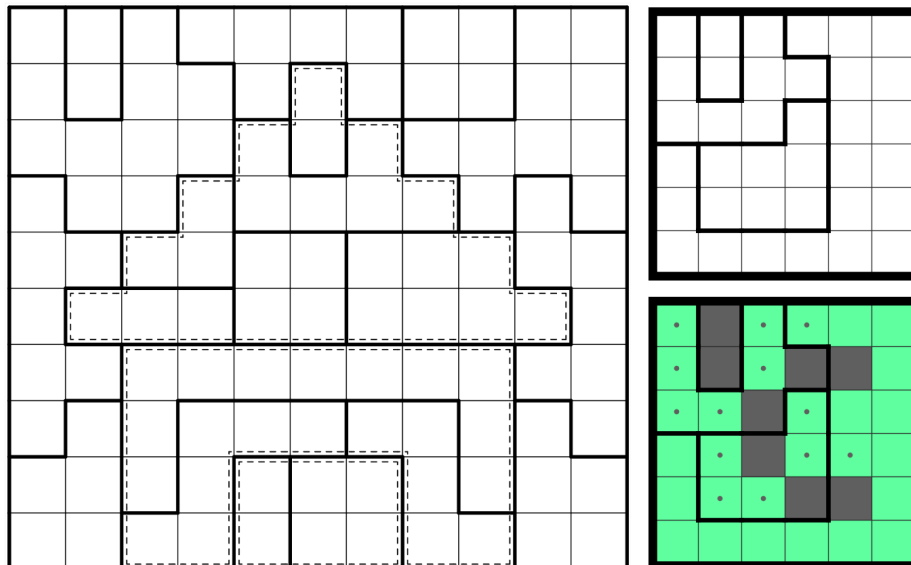
Lavaloid

Congrats to Stef, Lorem, atroposhears, MikoKisai, Calump, Malrog, jubale is, JonBob, kinoseidon, Cow, ericthered13, jonn, hunchcat, Shogia, RynLorathel, AkashG23 🙌, dangernoodle, jettyx, jonshare, SudOX, malbolgian, Scephan, and scor for guessing correctly! 🐼 (Sorry, no more pings because I ran out of characters)

Today's GAPP is a **Norinori (Connectivity)** in the shape of a **house**. That's because I've recently moved into a new **house** It's quite a nice place, and there's a supermarket, a clinic, and a nice bar nearby. There's just one problem though: there's a door near the kitchen that should lead to the garden at the side of the **house**, but there are no doors at the other side of the wall! When I opened the door, it seems to lead to a very long hallway. Anyone know who I should call?

Rules: Shade some 1x2 dominoes of cells so that every region contains exactly two shaded cells. Shaded dominoes may not touch orthogonally. Dominoes may exist in multiple regions but are not required to. All unshaded cells must be orthogonally connected.

Interface note: The puzz.link interface will only check for the base genre and you'll have to verify the connectivity yourself. The Kudamono interface will check the full ruleset.



Example (Kudamono) by Menderbug: <https://tinyurl.com/492b3y6e>

Example (puzz.link): <https://tinyurl.com/3yna33ub>

Puzzle (Kudamono): <https://tinyurl.com/45wd6ate>

Puzzle (puzz.link): <https://tinyurl.com/3kttctch>

August 15, 2024: Icebarn

bakpao

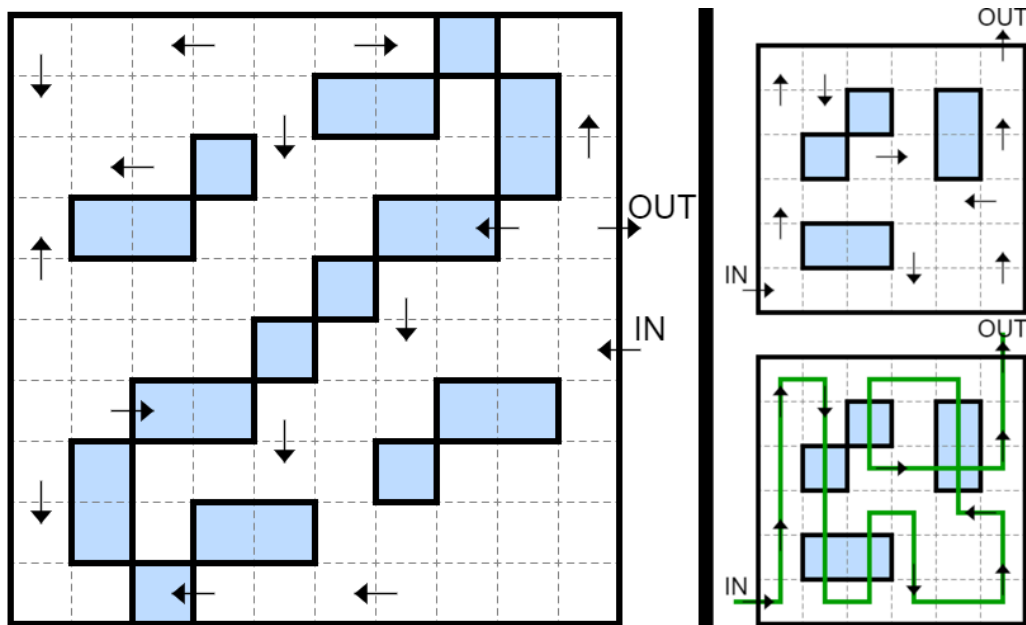
Out of characters, sorry! Claim your otter if you guessed right!

I'm back from my travels! I don't handle heat so well, so usually when I come back to the Netherlands from warmer countries, I'm relieved to be back in lower temperatures. Imagine my surprise when I got off the plane only to find out we were in the middle of a heatwave! The temperature was horrific and less bearable than it was in Spain! In a desperate effort to cool down somewhat, I wrote an ice cold puzzle, but it's not helping much...

Today's puzzle is an **Icebarn!**

Rules: Draw a path through the centers of some cells, entering the grid at the "IN" marking and exiting at the "OUT" marking. The path must travel through all of the arrows in the indicated direction. Two perpendicular line segments may intersect each other only on icy cells, but they may not turn at their intersection or otherwise overlap. The path may not turn on icy cells, and each orthogonally connected group of icy cells must be passed through at least once.

GAPP 101 🤖: See [Appendix 1](#)



Example (puzz.link) by Tyrg: <https://tinyurl.com/tyfkx2y9>

Main puzzle (puzz.link): <https://tinyurl.com/4ze66ec2>

August 16, 2024: Candles

Menderbug

Congrats to @kays @"Wild Bill" Murphy (patreon?) @Calump @Mornicus @kinoseidon @jettyx @jubale is @Cow @Lorem @malbolgian @ericthered13 @dangernoodle @RynLorathel @MikoKisai @OldOrangutanObsessedbyOtters @atroposhears @Shogia-728 🐼 271 🦀 9 🐦 2269 🐱 🎩 4 🐸 @AkashG23 🙌 for earning a bonus otter 🐼 today! Fair warning: as we enter the second half of the month, the gloves are coming off. Good luck y'all!

It seems that in over a year on the GAPP team I've only made one (1) proper number placement puzzle. So I figured, I should work on that. Here's everyone's favourite number placement genre, **Candles**.

Rules: Place candles (essentially, digits from 1 to 4) into some empty cells. By default, the height of a candle is 4, but each orthogonally adjacent candle melts it down by 1. Each candle must have a height greater than 0. Numbers indicate the sum of the heights of the candles in the (up to) eight surrounding cells.

Penpa notes:

- While, strictly speaking, determining the location of the candles entirely determines the solution, the answer checker requires all numbers (heights) to be inputted here.
- The recommended notation is tabbing between sudoku mode to mark heights and using grey/green to mark absence/presence of a candle.

7		0	4		8
	9			7	
	9			10	
6		13	14		7

8				0
	10			3
4			10	
4				3

8	4			0
4	10			3
		2	3	
4	2	1	10	
4	2	1	3	3

Example by Freddie
(Penpa+):

<https://tinyurl.com/ydc2jur7>

Puzzle (Penpa+):

<https://tinyurl.com/22qb4saj>

August 17, 2024: LITS

Freddie Hand

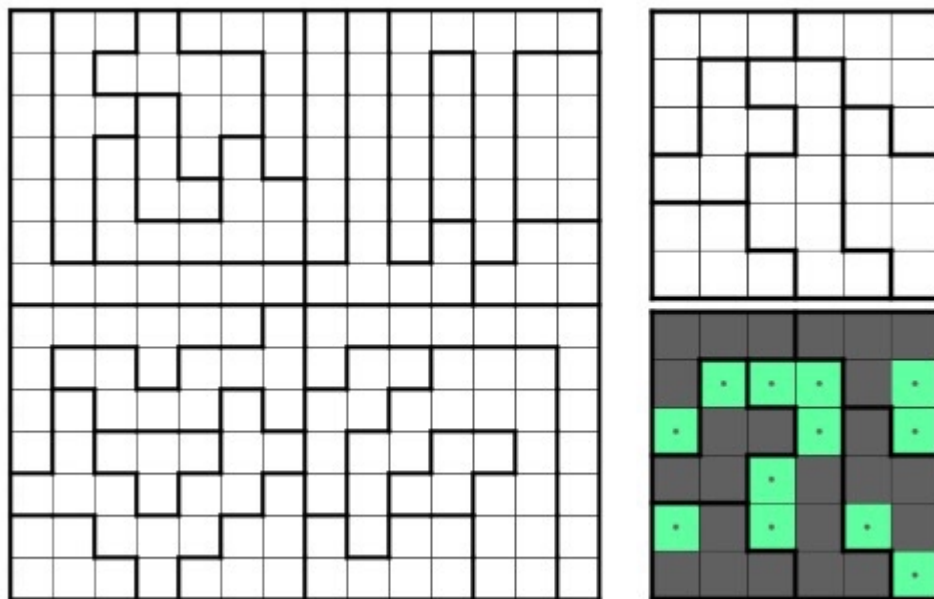
Well done to everyone who guessed today's puzzle would be a (supersized) **LITS**. Otters abound for @Mornicus @malbolgian @MikoKisai @Malrog🐻x13 @kays @Cow @hunchcat @Calump @Yosh, GAPP minder @"Wild Bill" Murphy (patreon?) @ericthered13 @Lorem @atroposhears @OldOrangutanObsessedbyOtters @jettyx @dangernoodle @AkashG23 🐼 @Shogia-728🐻271🦀9🐦2269🧡🎩4🦎. Keep on guessing!

From a young age, I've always been unmusical. I've had quite an emotional journey with instruments. I did buy a theremin about a year ago, but I haven't touched it since. And I got a 6-string guitar recently but it only makes a quiet "bum bum" sound when I pluck it. I would be open to piano lessons though it's not exactly my forte. I did try to pick up the organ once, but it was way too heavy. I gave up on playing the bassoon because the tenor clef was very difficult two reed.

Oh, you're getting bored of these jokes? Sorry I didn't notice. I'm a bit tone-deaf, after all. One more wouldn't do any harm, right?

By the way, if you're curious about how theremins work, the answer is electromagnetism.

Rules: Shade one tetromino of cells in each region so that all shaded cells form one orthogonally connected area. Two tetrominoes of the same shape may not touch orthogonally, counting rotations and reflections as the same. No 2x2 region may be entirely shaded.



Example, by jovi (puzz.link): <https://tinyurl.com/bdcvrzfn>

Puzzle (puzz.link): <https://tinyurl.com/4dnumn8m>

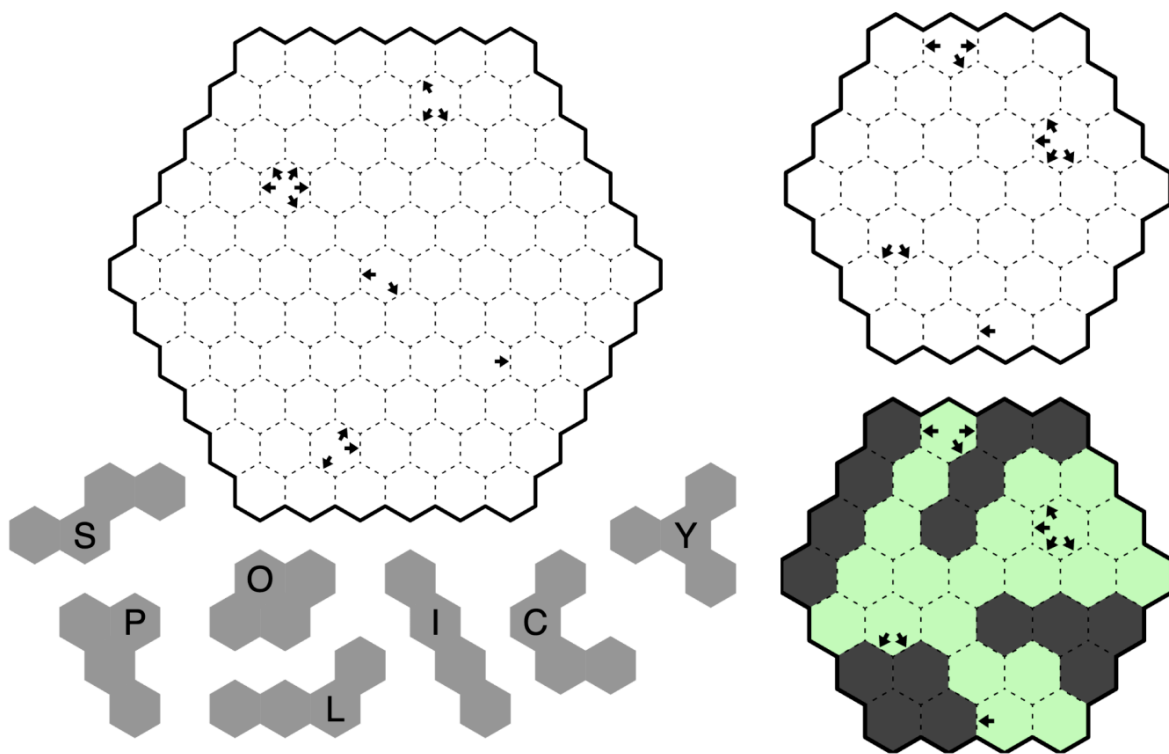
August 18, 2024: Pentopia (Hexagonal)

Walker

We've been a bit low on characters ever since bakpao landed back in the Netherlands. Feel free to claim a **bonus otter** 🦦 if you guessed today's genre (**Pentopia**, you don't need the (Hex)) correctly!

Today, I'll be thrilled to transmit to you this riddle, titled **Pentopia (Hex)**! With tiles resembling letters, it's structurally similar to another riddle; but it's the littlest bit different in that the title isn't consisting of the tiles' initials. This isn't the first time it's been written in this series; but in this instance, it's been instantiated on a six-sided grid, which is stylistically distinct from the standard rectilinear shape. Ideally, this artistic decision will distill the merits of this ruleset!

Rules: Shade some polyhexes of cells so that no polyhexes touch one another, not even diagonally. Each polyhex must match one of the shapes given below the grid. No two shaded polyhexes may be the same shape, counting rotations and reflections as the same. Clued cells cannot be shaded, and contain arrows indicating all of the orthogonal directions which tie for having a shaded cell appearing closest to the clued cell. At least one shaded cell must appear in the direction of an arrow.



Example (Penpa+): <https://tinyurl.com/2d893qtc>

Puzzle (Penpa+): <https://tinyurl.com/22tagwud>

August 19, 2024: Paoland

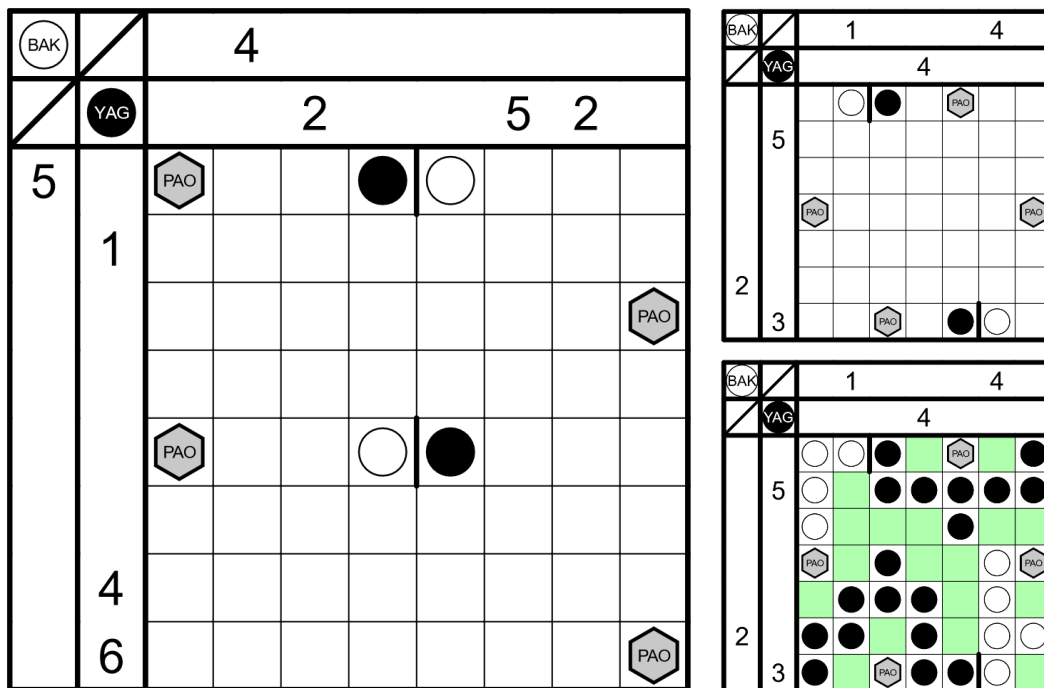
Lavaloid

Congratulations to Stef, Shogia, kinoseidon, MikoKisai, Malrog, AkashG23 🙌, dangernoodle for guessing today's **Paoland**! Also, Puzzle GP Round 8 has started, and you can get an additional offer if you participate in the contest: <https://gp.worldpuzzle.org/content/puzzle-gp> 🤝

Rules:

- Place exactly one black or white circle into some cells to form orthogonally connected groups of non-empty cells (i.e. hexagons or circles), which we will call a "network". Some circles may already be given. There must be at least one empty cell in every 2x2 area in the grid.
- Each network must contain exactly one orthogonally connected group of only white circles, and exactly one of only black circles. The two groups may only meet up at a given edge.
- A hexagon must be adjacent to exactly one circle, and a network must have exactly two hexagons. The path (or paths) between two hexagons in a network must cross a given edge.
- Each network must contain at least twice as many black circles as it does white circles.
- Outside clues indicate the number of black and white circles in that row or column.

Interface note: You can use *Shading* to mark cells that are empty. Also, check the rules in the Penpa+ links for a thematic version of the rules!



Example (Penpa+) by bakpao: <https://tinyurl.com/24xw4ggs>

Puzzle (Penpa+): <https://tinyurl.com/24yeye2x>

August 20, 2024: Pata

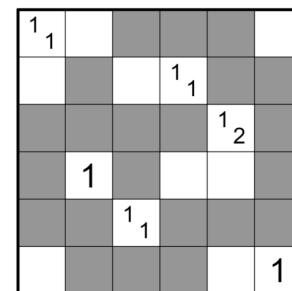
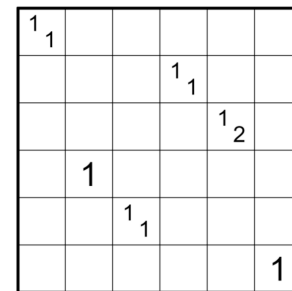
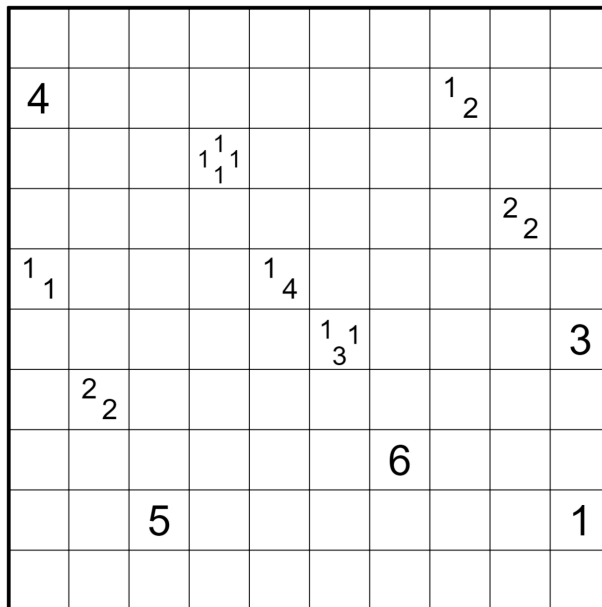
bakpao

Only a few others today! Very well done to @Ma1rog [🐉wrangler], @Lorem, @MikoKisai and @dangernoodle for guessing today's genre right! 🤝

While abroad 🛩️ last week, I wanted to eat at a Japanese 🇯🇵 restaurant with great reviews 🔥 online. However, it was located in a neighborhood 🏘️ many described as best avoided 🧑🚒. Against my better judgement, I went to the nearest station 🚉 one evening anyway, where everything about the area immediately struck me as very shady. :suseyes~1: Viewing the area from the comfort of a safe distance 📏 for a while, I eventually decided against it and made my way back home 🏠, to try again in daylight. The next day I went back during lunch time 🕒 and boy was it worth it - I enjoyed a delicious meal! 😊 Unfortunately the restaurant had no unadon 🍜 (my favorite), so I ordered garlic fried rice 🍷 instead. While it looked a bit basic 🙄, reeked strongly 🗑️ and cost a fortune, it tasted fantastic. I gave a generous tip 💰 and left completely satisfied. What a blessed afternoon 🙏!

Today's puzzle is a **Pata**!

Rules: Shade some cells so that all shaded cells form one orthogonally connected area. Clues cannot be shaded, and represent the lengths of the blocks of consecutive **unshaded** cells in the (up to) eight cells surrounding the clue. Clue cells are treated as unshaded. No 2x2 region may be entirely shaded.



Example (Penpa+) by Freddie: <https://tinyurl.com/48tjjwet>
 Puzzle (Penpa+): <https://tinyurl.com/2dy56c9m>

August 21, 2024: Creek (No 4 in a row)

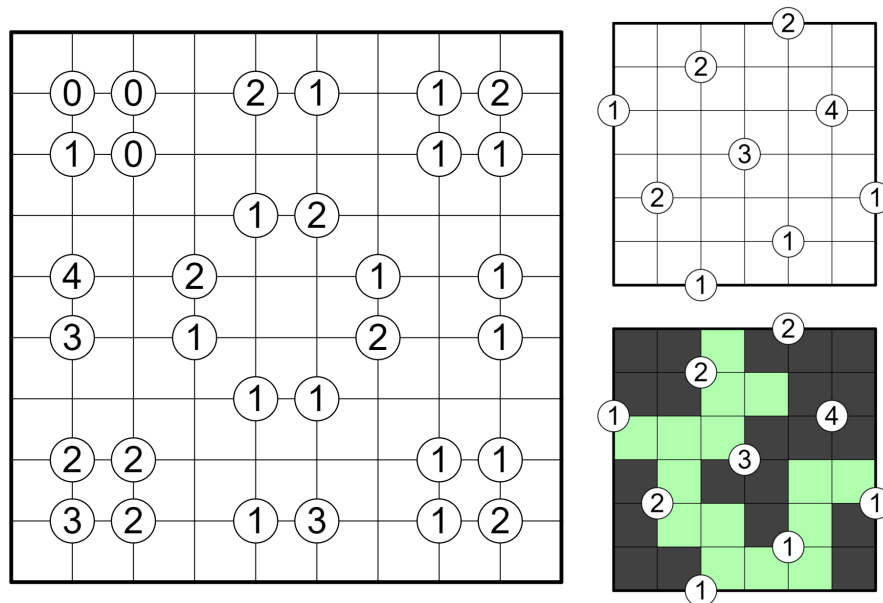
Menderbug

Congrats to @Stef, @MikoKisai, @RynLorathel, @Malrog [🐾wrangler], @Mornicus, @malbolgian, @Cow, @kinoseidon, @ericthered13, @Calump, @AkashG23 🙌, @dangernoodle, @Shogia-728 🐾 271 🦀 9 🐦 2269 🤪 🎩 4 🦎, @jettyx for correctly guessing today's (base) genre and earning a bonus otter 🦦!

I felt like doing a variant/hybrid so here's a **Creek (No 4 in a Row)**.

Rules: Shade some cells so that the remaining unshaded cells form one orthogonally connected area. A clue represents how many of the cells in its 2x2 neighbourhood are shaded. There may not exist a run of more than three consecutive **shaded or unshaded** cells horizontally or vertically anywhere in the grid.

Interface note: If you use the puzz.link versions, you'll have to press "Check base type" below the grid when you're done and verify the variant rule yourself. If you use the Penpa+ versions, you get answer check automatically, but you can't check for any rule violations during the solve.



Example (puzz.link): <https://tinyurl.com/y5rrkwxe>

Example (Penpa+): <https://tinyurl.com/2asg4l6f>

Puzzle (puzz.link): <https://tinyurl.com/59as4bc8>

Puzzle (Penpa+): <https://tinyurl.com/2bl2n8s7>

August 22, 2024: Comet

Freddie Hand

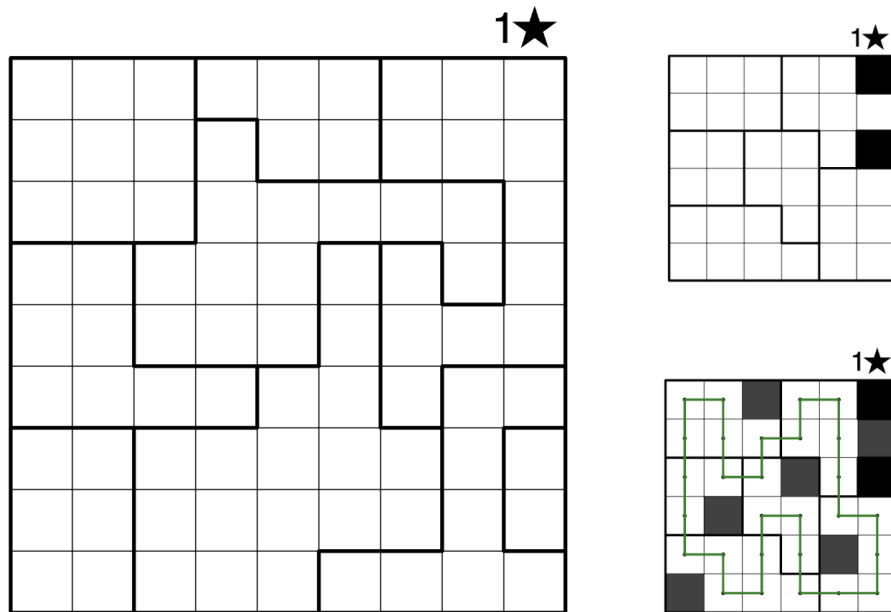
Congratulations to @Malrog [🐾wrangler], @malbolgian, @MikoKisai, @Lorem, @AkashG23 🙌, @Cow, @jettyx, @Shogia-728 🐾 271 🦀 9 🐦 2269 🎉 🎩 4 🐸, @Mornicus, @OwnOneOddOtterOrOnionOfOgre for guessing today's Comet! 🐾 🐾

Cats. A lot of people adore them. But showering love upon a real cat is like shining light into a black hole - you can't expect any of it to be returned. *Fictional* cats, on the other hand, won't occupy your property without even acknowledging you, or deplete the stock of toilet paper you've so painstakingly hoarded.

I personally have a soft spot for fictional big cats. You'll never find a tiger as well-mannered as the tiger who came to tea, or one that loves extract of malt and bouncing as much as Tigger. But my personal favourite has to be from *The Chronicles of Narnia* - that is, of course, Aslan.

Tip: Yajilin mode works nicely for this genre, with shaded cells being used to mark stars, and dots to mark starless cells. Though if you prefer the aesthetic of actual star shapes you're welcome to use them - Penpa only checks for the loop.

Rules: Place stars into some cells such that each row, column, and outlined region contains exactly N stars, where N is given above the grid. Stars may not touch one another, not even diagonally. Additionally, draw a non-intersecting loop through the centers of all empty cells. Given shaded cells cannot contain stars and cannot be passed through by the loop.



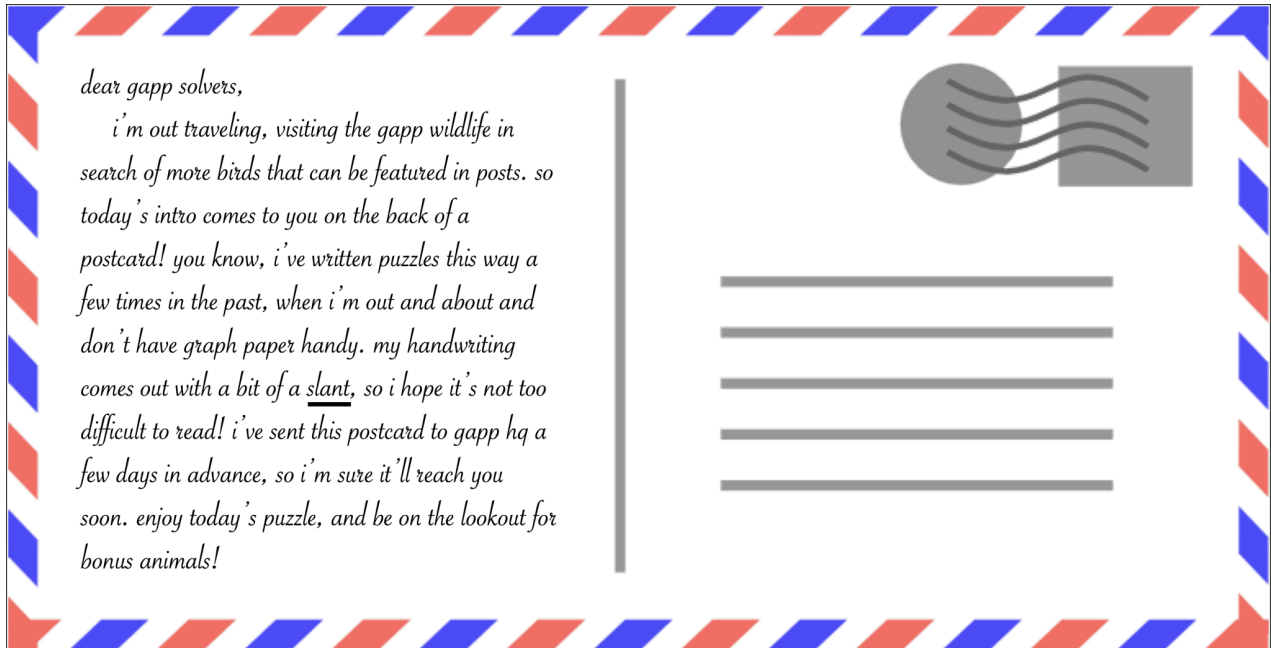
Example (Penpa+): <https://tinyurl.com/28dy6rxd>

Puzzle (Penpa+): <https://tinyurl.com/rwhx96hw>

August 23, 2024: Slant

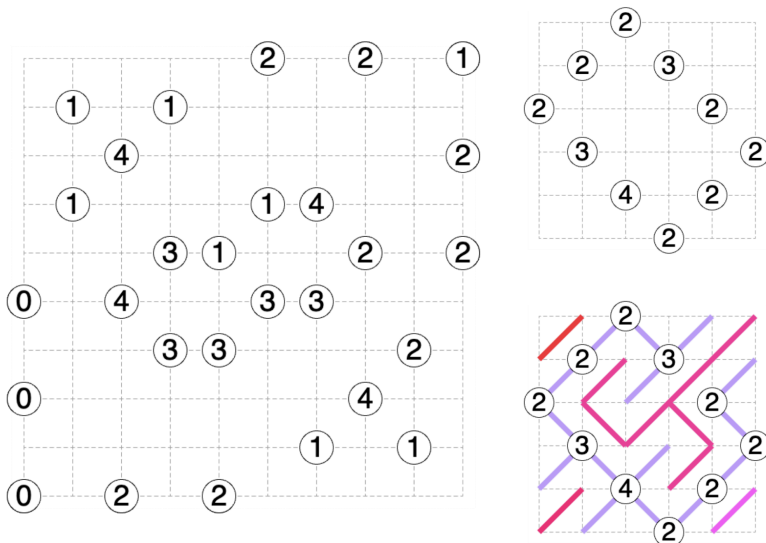
Walker

Congratulations to Aspartagcus, Calump, Mornicus, malbolgian, ericthered13, ManicVolcanic, Cow, Malrog, atroposhears, kinoseidon, AkashG23, Lorem, Plostoni, dangernoodle, OldOrangutanObsessedbyOtters and jettyx for guessing correctly and earning a bonus otter! 🦦



Rules: Place a diagonal line into each cell, connecting two opposite corners, such that no loops are formed by the diagonal lines. A clue in a circle indicates how many lines are extending from that circle.

Here's a **GAPP 101**: (ROT13) Rdhvinyragyl, gur ab-ybbc ehyr zrnaf gung rnpu tebhc bs pbaarpgrq yvarf zhfg gbhpu gur rqtr bs gur tevq (vs abg, vg jbhyy or fheebhaqrq ol n ybbc!) Ybbx sbe cynprf jurer n tebhc arrqf gb geniry gb ernpu gur rqtr.



Example (puzz.link) by shye:
<https://tinyurl.com/mus7nzus>

Puzzle (puzz.link):
<https://tinyurl.com/5xdvazrw>

August 24, 2024: Uso-one

Lavaloid

Here's one of the things which confused me when I first started learning Japanese: Even though は is usually pronounced "ha", when used as a topic marker it's pronounced as "wa". This seems to be because of a spelling reform where all "wa" sounds were changed to わ, except for this particular use case.

Speaking of which, "otter" in Japanese is "kawauso", which kind of ties nicely to today's ✨ *Supersized* ✨ **Uso-one**. Congrats to Stef, Cow, Shogia, Mornicus, MikoKisai, Malrog, OwnOneOddOtterOrOnionOfOgre, ericthered13, Lorem, malbolgian, jettyx, AkashG23 🍄, dangernoodle, Garlic and co. 🌲 for the kawauso(-one) 🐻!

Rules: Shade some cells so that no two shaded cells are orthogonally adjacent and the remaining unshaded cells form one orthogonally connected area. Clued cells cannot be shaded, and represent the number of shaded cells in the (up to) four cells orthogonal to the clue. However, exactly one clue in each region is incorrect.

3			4		2	2		2		2	3				0
	2		3			1		3		3	0				
		3			3				2			1			
		2				2			3			1			
	3			1	2			0	3		4		2		
2			2			2					3			2	
2			3					2			1			2	
	2			3		3	3			3		2		3	
		1				3			0				3		
		2			2					3			1		
	3		3			3		3			2		1		
1				3			2	2			2				2

3					0
	1		2		
		2			
2					0
	3		3		
		1			

⊗					⓪
	①	⬛		②	
		②	⬛		
②	⬛				⊗
	③	⬛	⊗	⬛	
		①			

Example (puzz.link) by shye: <https://tinyurl.com/5n77fy8t>
 Puzzle (puzz.link, horizontal): <https://tinyurl.com/2wrfyr82>
 Puzzle (puzz.link, vertical): <https://tinyurl.com/bdf57j8h>

August 25, 2024: Haisu (Cairo Pentagonal)

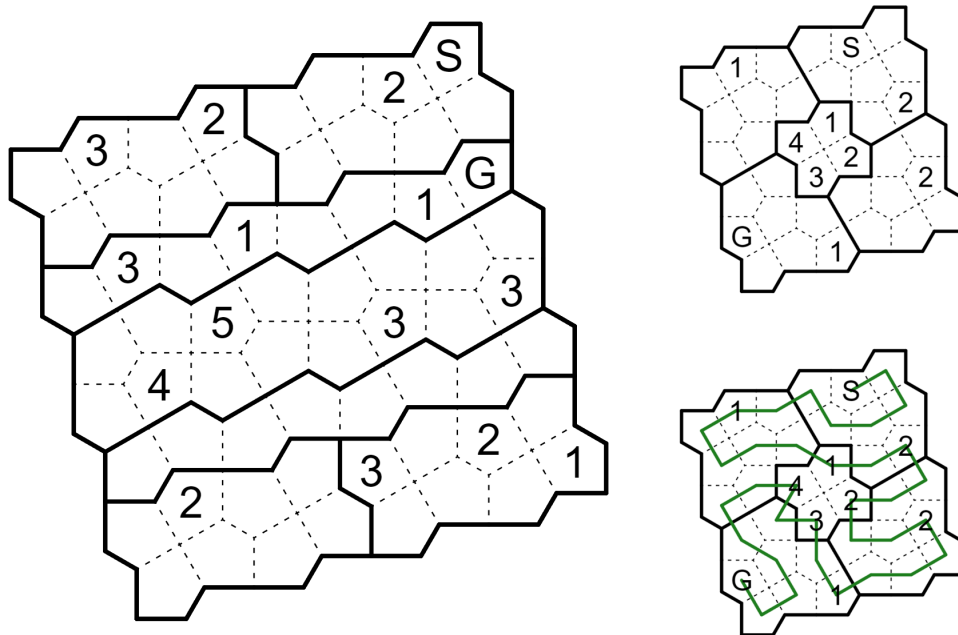
bakpao

Well done to @Shogia, @kinoseidon, @MikoKisai, @Malrog [🐦 wrangler], @malbolgian, @jettyx, @dangernoodle, @AkashG23 🍄 and @OwnOneOddOtter OrOnionOf0gre for guessing today's genre right! 🐶

There's a puzzle drought in bakpao town! I didn't have much time to set the past few months and allocated the time I did have almost exclusively to contests (like UK Open and IPC), and now I've pretty much depleted my backlogs for all the outlets where I post my puzzles. For the first time in two years I ran out of puzzles in the WCPN queue, I'm out of GAPPs and I haven't uploaded anything new to LMI Expo in over 3 months. Oh, and I also still have to author a bunch of puzzles for this year's Serbian puzzle championships. Panic! Sound the alarm! No time for more intro, gotta get authoring!

Today's puzzle is a **Haisu** on a Cairo Pentagonal grid!

Rules: Draw a non-intersecting path through the centers of all cells, starting from the S (start) and finishing at the G (goal). Each clued cell must be traveled through on the path's Nth visit to the region the clue lies within, where N is the value of the clue.



Example (Penpa+): <https://tinyurl.com/yrgvjwau>

Main (Penpa+): <https://tinyurl.com/2mrisa38>

August 26, 2024: A38

Menderbug

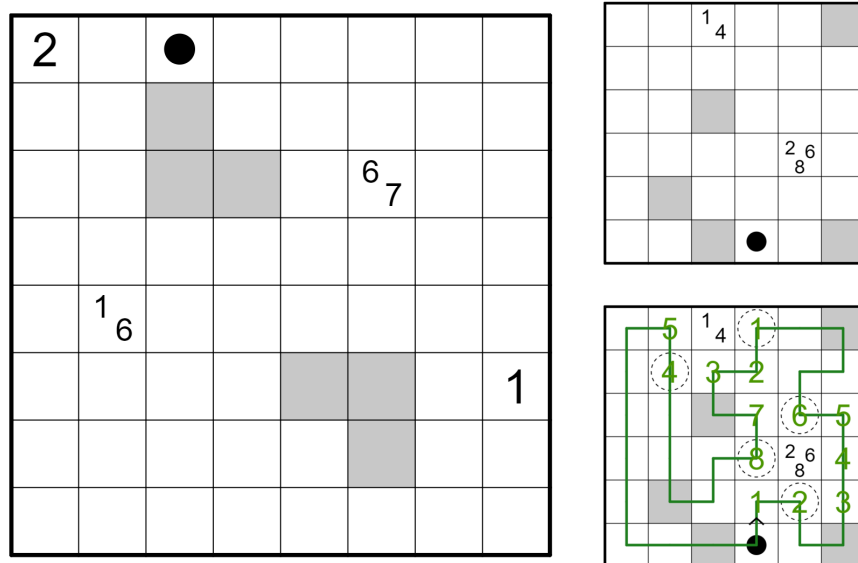
I'm afraid no one earned a bonus otter today. 😞 Maybe we went a little too far today, but we wanted some challenging picks and we know you folks are smart. Initially, I was going to do Compass for this, but then worried it might be too easy. Oh well, better luck tomorrow!

Today we've got **A38**, a genre I've been wanting to feature on GAPP for a while. The genre is named after a fantastic scene from *The Twelve Tasks of Asterix* (the only Asterix film until 2018 with an original screenplay and not adapted from a comic book).

Rules:

- Draw a non-intersecting loop through the centres of all cells without number clues and define its direction of travel.
- The black circle is considered the start (and end) of the loop.
- A traveller moves along the loop. In order to visit a shaded cell, they must first obtain a Permit A38 in a cell which is orthogonally or diagonally adjacent to a number clue.
- A number clue N indicates that the traveller acquires a Permit A38 in the Nth neighbouring cell that the loop visits.
- The traveller cannot hold more than one Permit A38 at a time, and visiting a shaded cell uses up the permit. Hence, the traveller must alternate between obtaining and spending permits.
- At the start of the loop, the traveller holds no permit.

Interface note: You only need to draw the loop, but I've included some auxiliary notation in the example solution to hopefully clarify the rules a bit.



Example (Penpa+): <https://tinyurl.com/2dnzxvb4>
Puzzle (Penpa+): <https://tinyurl.com/29dv3a2w>

August 27, 2024: Martini

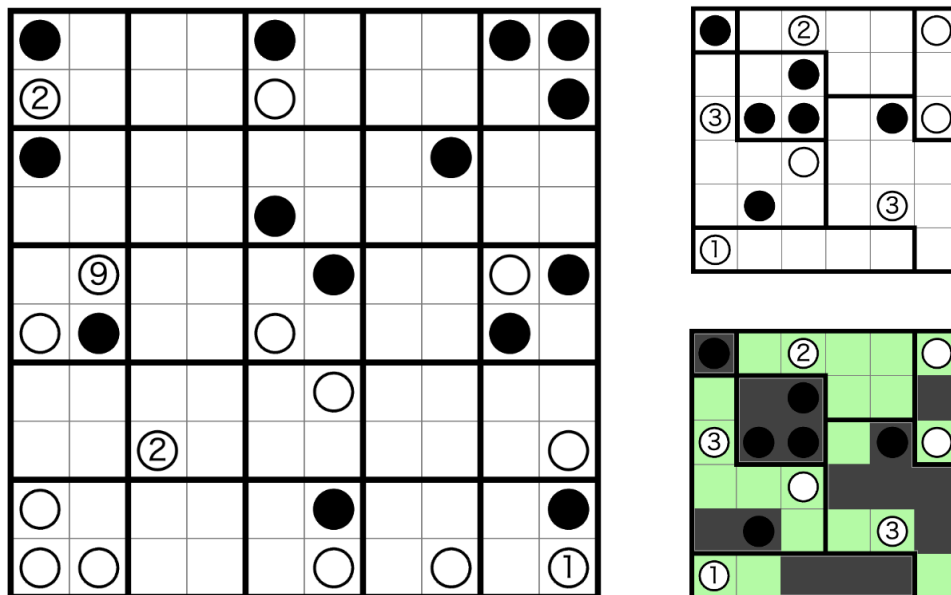
Freddie Hand

Well done to @Stef, @OwnOneOddOtterOrOnionOfOgre, @Mornicus, @ericthered13, @malbolgian, @MikoKisai, @AkashG23 🏆, @Malrog [🐉wrangler] on guessing today's **Martini!** 🍷 Only a few days left now, so keep it up!

皆さん、こんにちは!どうやら、今日のパズルはマティーニです。あなたの好きな色は何ですか? 青ですか? オレンジ? もしかして黒? どこに住んでいますか? 私は日本に住んでいます。ここが好きです!

Hello, GAPP team here. Unfortunately it seems that Freddie's had some sort of stroke and now only knows basic Japanese he learnt in the first few lessons of Duolingo, before losing his streak. We've written the rest of this post on his behalf, and wish him a speedy recovery.

Rules: Shade some cells such that all shaded cells within a region form a single orthogonally connected group. Shaded groups may not be orthogonally adjacent, but must all form a single diagonally connected network. Cells with black circles must be shaded. Cells with white circles must not. A number in a white circle indicates the total number of circles that are in its orthogonally connected area of unshaded cells (*which can go over region borders!*)



Example (Puzz.link), from puzz.link rules page: <https://tinyurl.com/432jjrue>

Puzzle (Puzz.link): <https://tinyurl.com/bsmw5z3x>

(PS I am fine)

August 28, 2024: Kurodoko

Walker

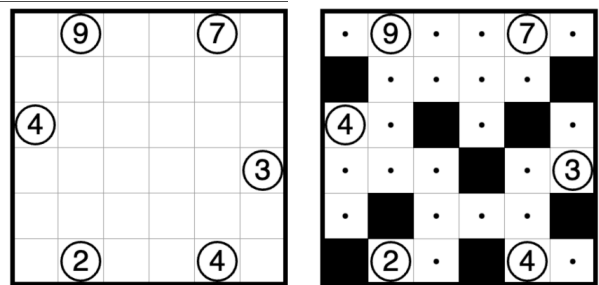
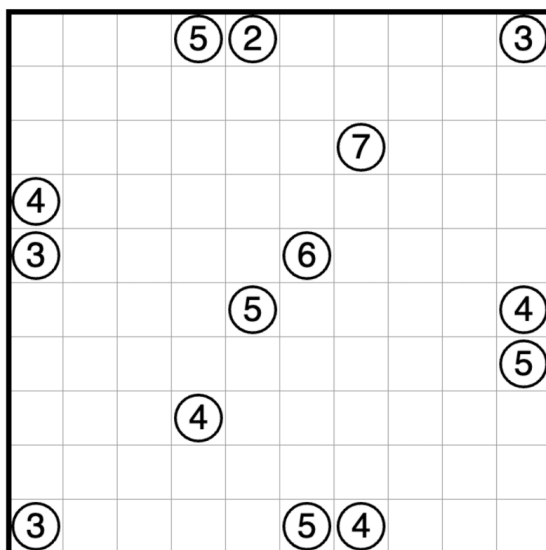
Congrats to kinoseidon, Mornicus, MikoKisai, Stef, kays, ericthered13, malbolgian, Cow, Scephan, Shogia, AkashG23, and RynLorathel for correctly guessing today's genre and earning a **bonus otter!** 🦦

Today's GAPP is a **Kurodoko** (黒どこ)! It's a shortened form of 黒枿はどこだ, translating to "**Where are the black cells?**". There are a lot of interesting correspondences between the Japanese and English names for Nikoli puzzle genres. For instance, you may have heard of the alternate name Light Up used for Akari; but did you know that, instead of Akari, Nikoli uses 美術館 (meaning art museum)?

I've gathered a few less-common English names for Nikoli genres. (Some are reasonably close to the translation, but not exactly the same.) Can you match them with their more common equivalent?

- Bridges
- Islands in the Stream
- Firefly
- Arrow Ring
- Dotty Dilemma

Rules: Shade some cells so that no two shaded cells are orthogonally adjacent and the remaining unshaded cells form one orthogonally connected area. Clues cannot be shaded, and represent the total number of unshaded cells that can be seen in a straight line vertically or horizontally, including itself.



Example (puzz.link) by shyee:
<https://tinyurl.com/2p99nhwt>

Puzzle (puzz.link):
<https://tinyurl.com/4dvjrhyj>

August 29, 2024: Kakuro

Lavaloid

Wait, it's already my last August post? Time sure flies 🤔 I'd like to take the chance to thank everyone for participating in Guess-the-Genre August (not official name). And to everyone who found the trick: great job! A good round of applause from all of the GAPP team.

Anyways, today's GAPP is a **Kakuro**. Well done to Stef, Cow, Malrog, MikoKisai, AkashG23 🙌, ericthered13, malbolgian, Mornicus, Shogia, dangernoodle! 🍝

Rules:

- Place a number from 1 to 9 into each empty cell so that no number is repeated in any unobstructed horizontal or vertical line.
- A clue on the bottom of a blocked cell represents the sum of the numbers in the vertical line below it. A clue on the right side of a blocked cell represents the sum of the numbers in the horizontal line to its right.
- Clues cannot see numbers through other blocked cells.

GAPP 101: See [Appendix 2](#)

	10		9		16		12
24				11			
				4			
9			25				
		30			6		
	16			7			
	19						24
18					10		
				4			
9				11			

	7	10			
6					
	5			10	
		12			
7					

	7	10			
6	3	2	1		
	5	4	1	10	
		12	3	9	
7	2	4	1		

Example (Penpa+) by clover: <https://tinyurl.com/5xxskspr>

Example (Sudokupad): <https://sudokupad.app/fwp32s7b47>

Puzzle (Penpa+): <https://tinyurl.com/258jjryl>

Puzzle (Sudokupad): <https://sudokupad.app/dyq3tig8ls>

August 30, 2024: Cave (Product)

bakpao

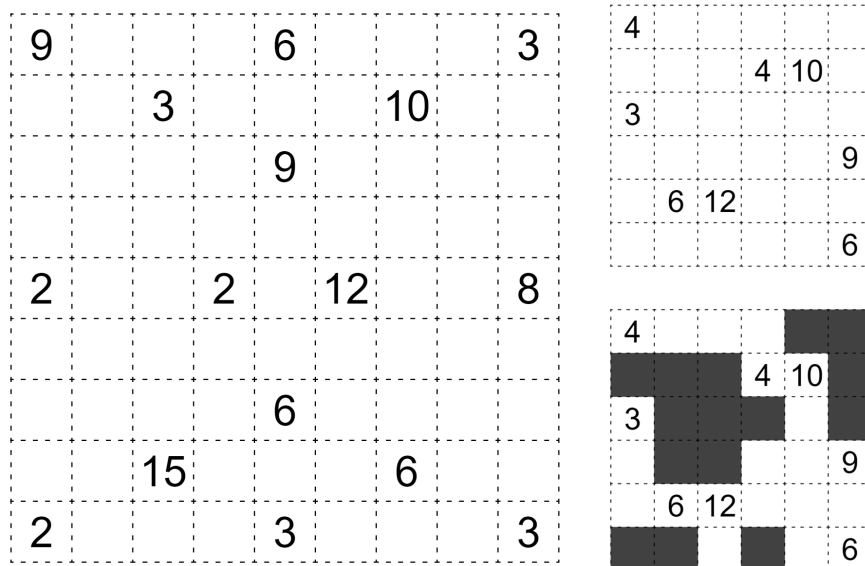
Congratulations from all of us go out to Shogia, Mornicus, Malrog, AkashG23, MikoKisai and ericthered13 for guessing today's genre right! It's the final day of the guessing game 🐻 Pay close attention to the intro, maybe you'll end up the next proud owner of a bonus otter! 🙄

Today's puzzle is a **Cave (Product)**!

Right, maybe this one was also a bit cheeky as Cave is sometimes known by a different name (Bag or Corral), just like the previous two puzzles. Our puzzle from two days ago, Kurodoko, can also be found as Kuromasu. Maybe you've also heard of Cross Sums, an alternative name for yesterday's genre Kakuro, making an appearance at last year's WSPC. Another interesting one I hadn't heard of is Shiromaru-Kuromaru - can you guess what the more common name for this genre is?

Rules: Shade some cells so that the shaded cells are all connected orthogonally by other shaded cells to the edge of the grid, and the remaining unshaded cells form one orthogonally connected area. Clues cannot be shaded, and represent the product of the number of unshaded cells that can be seen in a straight line vertically and horizontally, including itself.

GAPP 101: (ROT13) Gur purpxreobneq qrqhpqvba sebz n abezny Pnir chmmyr fgvyv nccyvrf gb guvf inevnag! Nal gjb-ol-gjb nern pnaabg or n purpxreobneq bs funqrq naq hafunqrq pryvf. Guvf vf orpnhfr gb pbaarpq nyy gur hafunqrq pryvf vagb bar fvatyv pnir, lbh jbhyyq unir gb jenc nebhaq bar bs gur funqrq pryvf, naq va ghea fgbc vg sebz pbaarpgvat gb gur rqrtr bs gur tevfq.



Example (Penpa+): <https://tinyurl.com/254yr1ro>

Puzzle (Penpa+): <https://tinyurl.com/253mgdjm>

August 31, 2024: Roma

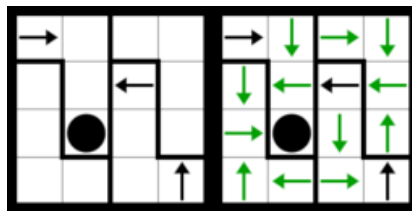
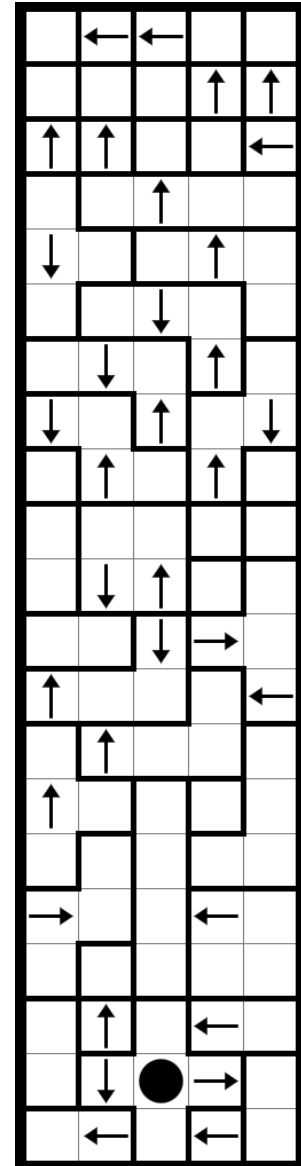
Menderbug

Congrats to @Cow, @Stef, @AkashG23 🏆, @Mornicus, @MikoKisai, @ericthe red13, @Malrog [🐉wrangler], @JonBob, @Shogia, @malbolgian for earning the final bonus offers this August. As most of the regular guessers figured out eventually, each post contained the next day's genre somewhere, usually split across multiple words. Initially, we only hid them in the intros, but eventually we put them just about anywhere in the message. Before we embarked on this, we brainstormed a lot of phrases we could use to hide genres in. Here are some gems that we didn't end up using:

- Christmas/Yuletide
- I will have no yak odor in this house!
- black ink on kangaroo hide
- Nairobi? Nairobi!
- "let's get ur nan drunk"

Anyway. I'm not convinced that *all* roads lead to **Roma** but this one certainly did.

Rules: Place an arrow into each empty cell of the grid, each pointing in one of the four cardinal directions. No two arrows within the same region may point in the same direction. After all arrows have been placed, starting from any cell and stepping one cell in the direction of the arrow must always eventually lead to a cell with a black circle.

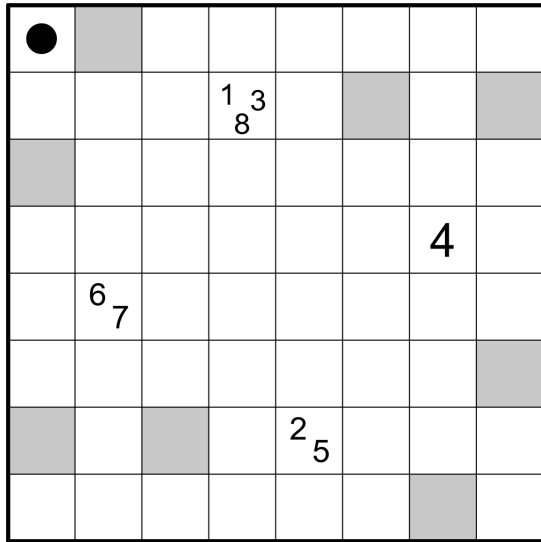


Interface note: If you switch the input mode to "Check route" you can click/tap on a cell and see (a) where this cell leads and (b) all cells leading to this cell.

A small **GAPP 101**: (ROT13) Gur neebjf pna arire sbez n ybbc, fvapr abar bs gur neebjf va gur ybbc jbyhq ernpu gur pvepyr.

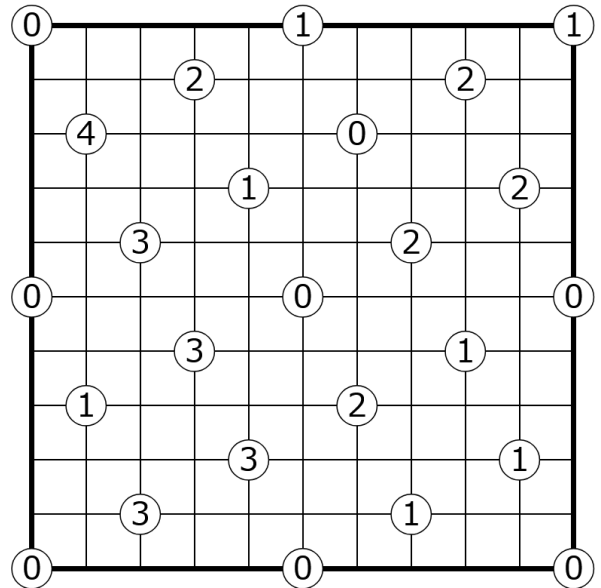
Example (puzz.link) by Shye: <https://tinyurl.com/3bzh38x6>
Puzzle (puzz.link, Portrait): <https://tinyurl.com/yzj2yrvp>
Puzzle (puzz.link, Landscape): <https://tinyurl.com/43kead9j>

Bonus 1: A38 | Menderbug



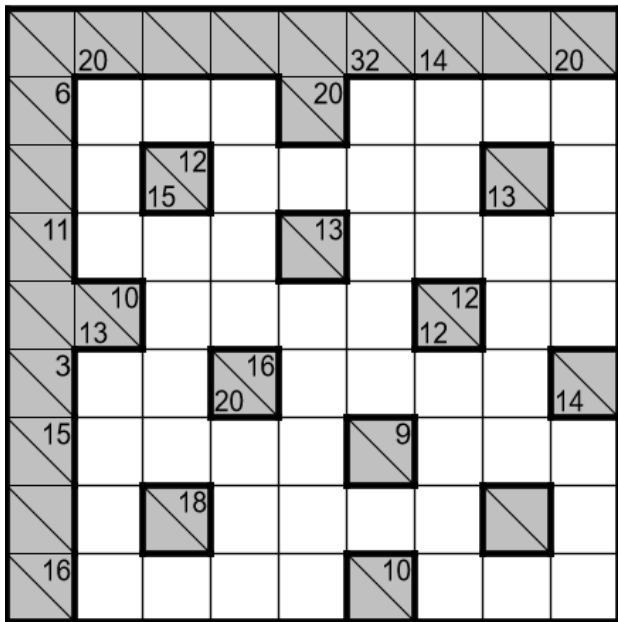
Example (Penpa+): <https://tinyurl.com/2dnzxb4>
 Bonus (Penpa+): <https://tinyurl.com/27hgj53>

Bonus 2: Creek (No 4 in a row) | Menderbug



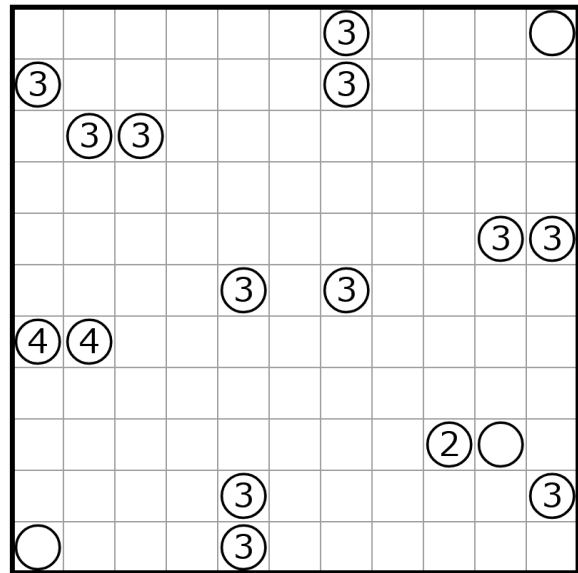
Example (puzz.link): <https://tinyurl.com/y5rrkwxe>
 Example (Penpa+): <https://tinyurl.com/2asg4l6f>
 Bonus (puzz.link): <https://tinyurl.com/yecw9d7c>
 Bonus (Penpa+): <https://tinyurl.com/2597tsk2>

Bonus 3: Kakuro | Lavaloid



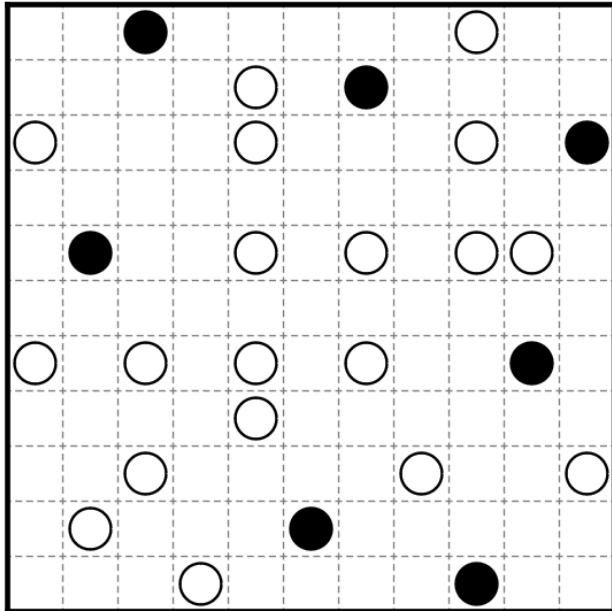
Example (Penpa+) by clover: <https://tinyurl.com/5xxskspr>
 Bonus (Penpa+): <https://tinyurl.com/29k4p29v>

Bonus 4: Kurodoko | Walker



Example (puzz.link) by shyee: <https://tinyurl.com/2p99nhwt>
 Bonus (puzz.link): <https://tinyurl.com/4wchhcbm>

Bonus 5: Masyu | Freddie Hand

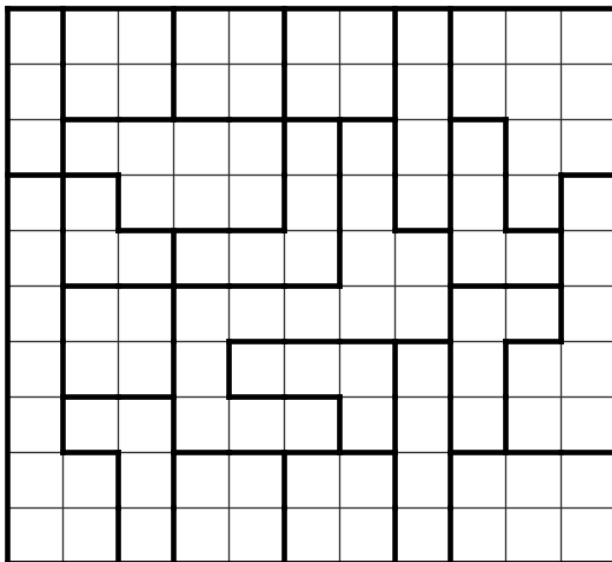


Rules: Draw a non-intersecting loop through the centers of some cells that passes through every circle. The loop must turn on black circles and travel straight through the cells on either side. The loop must go straight through white circles, and turn in at least one of the cells on either side.

Example (puzz.link) by Eric:
<https://tinyurl.com/37kxaswe>

Bonus (puzz.link):
<https://tinyurl.com/syrhybzy>

Bonus 6: Norinori | Freddie Hand



Note: This is a standard Norinori, without the Connectivity rule.

Rules: Shade some 1x2 dominoes of cells so that every region contains exactly two shaded cells. Shaded dominoes may not touch orthogonally. Dominoes may exist in multiple regions but are not required to.

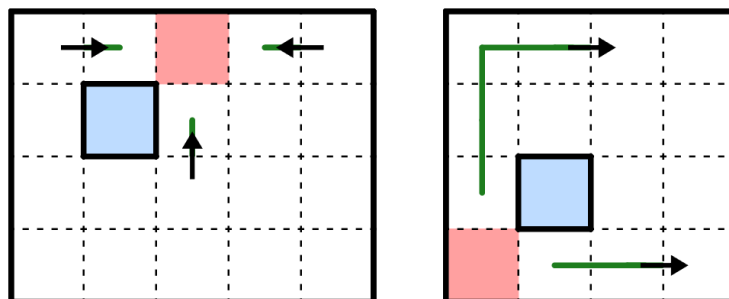
Example (puzz.link) by Tyrgannus:
<https://tinyurl.com/2p8k4xkn>

Bonus (puzz.link):
<https://tinyurl.com/ycxyx2jx>

Date	Sloth Time	Crab Time	
01 Aug 2024	0:01:30	0:03:00	Milly the Antshrike
02 Aug 2024	0:02:45	0:05:30	Wrangling Wren
03 Aug 2024	0:08:00	0:16:00	Geo Cacholote
04 Aug 2024	0:01:45	0:03:45	Unhinged Umbrellabird
05 Aug 2024	0:02:45	0:05:30	Daydreaming D'Arnaud's Barbet
06 Aug 2024	0:03:30	0:07:00	Sandwigeon
07 Aug 2024	0:03:15	0:06:30	Odyssean Oilbird
08 Aug 2024	0:01:45	0:03:30	Long-Tufted Screen Owl
09 Aug 2024	0:02:45	0:06:00	Mariana Malia
10 Aug 2024	0:05:00	0:10:00	Spanish Sparrow
11 Aug 2024	0:01:30	0:03:00	Partying Partridge
12 Aug 2024	0:02:45	0:05:15	Ornate Orange Oriole
13 Aug 2024	0:03:30	0:05:30	Calm Chaco Chachalaca
14 Aug 2024	0:01:35	0:03:21	Non-Euclidean Nechisar Nightjar
15 Aug 2024	0:04:00	0:08:00	Snowy Sanderling
16 Aug 2024	0:02:30	0:05:00	Candlelight Canary
17 Aug 2024	0:03:00	0:06:15	Wreturn of the Wren
18 Aug 2024	0:02:30	0:04:00	Listless Little Stint
19 Aug 2024	0:03:30	0:07:10	upside-down egg from an unknown bird
20 Aug 2024	0:03:00	0:06:00	PATAAAAculo
21 Aug 2024	0:01:30	0:03:00	Screeching Creek Creeper
22 Aug 2024	0:02:30	0:05:15	Fantasy Fantail
23 Aug 2024	0:02:15	0:04:00	Craning-Forward Crane
24 Aug 2024	0:06:30	0:13:00	Lying Little Lorikeet
25 Aug 2024	0:03:30	0:07:00	Egyptian Egret
26 Aug 2024	0:02:30	0:05:00	Secretarybird
27 Aug 2024	0:03:00	0:06:15	Tipsy Stipplethroat
28 Aug 2024	0:02:15	0:04:00	Unfamiliar Chat
29 Aug 2024	0:04:30	0:10:00	Commendable Common Crane
30 Aug 2024	0:03:00	0:06:00	Monochromatic Maestro Manucode
31 Aug 2024	0:05:00	0:10:00	Roman Hawk-Owl

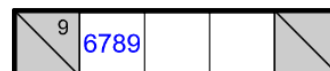
Appendix 1: Icebarn (Aug 15) GAPP 101

Whenever N path segments with the same directionality all point at a common directly adjacent cell with N available exits, that cell cannot be visited by any segments! If a segment were to visit the cell, it would be forced to connect to a segment with opposite directionality. The spoiled image shows two instances of these cells in red.



Appendix 2: Kakuro (Aug 29) GAPP 101

Look out for lines where the sum of the minimums/maximums of each cell equals the given sum. For example, if a 3-cell line has one cell which must be at least 6, the minimum value of that line is $6+1+2 = 9$. If that line must sum to 9, then you can place a digit and some pencil marks (see image).



↓ therefore...

