TIKTAKA

Tiktaka is a puzzle that tests your logical thinking and spatial awareness.

Each puzzle is unique and will be solvable using your skills of deduction rather than guess-work.

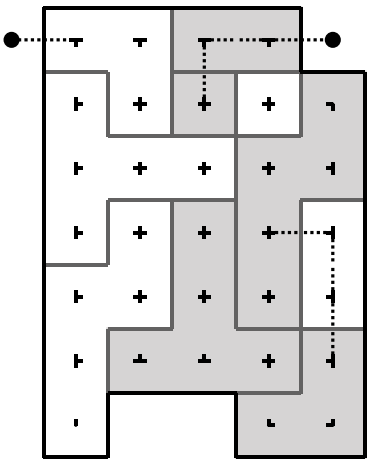
Example:

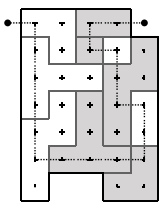
Complete a single path that passes through each shape exactly once.

Importantly the path moves through each *matching pair* of SHADED and UNSHADED shapes in the *same way* – however it may be rotated, mirrored, or sometimes both!

(In this example look at how the path moves through the 2-block shape)

The start and end of the path will always be provided and some of the path may have been completed for you.





Solution

This is a large document so please use the guide below to only print the pages you are interested in.

Have fun and enjoy!

Want to find out if Tiktaka is the puzzle for you?

Try a set of taster puzzles.

Pages 2-3

Tiktaka looks like my kind of puzzle!

Work your way through the full puzzle set.

Pages 4-16

New to logic puzzles or stuck with Tiktaka?

Follow a full walk-through of the puzzle above.

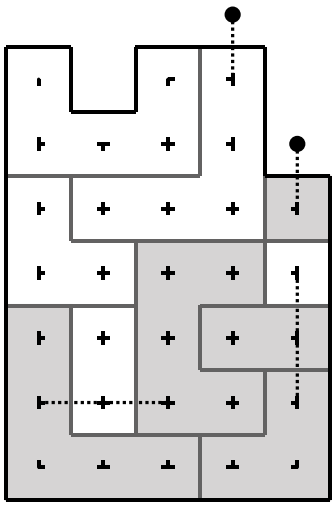
Pages 17-18

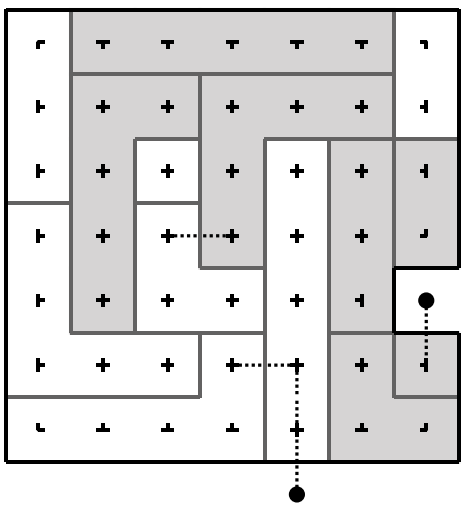
Complete a single path that passes through each shape exactly once. The path moves through each *matching pair* of SHADED and UNSHADED shapes in the *same way.*

A nice mini puzzle to start you off.

Notice that the path moves through the shaded and unshaded 2-block shapes in the same way (as per the rules).

Hint: Focus on the U-Shape. Which EDGES are blocked in the unshaded shape? What does this mean for the shaded shape and does this help determine where the path goes?





Slightly larger, but don't panic, the solving techniques remain the same.

You've just got a bit more work to do, that's all.

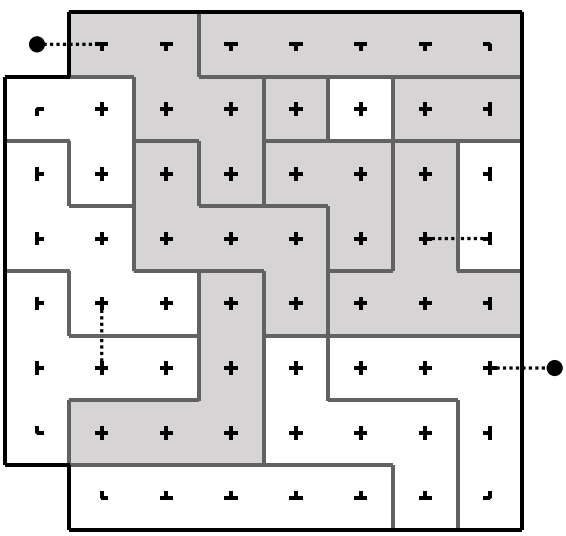
Hint: Look at the way the path enters asymmetric shapes (such as the long L-shape) they can be very useful.

A bit larger again, also there are fewer paths provided so it is a bit trickier.

No hint this time, you're on your own!

Tiktaka puzzles get much larger and tougher than this.

Why not try the full set of puzzles.



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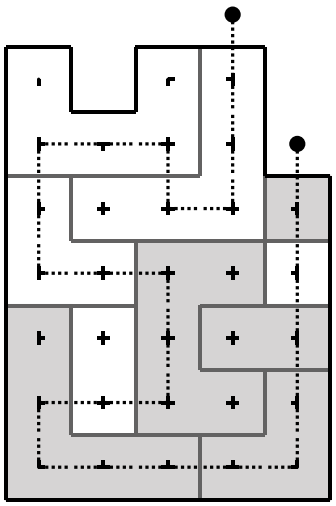
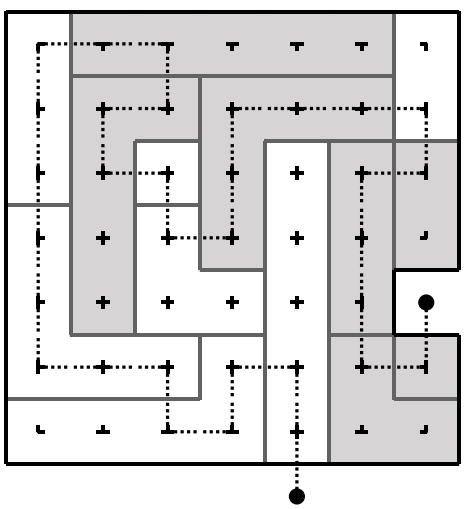
If you used the hint to look at the unshaded U-shape then you would have worked out that the path could not enter the shaded U-shape from the right hand side.

Therefore the path must continue to run down the right hand of the grid.

This in turn shows you how the path must move through the small L-shapes.





The asymmetric L-shape is the key to this puzzle.

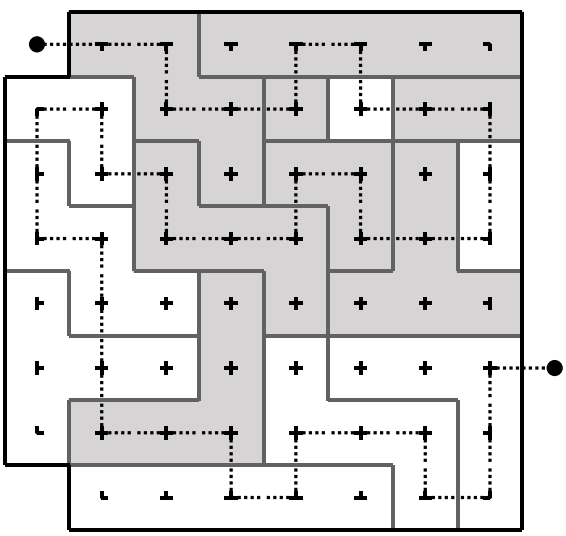
You are told where the path enters the unshaded L-shape so you can immediately draw the path into the shaded L-shape.

This then helps you solve the shaded long-5 shape.

If your spatial awareness skills are keen then you possibly worked out the path through the shaded zig-zag shape immediately.

However, the great thing about Tiktaka is that there are plenty of different ways to solve them.

Why not give the full set of puzzles a go?



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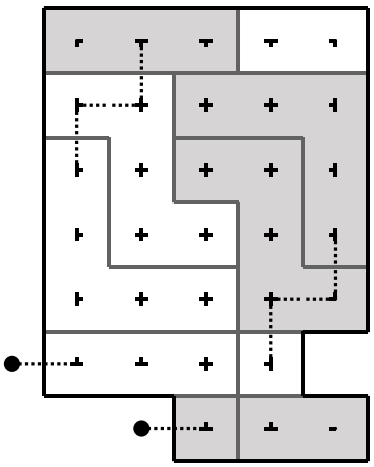
TIKTAKA
EASY
Mini

1.



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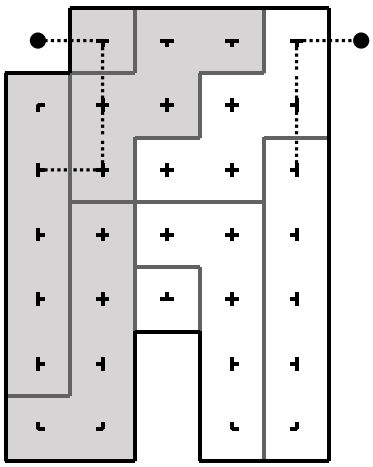

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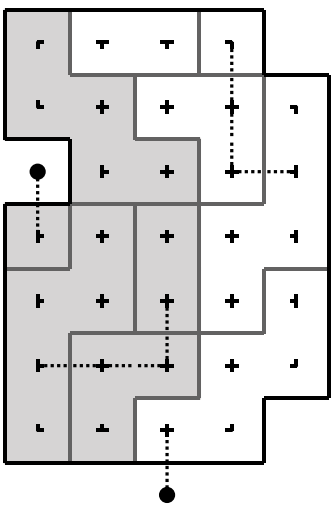

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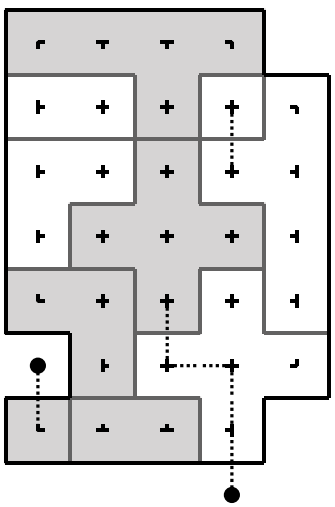

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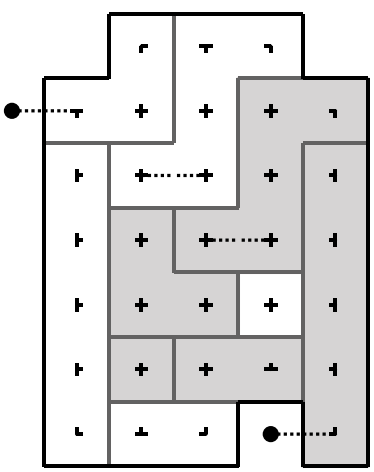

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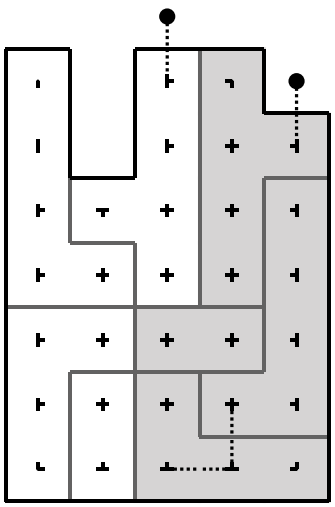

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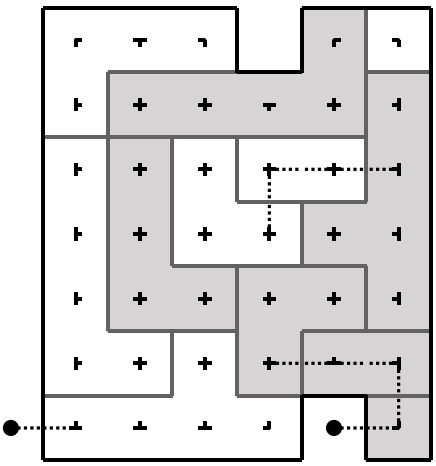

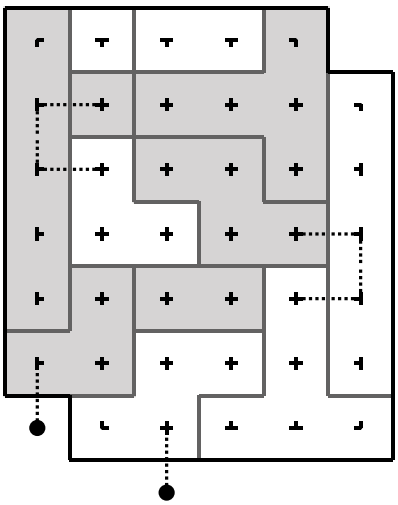

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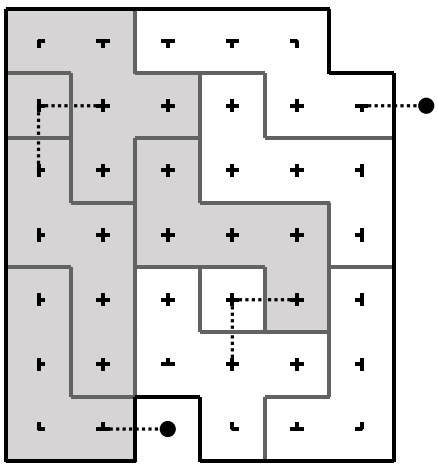

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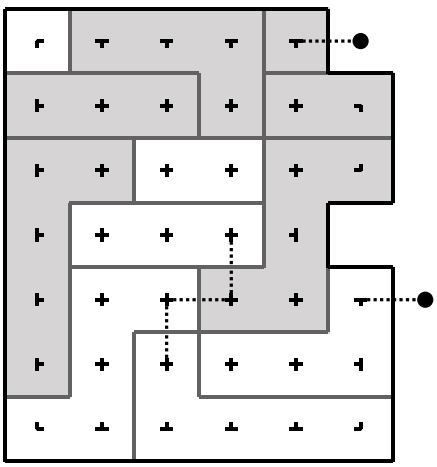

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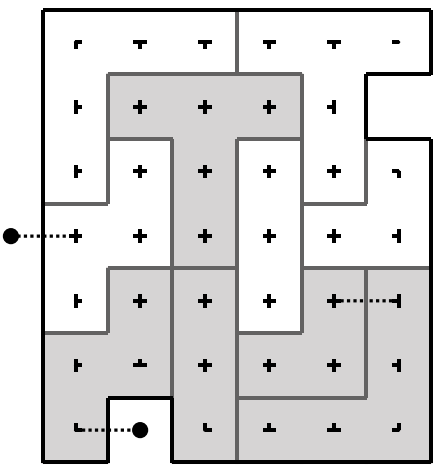

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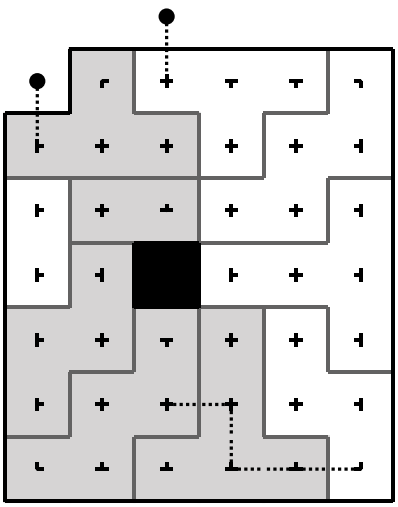

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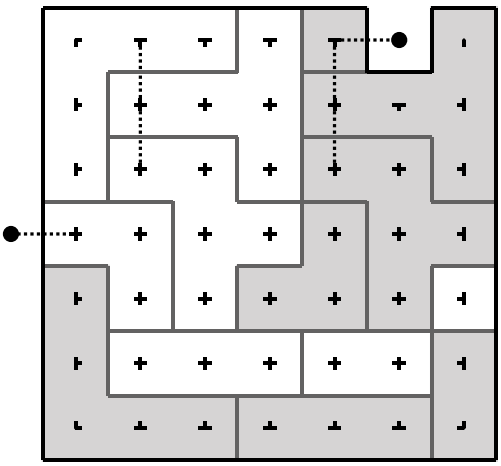
TIKTAKA
EASY
Small

13.



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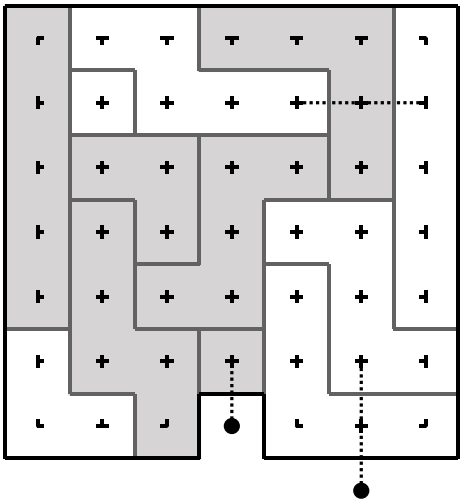

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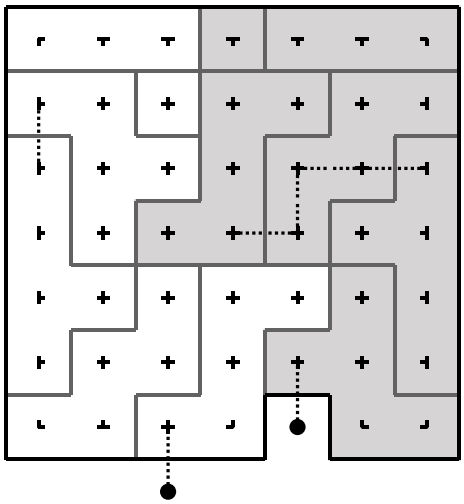

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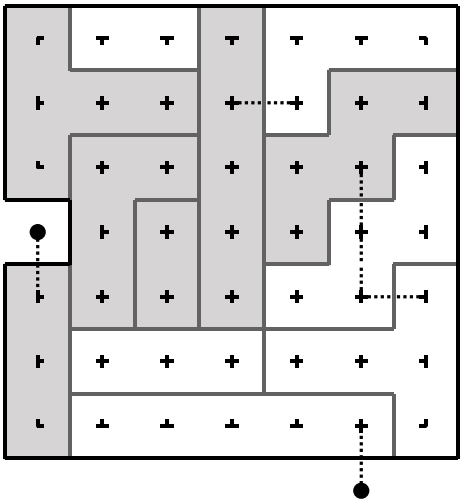

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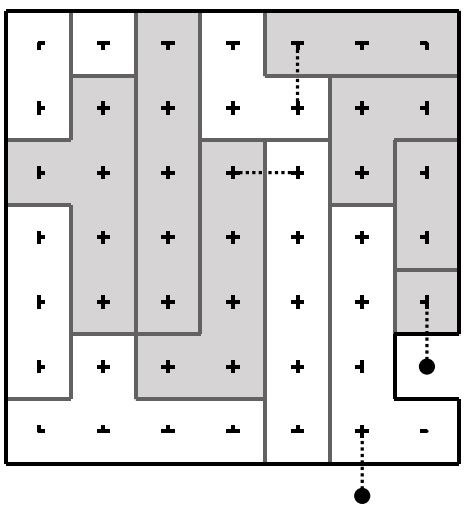

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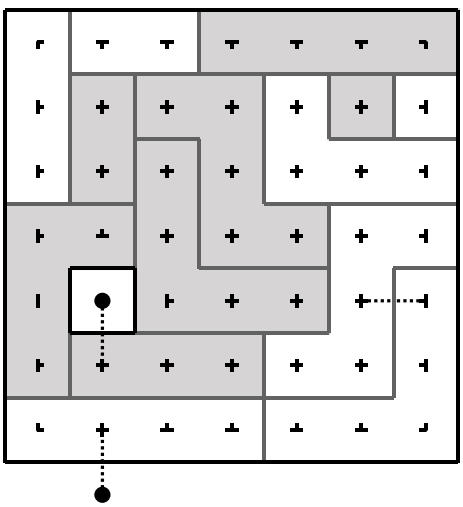

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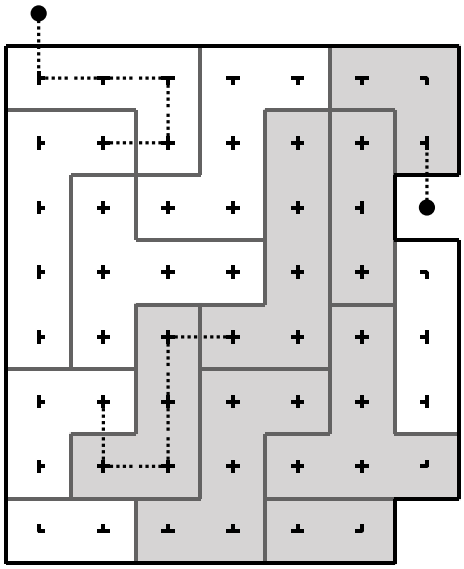

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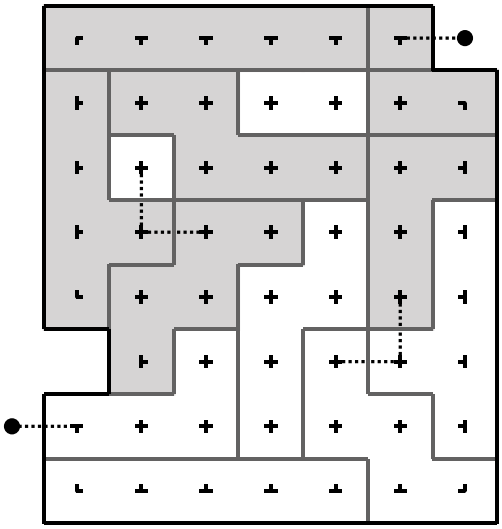

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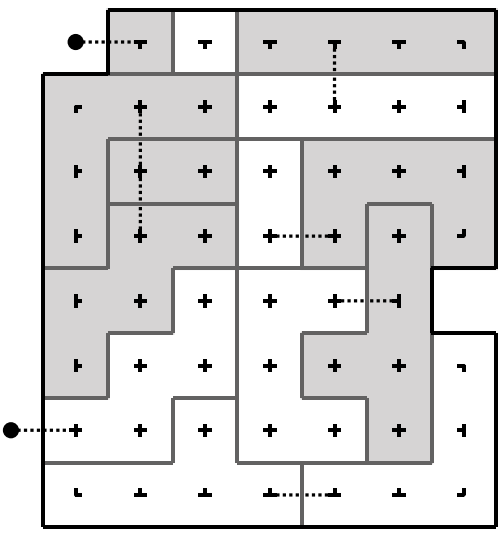

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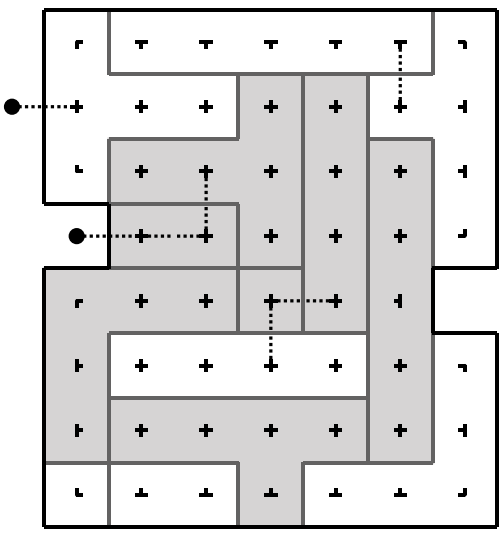

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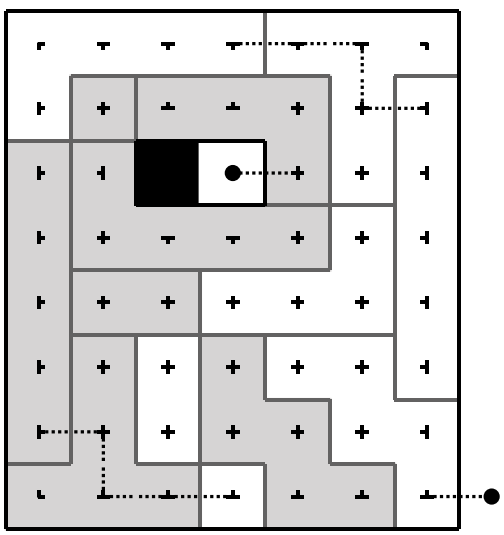

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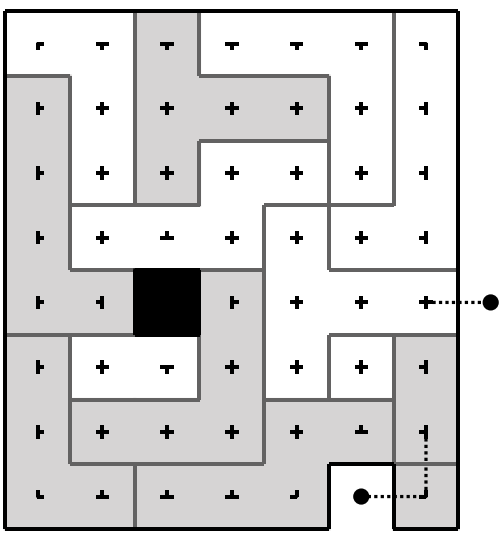

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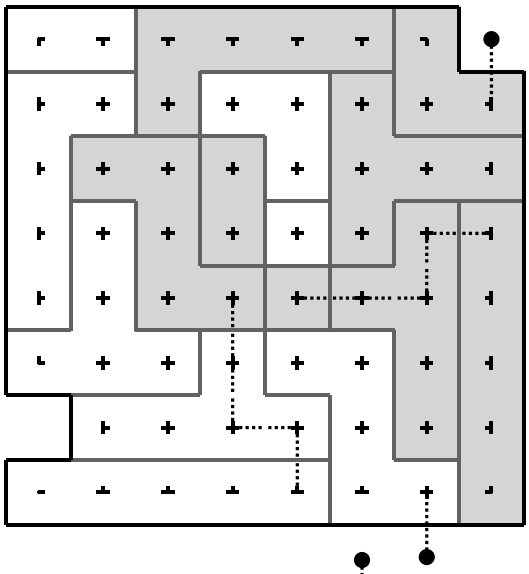
TIKTAKA
EASY
Large

25.



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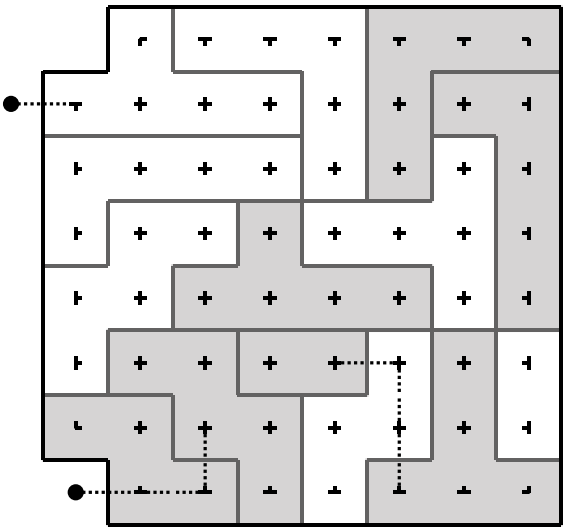

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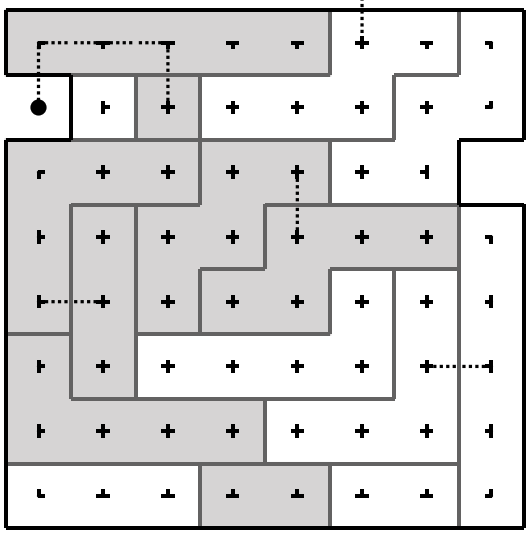

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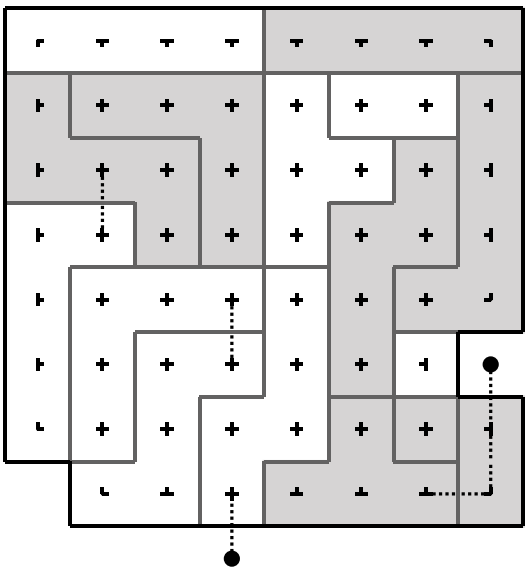

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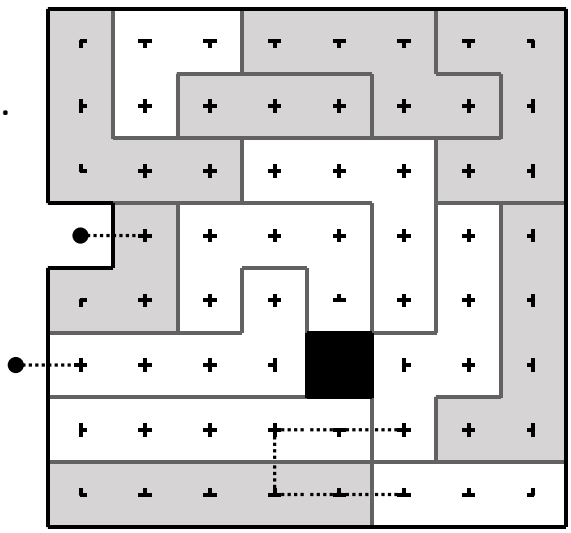

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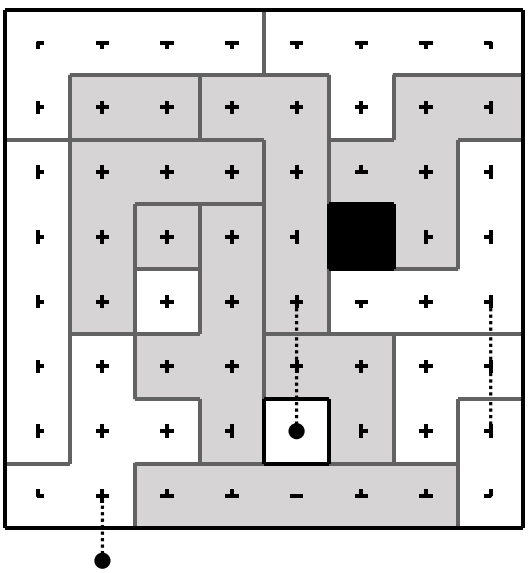

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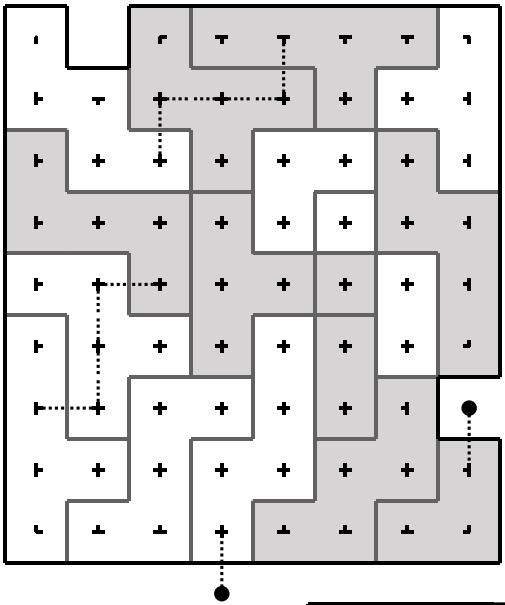
TIKTAKA
EASY
Huge

31.



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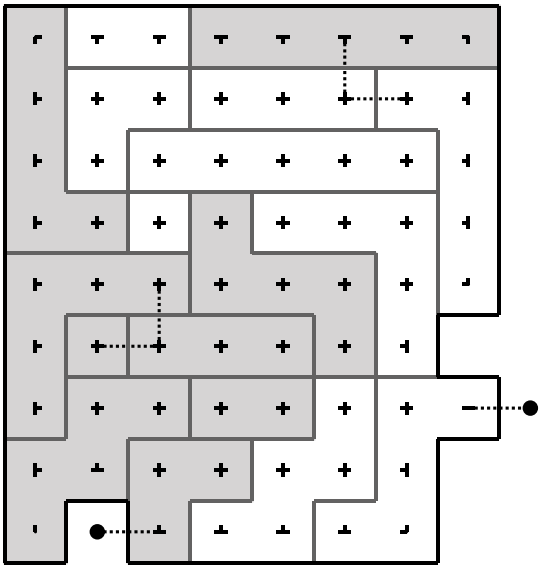

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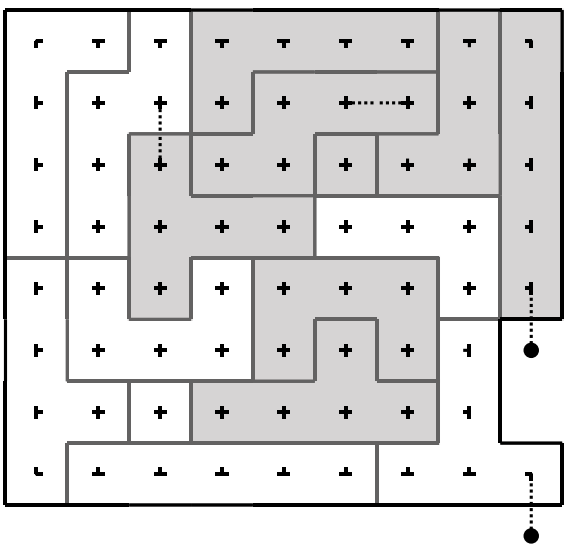

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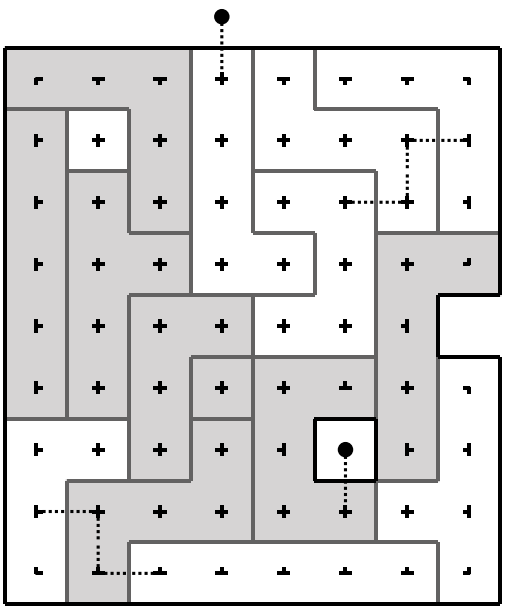

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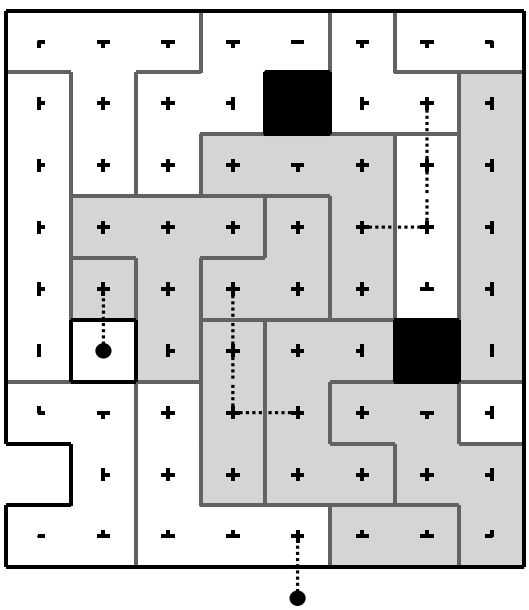

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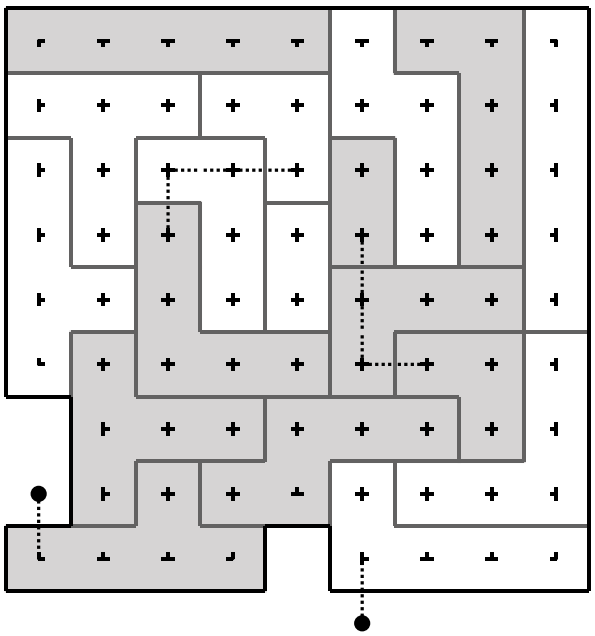

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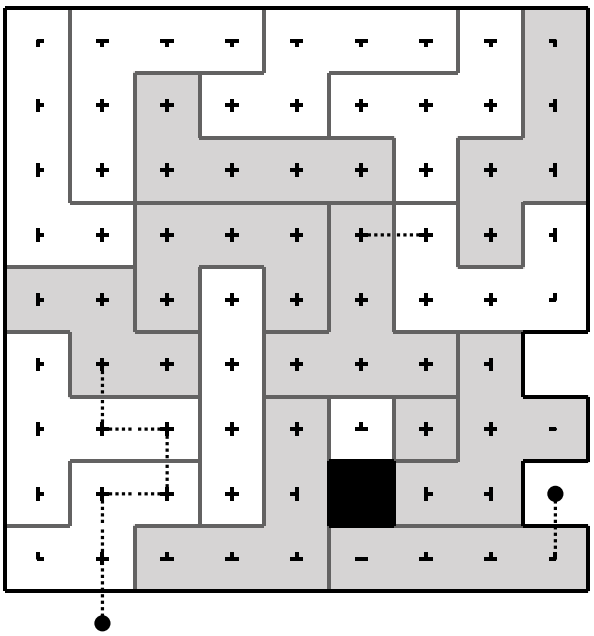

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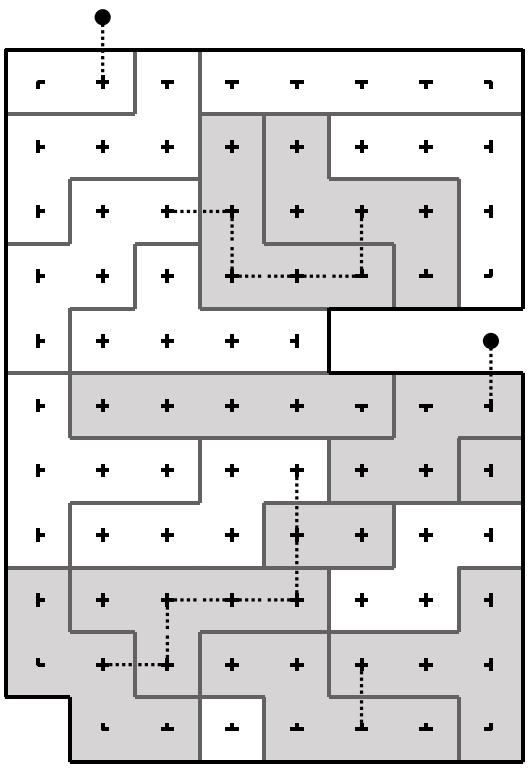

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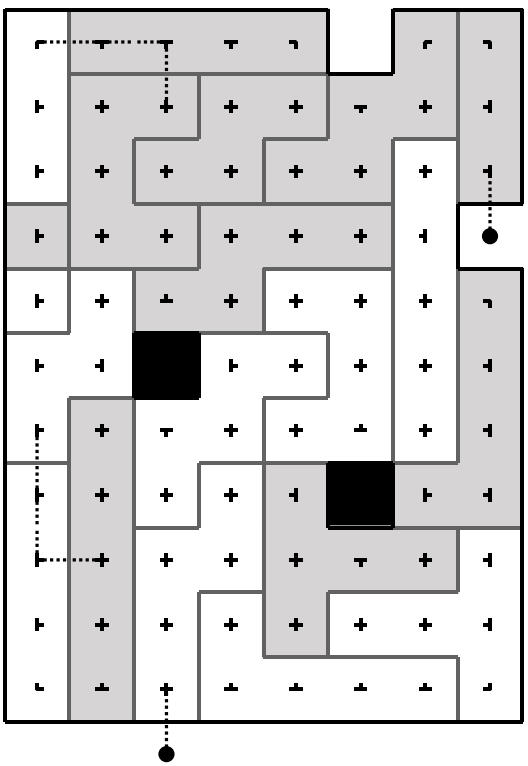

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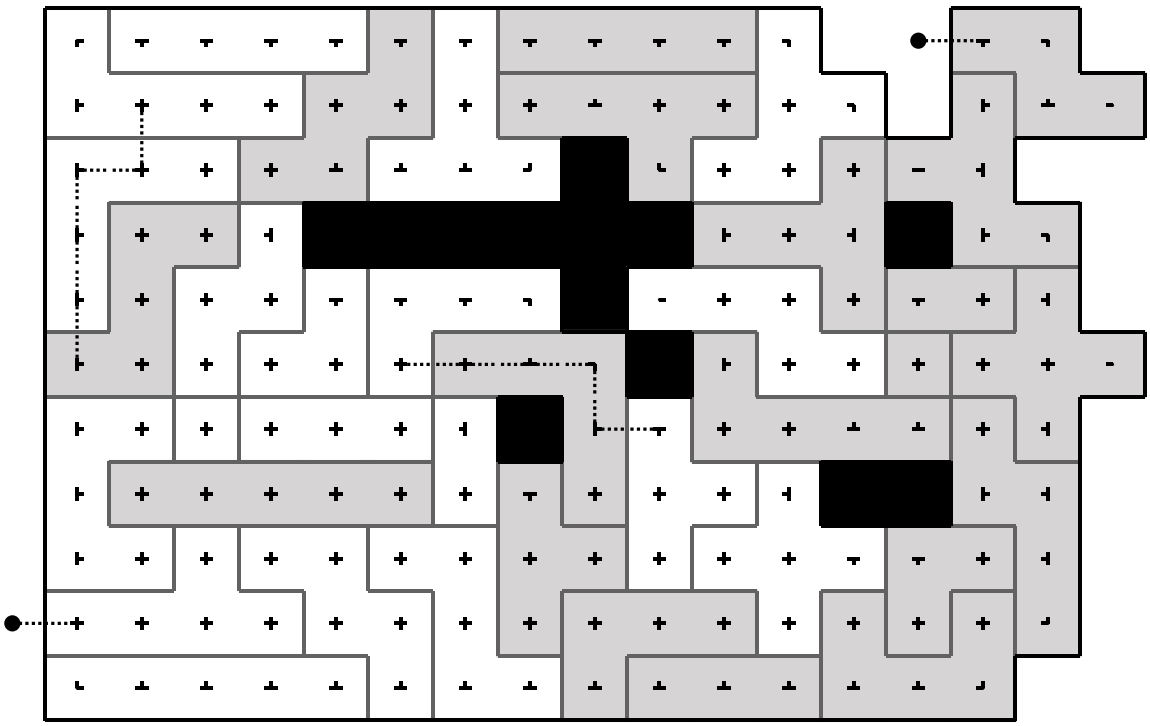

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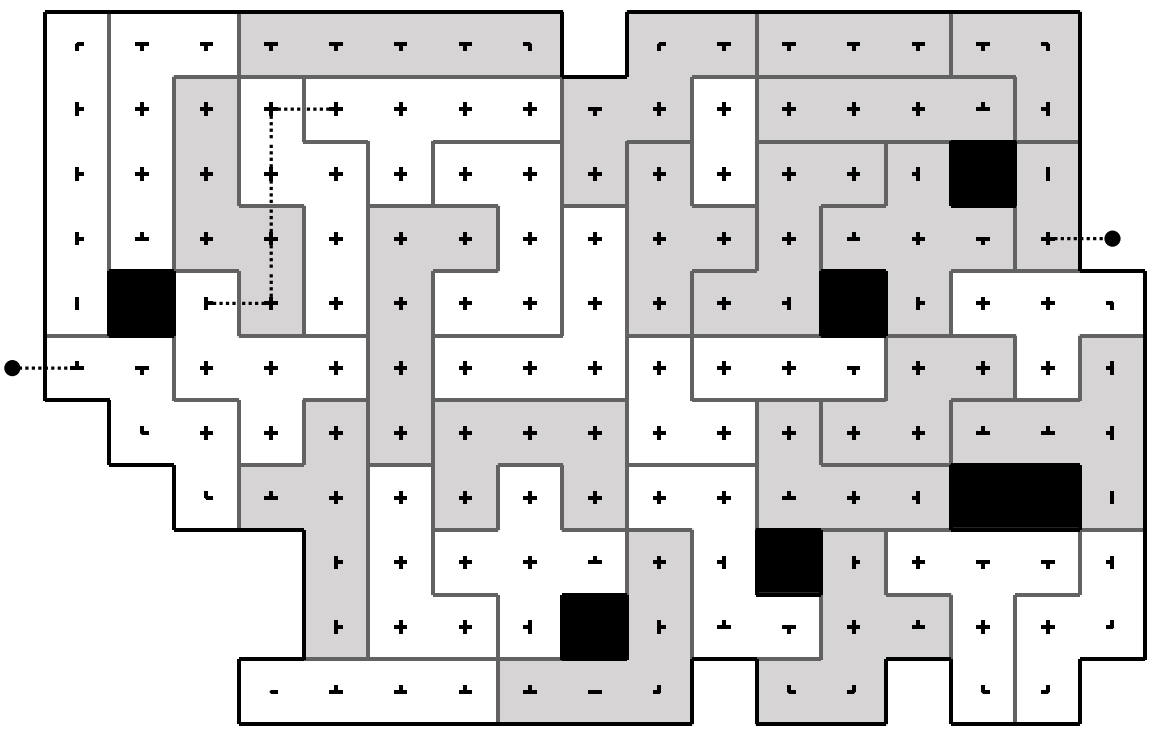

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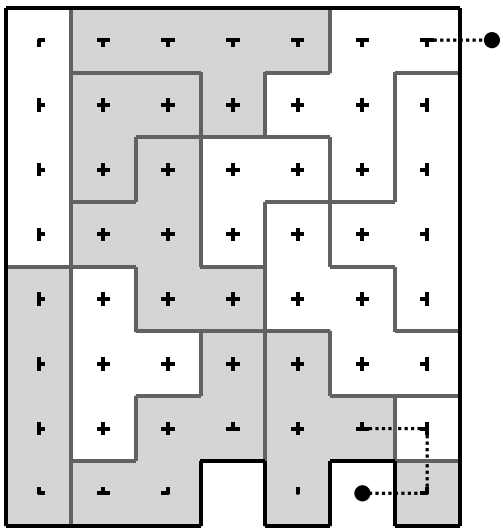
Now you are nicely warmed up, here are some MEDIUM difficulty puzzles …

42.



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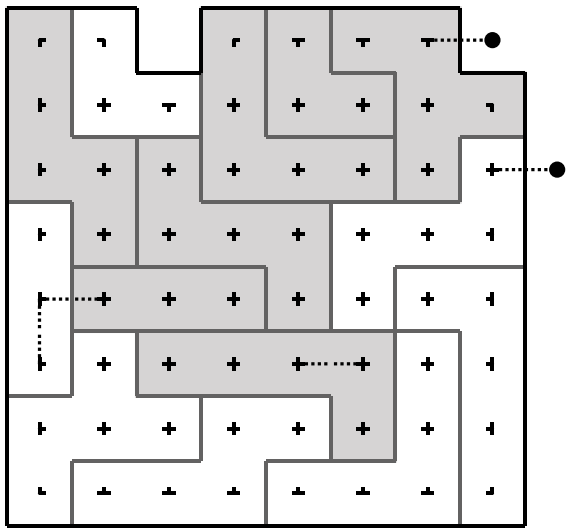

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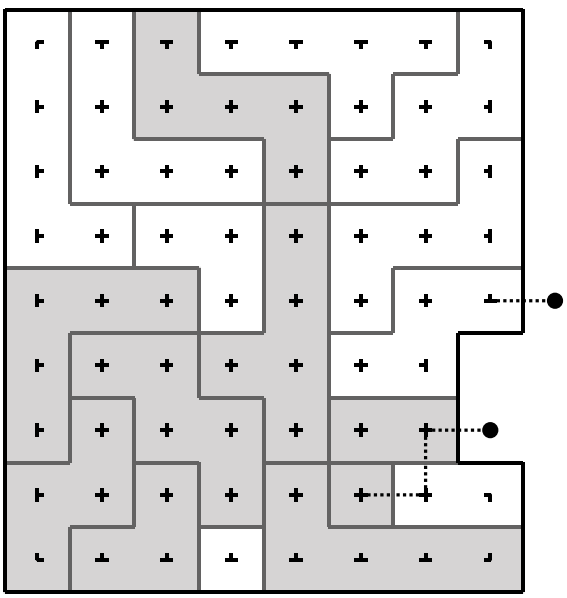

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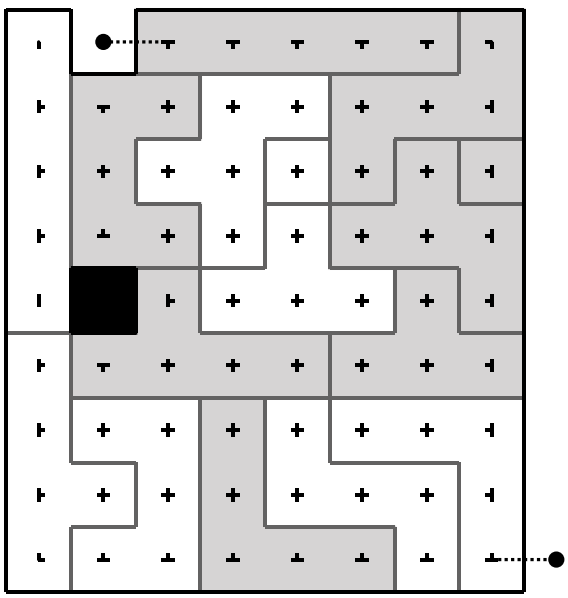

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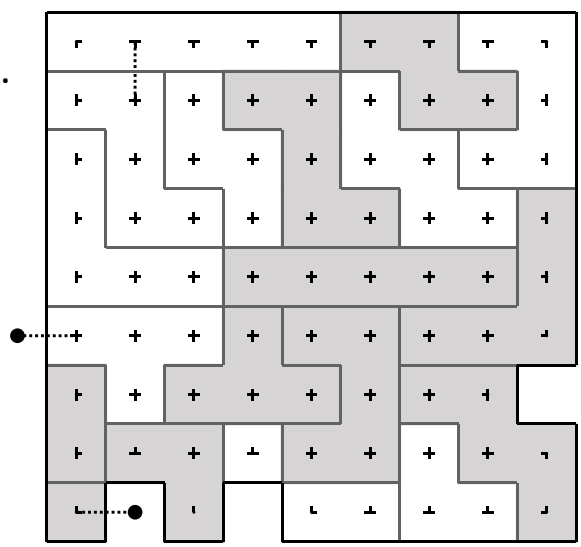

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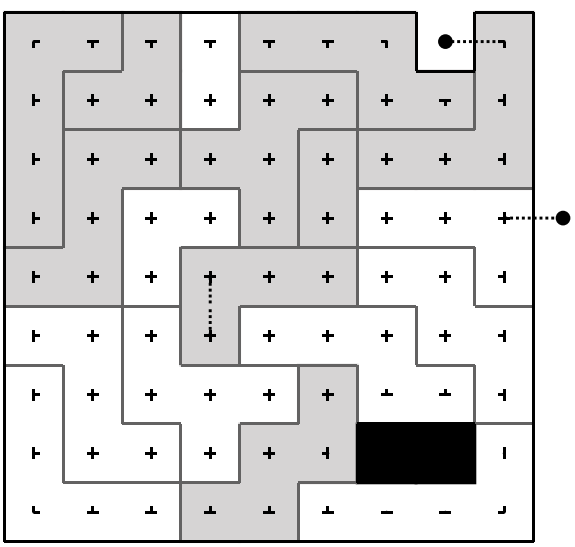
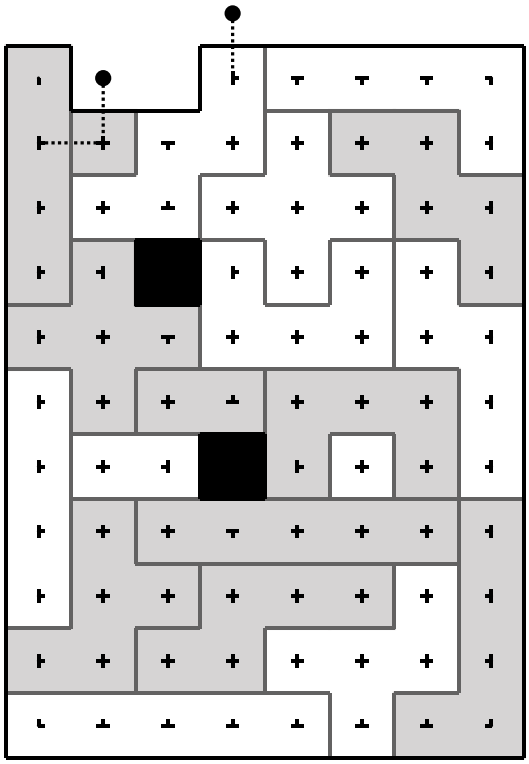


Complete a single path that passes through each shape exactly once.
The path moves through each *matching pair* of SHADED and UNSHADED shapes in the *same way.*

48.



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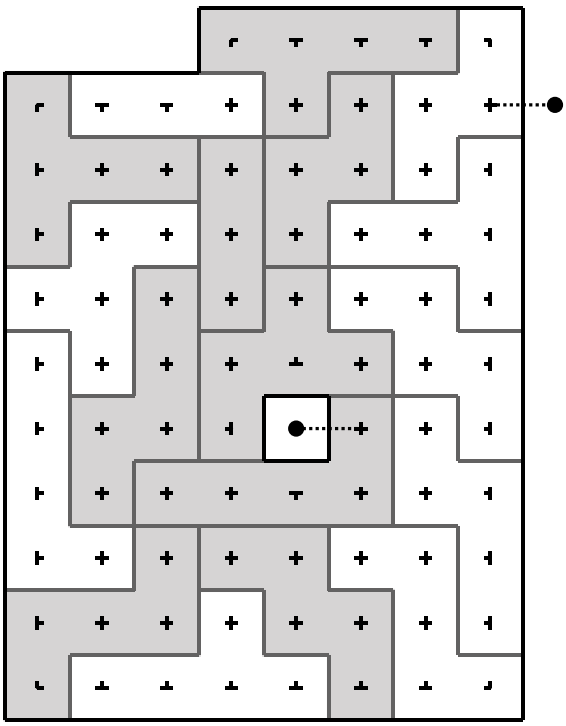

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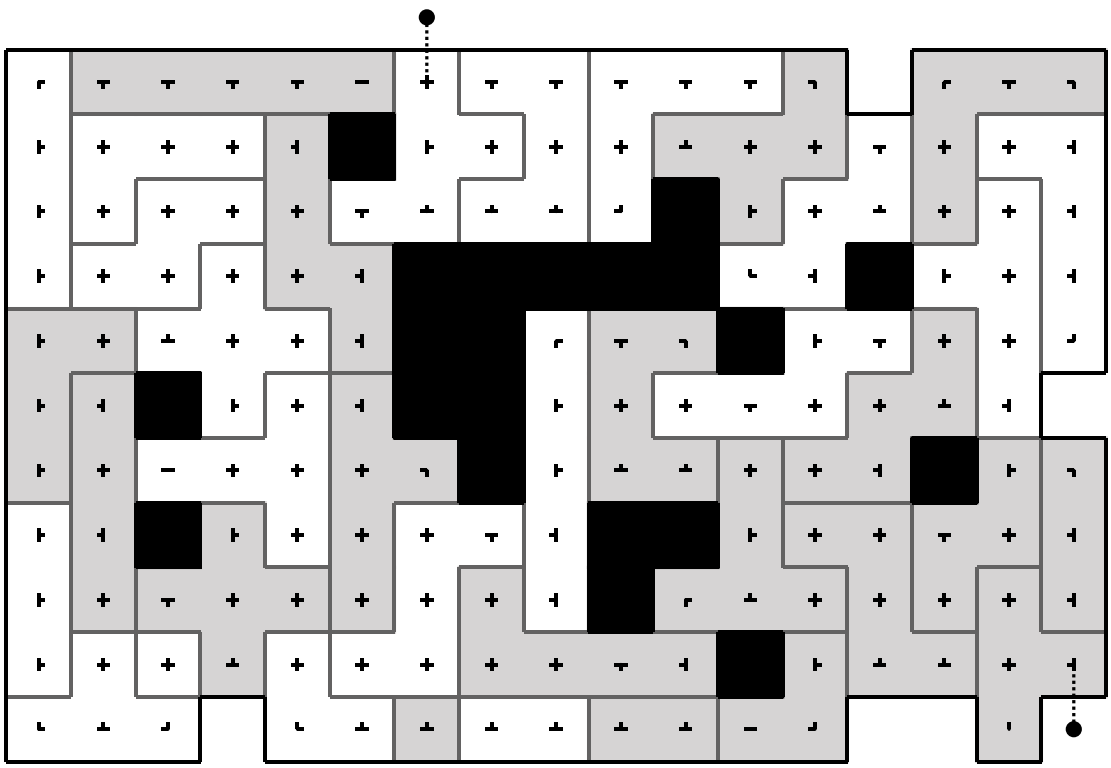

So, what did you think of Tiktaka?
If you have a few moments please send some feedback via email or Facebook.

VEXUS Puzzle Design

Complete a single path that passes through each shape exactly once. The path moves through each *matching pair* of SHADED and UNSHADED shapes in the *same way.*

TIKTAKA
EASY
Solutions

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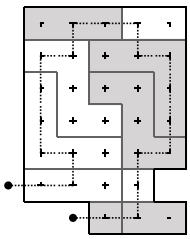

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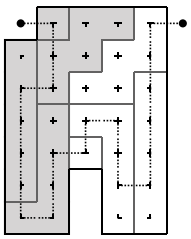

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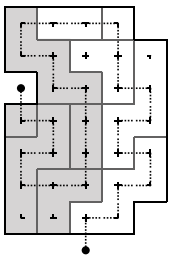

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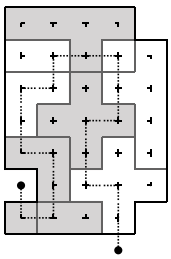

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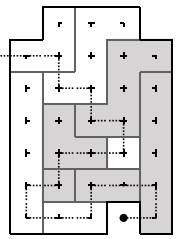

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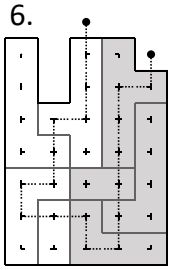

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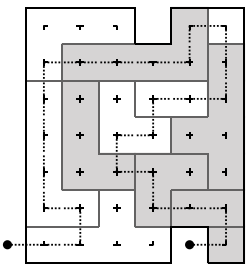

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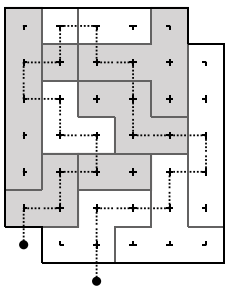

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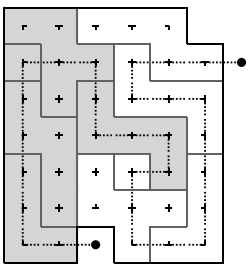

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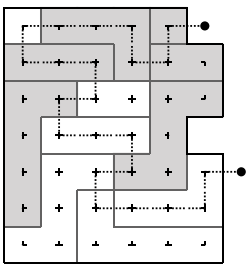

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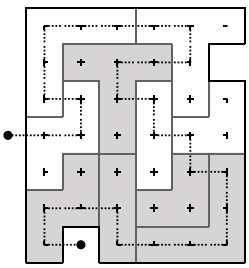

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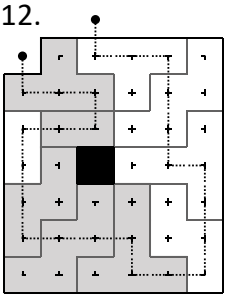

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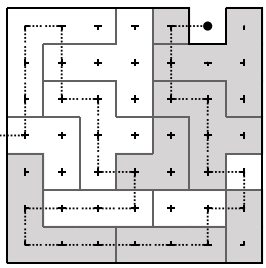

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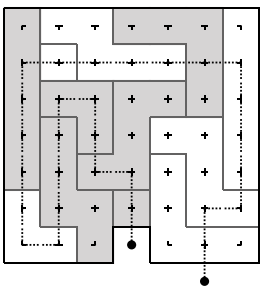

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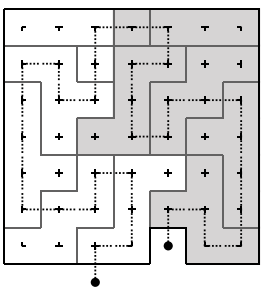

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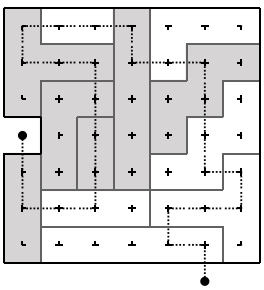

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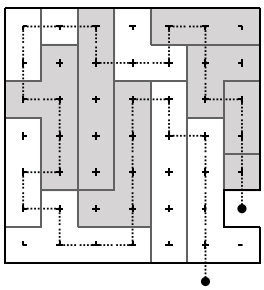

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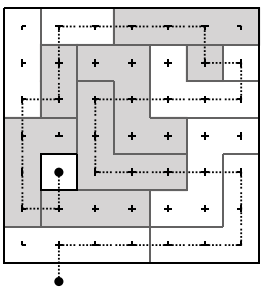

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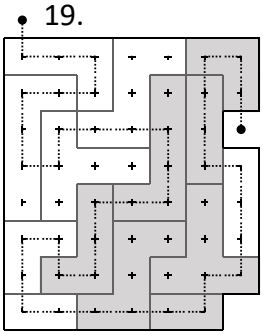

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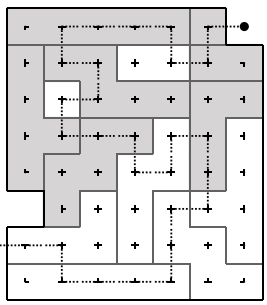

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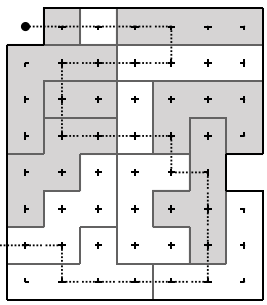

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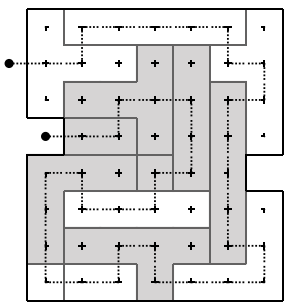

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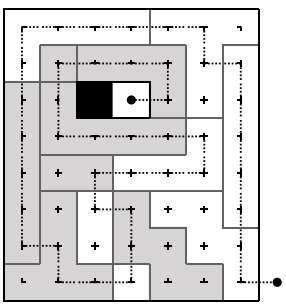

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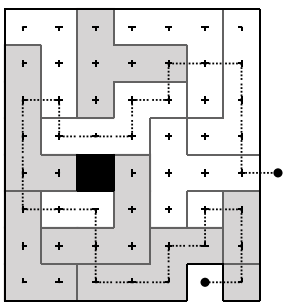

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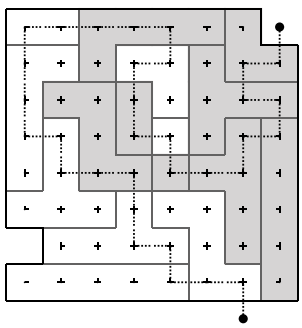

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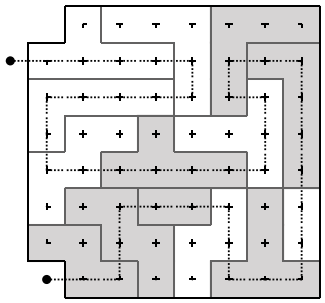

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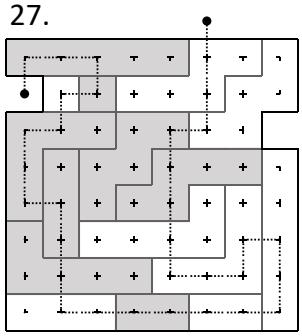

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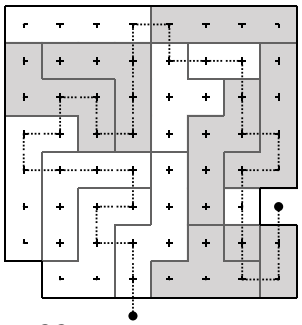

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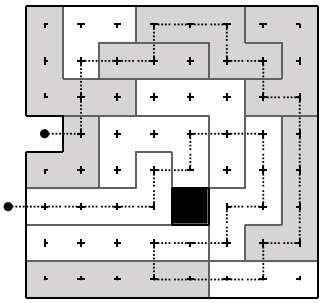

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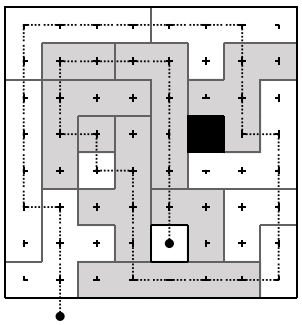

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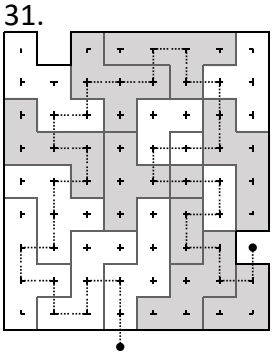

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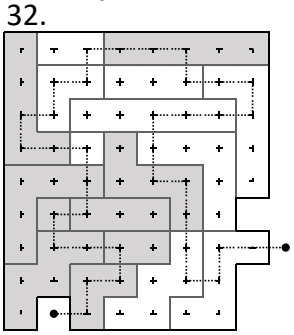

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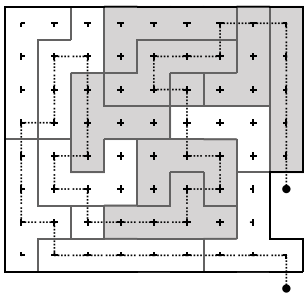

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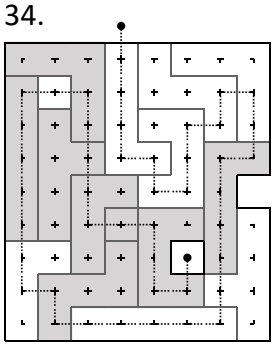

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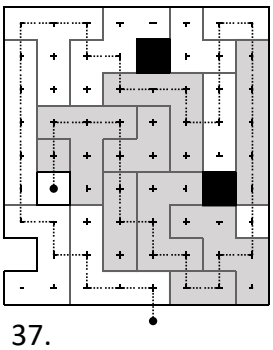

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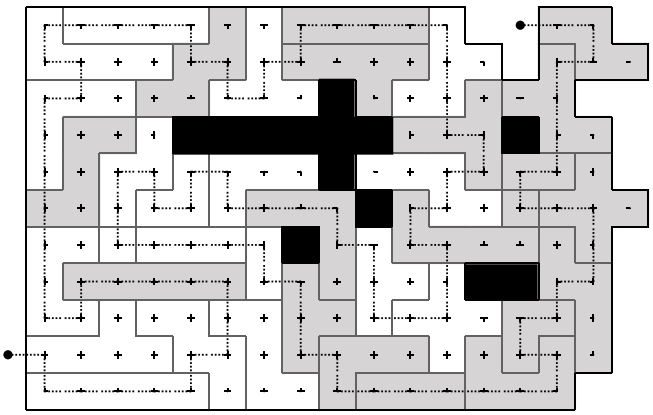

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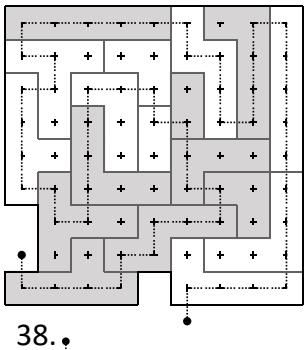

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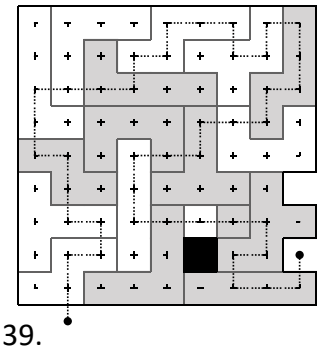

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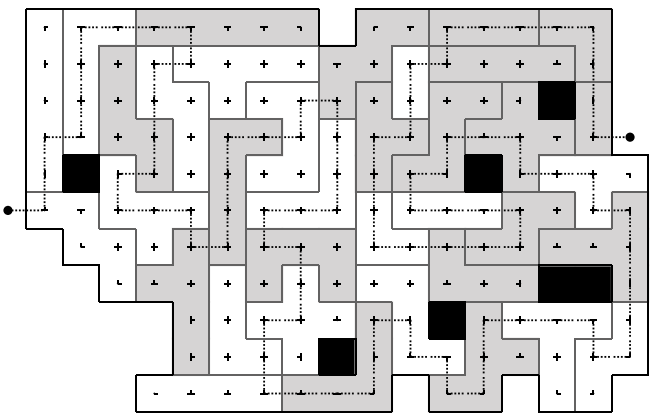

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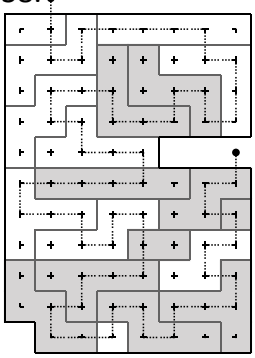

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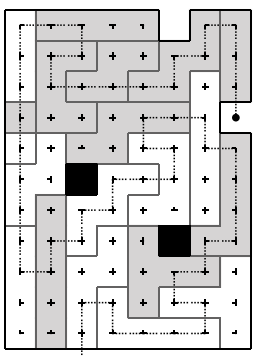

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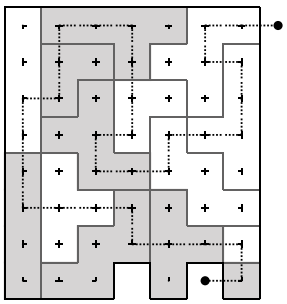
42.



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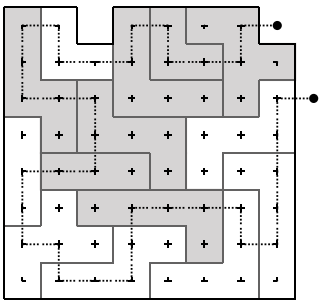

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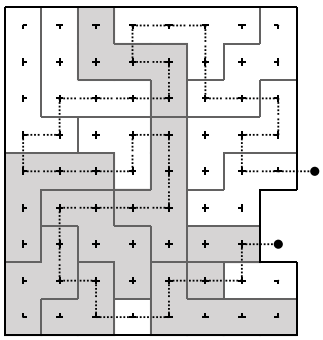

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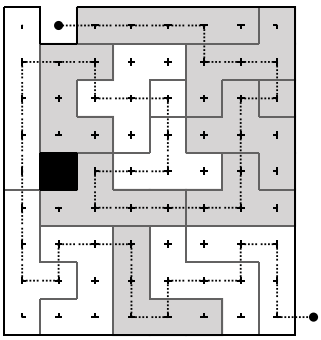

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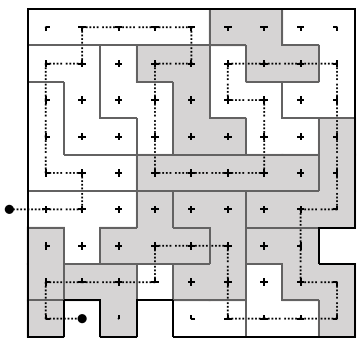

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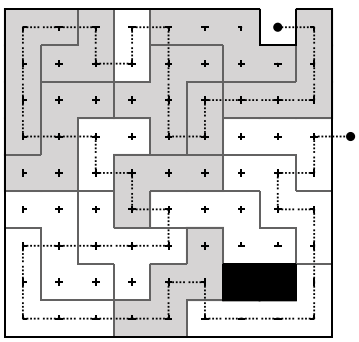

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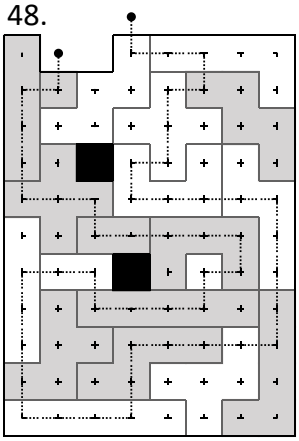

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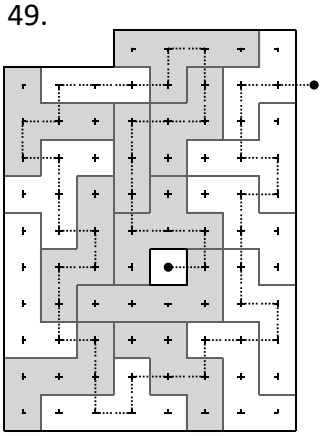

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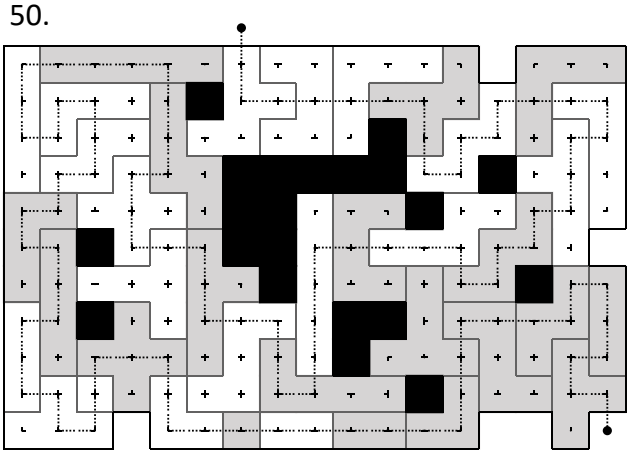
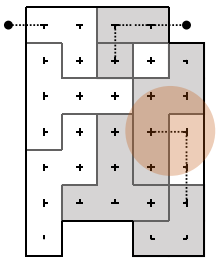


So, what did you think of Tiktaka?
If you have a few moments please send some feedback via email or Facebook.

TIKTAKA – Walk-through (part 1/2)

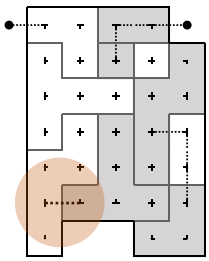
1. One key to solving a Tiktaka puzzle is to recognise the power of certain shapes.

Notice that the path is already shown entering the shaded zig zag shape here



2. The rules state that the path must move through matching shapes in the same way.

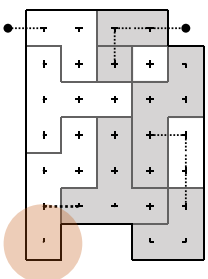
So this means that we can immediately draw a new part of the path entering the unshaded zig zag shape.



3. We can get more information from these zig zag shapes.

Look at the bottom block of the unshaded shape. It is a “dead end”.

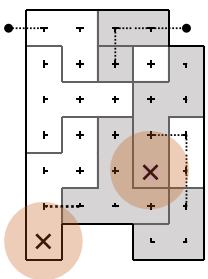
The rules state that there is only a single path so obviously the path can not go into this block.



4. We can therefore cross this block out.

Then because shapes are connected, we can cross out the same block in the shaded zig zag shape.

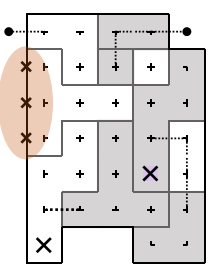
There are lots of little techniques you can use to solve Tiktaka.



5. Another excellent area to focus on are the edges of shapes.

If the path cannot enter a shape along one edge then we know that the same is true in the matching shape.

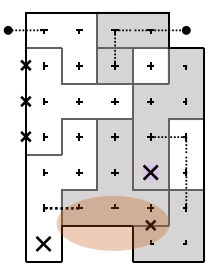
Notice that the unshaded T-shape is against the side of the puzzle and can therefore not be entered through the edges indicated.



6. If we flip to the shaded T-shape then we can immediately block the same edges.

We can now quickly solve a few extra bits of the puzzle.

Notice that by blocking this edge we can easily see how the path must move through the shaded L-shape.

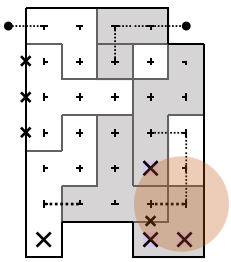


The walk-through solution continues on the next page …

TIKTAKA – Walk-through (part 2/2)

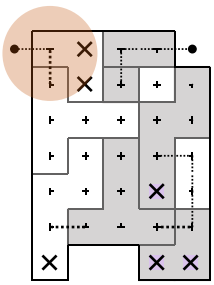
7. As you can see, the path must enter the shaded L-shape then immediately turn and exit the shape.

This means that the path MUST do the same in the unshaded L-shape.



8. We have now completed the path in the unshaded L-shape.

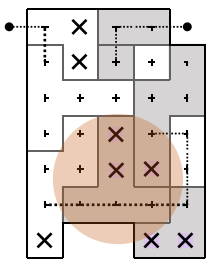
We are almost done. These small incremental solutions are helping us to crack the whole puzzle.



9. Once we know where the path enters and exits a shape, we can complete the full path through it immediately.

We can do this with the shaded T-shape.

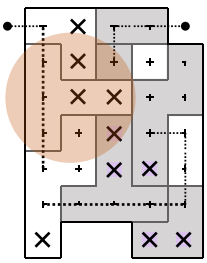
Any unused blocks within the shape can be crossed out.



10. The unshaded T-shape can now also be solved fully.

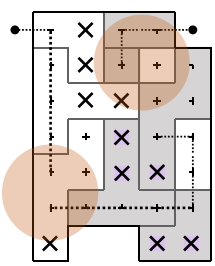
From this point there are lots of ways to finish the puzzle.

The variety of solving methods is one of the best things about Tiktaka.



11. For example, you could solve the path immediately in the unshaded zig zag shape (and then of course in the shaded zig zag shape).

You could also notice that the path is forced through the shaded 1-block shape because all other exits are unavailable. This would lead to a solution for the unshaded 1-block.



12. Either way you should end up with the solved puzzle shown.

Hopefully this walk-through has shown you how Tiktaka works and you now feel able to tackle the puzzle yourself.

Good luck!