

Pattern Library

Depth- Number of regions (colors) used.

Difficulty- This is opinion based, A is the easiest.

Beige cells = Important

Pink cells = Very Important

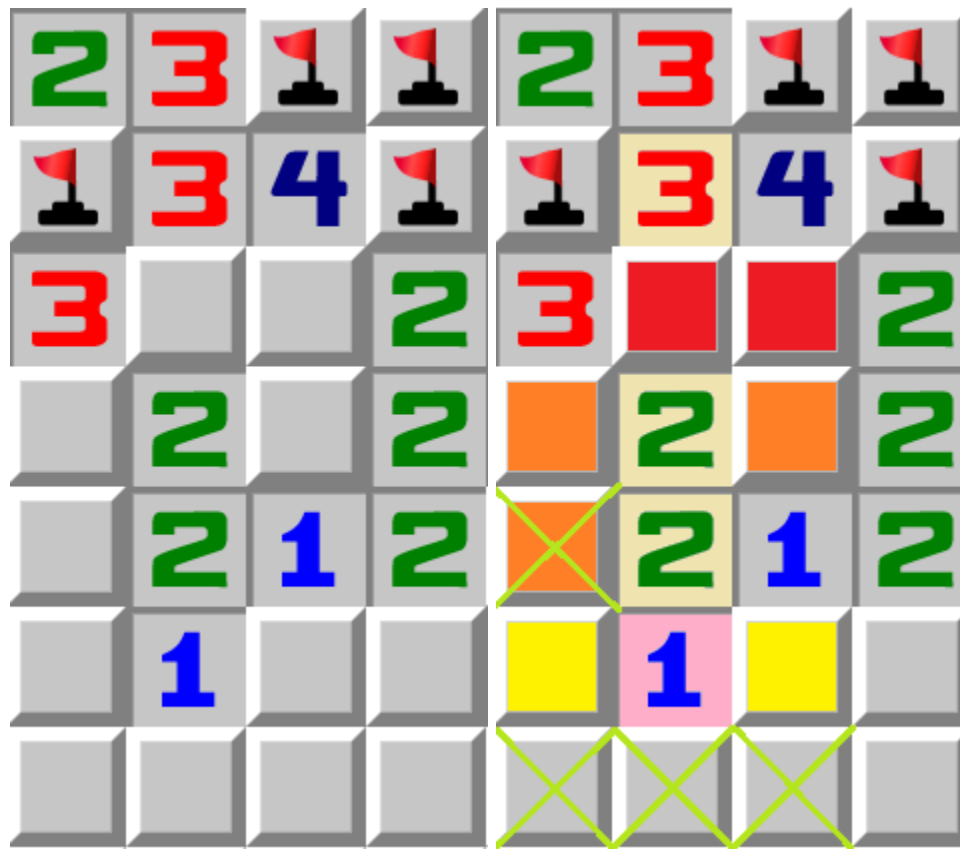
Red crossed cells = Mines resulting from pattern

Lime crossed cells = Safe cells resulting from pattern

The “Document Outline” feature on the left of the page is pretty much required in order to browse properly.

Notes

1.1 D-Pattern Classic



Depth: 3

Difficulty: A

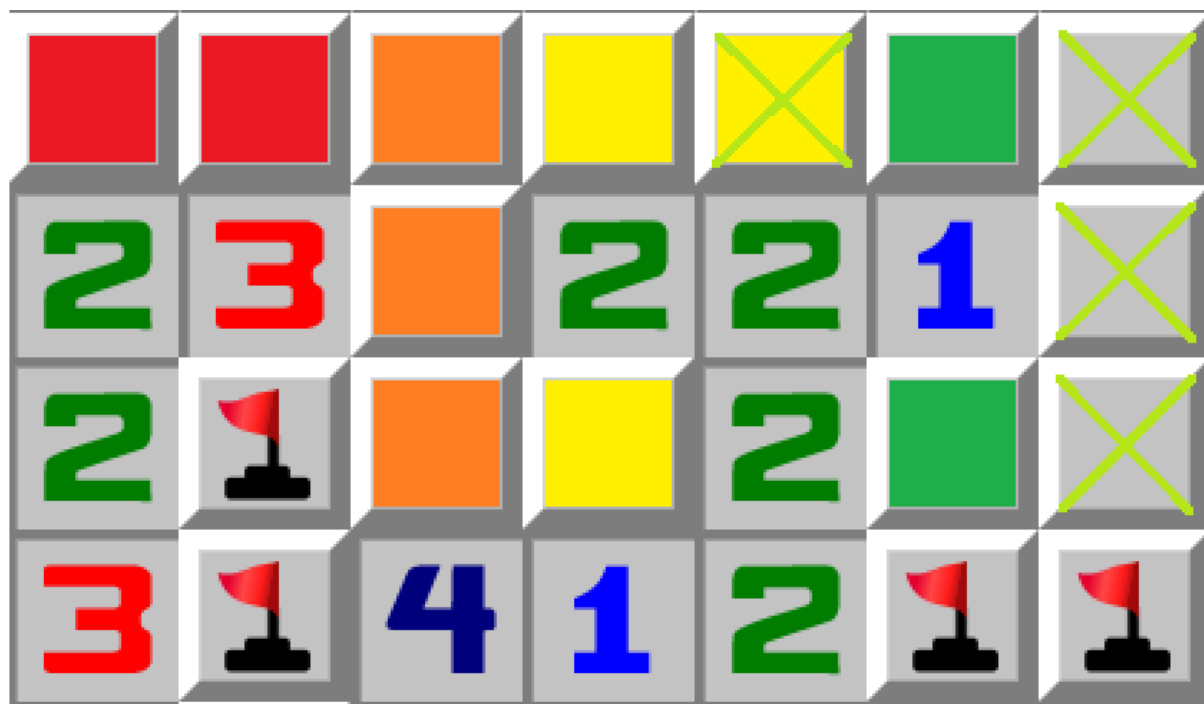
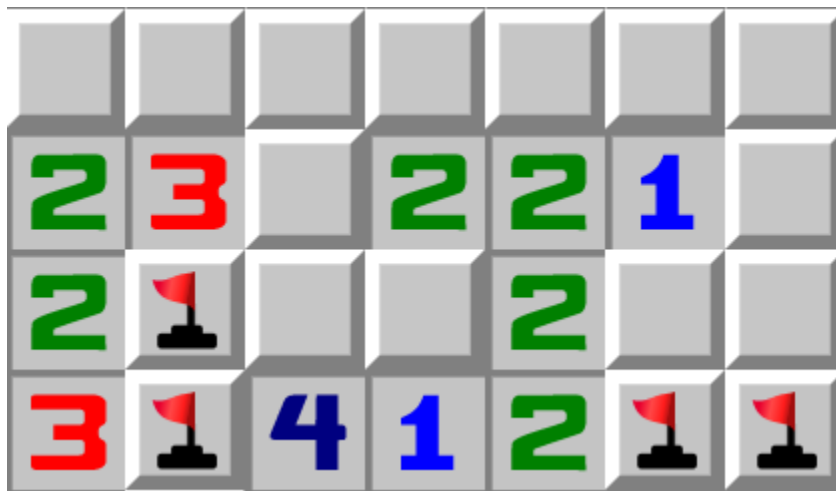
The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The 1 sees the yellow cells, so the lime crossed cells are safe

1.2 D Pattern / Start-Extension / 23-221



Depth: 4

Difficulty: **A**

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 1 sees the green cells, so the lime crossed cells are safe.

-This pattern is very common in Evil NG, due to it being one of the more simple patterns to generate.

-This pattern also exists vertically

1.3 D-Pattern End-Extension / 24-322-2



Depth: 5

Difficulty: B

The red cells contain two mines

The orange cells contain two mines

The yellow cells contain one mine

The green cells contain one mine

The cyan cells contain one mine

The 2 sees both the green cells and cyan cells, so the lime crossed cells are safe

-In this example the green triangle cell is also safe, this is unrelated to the pattern though.

2 O-Pattern / 222-Hole

2.1 O-Pattern Classic



Depth: 4

Difficulty: A

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the yellow and green cells, so the lime crossed cells are safe.

2.2 O-Pattern Pure



Depth: 4

Difficulty: A

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the yellow and green cells, so the lime crossed cell is safe.

2.3 O-Pattern Reduction



Depth: 3

Difficulty: A

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The 2 sees both the orange and yellow cells, so the lime crossed cells are safe.

-not a D-Pattern, it shares more characteristics to the O-Pattern

2.4 O-Pattern Reduction Advanced



Depth: 4

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the orange and green cells, so the lime crossed cells are safe.

-not a D-Pattern, it shares more characteristics to the O-Pattern

3 P-Pattern / 422-Hole



Depth: 4

Difficulty: A

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The 4 gets only two mines from the orange and yellow cells, so the red crossed cells contain mines



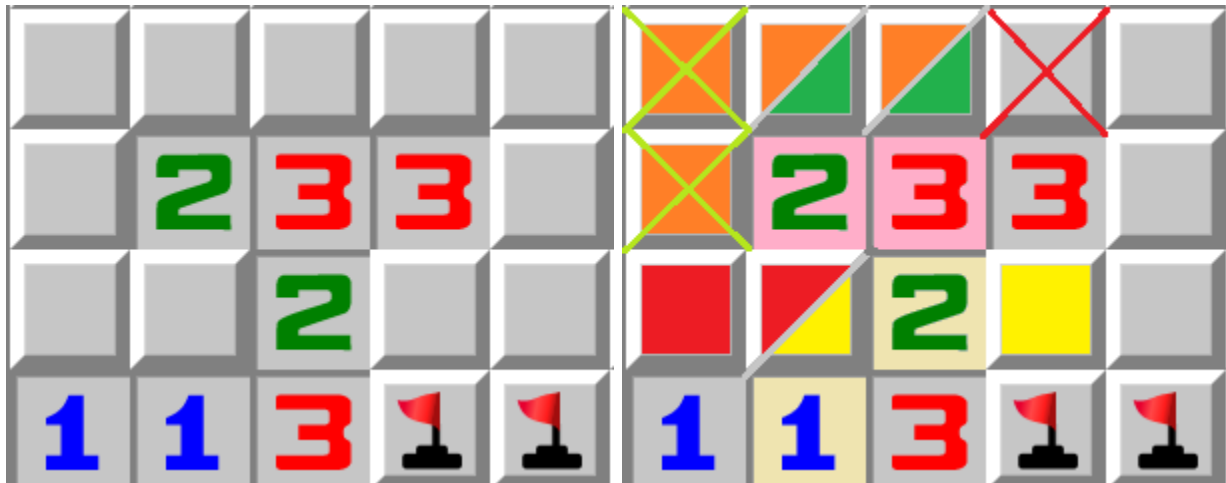
The red cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the red and green cells, so the lime crossed cell is safe

4 T-Pattern / 23X-Hole



Depth: 4

Difficulty: B

The red cells contain one mine

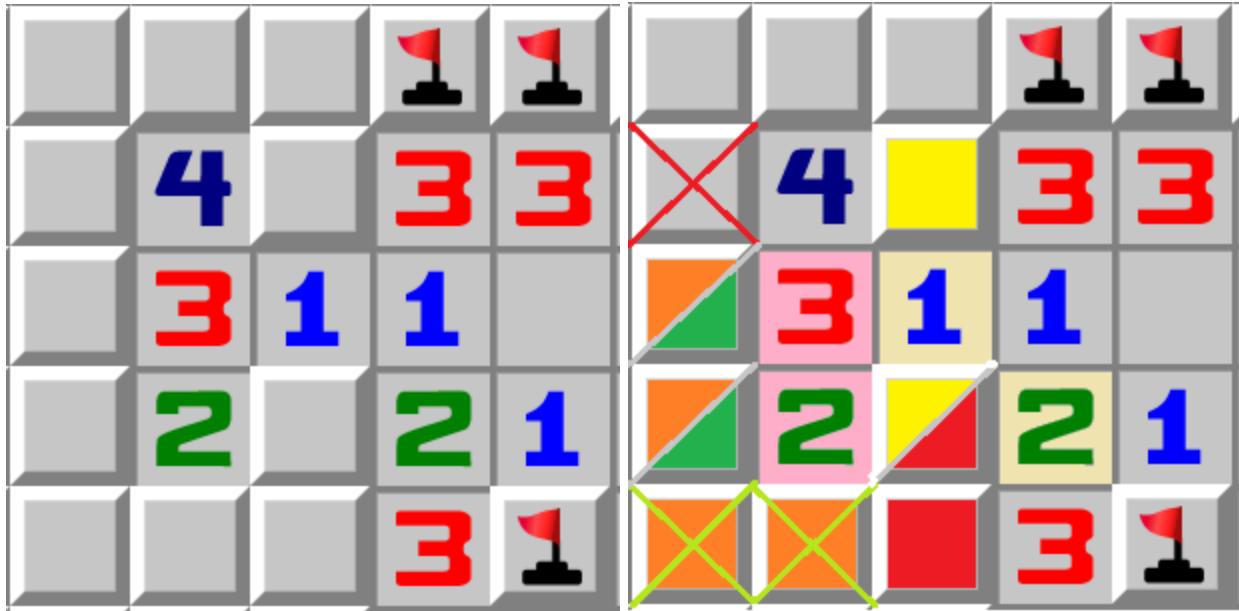
The orange cells contain one mine

The yellow cells contain one mine

The 3 has one mine in the yellow cells and one in the green cells, so the red crossed cell is a mine.

The green cells contain one mine

The 2 sees both the red and green cells, so the lime crossed cells are safe.



Depth: 4

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

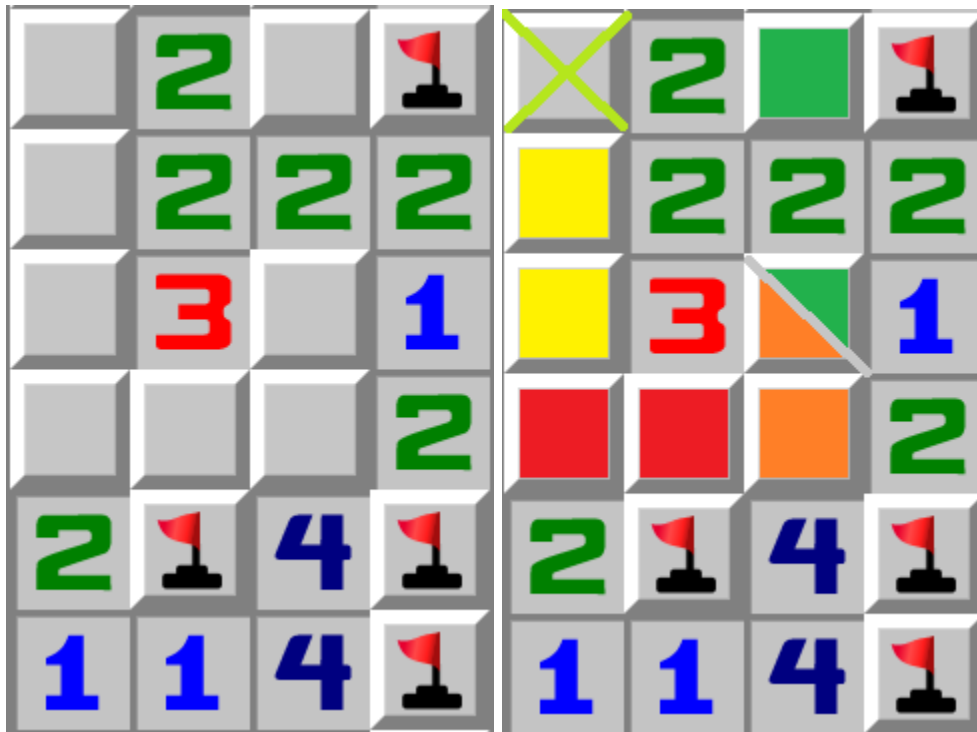
The yellow cells contain one mine

The 3 has one mine in the yellow cells and one in the green cells, so the red crossed cell is a mine.

The green cells contain one mine

The 2 sees both the red and green cells, so the lime crossed cells are safe.

5 J-Pattern / 322-Hole



Depth: 4

Difficulty: A

The red cells contain one mine

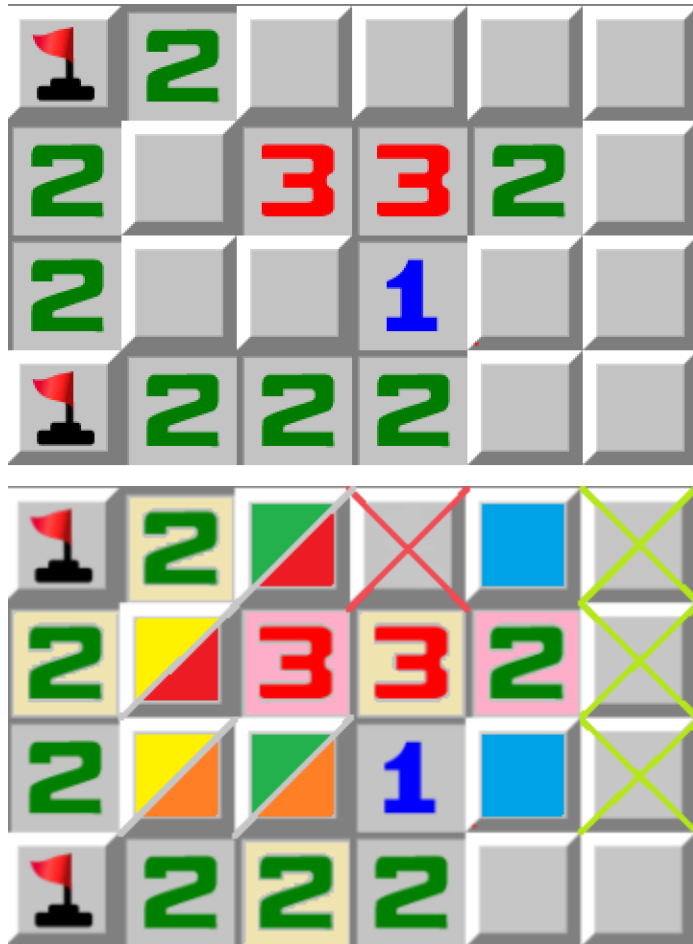
The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the yellow cells and green cells, so the lime crossed cell is safe

6 B-Pattern / 332-Hole



Depth: 5

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

The 3 sees the red and orange cells, so the third mine goes into the red crossed cell

The yellow cells contain one mine

The green cells contain one mine

The cyan cells contain one mine

The 2 sees both the red crossed cell and the cyan cells, therefore the lime crossed cells are safe.

7 U-Pattern / 32X-Hole



Depth: 3

Difficulty: A

The red cells contain one mine

The orange cells contain two mines

The 2 sees the orange cells, so the lime crossed cells are safe.

The yellow cells contain one mine

The 2 sees the yellow cells, so the lime crossed cell is safe.

8 C-Pattern / 1>2-2-2-Corner Pattern



Depth: 3

Difficulty: A

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The red crossed cell contains a mine

Then, the 2 sees both the 2 yellow cells and the orange cells, so the lime crossed cell is safe.

9 Dependency Chain

9.1 Dependency Chain A Variation



Depth: 5

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

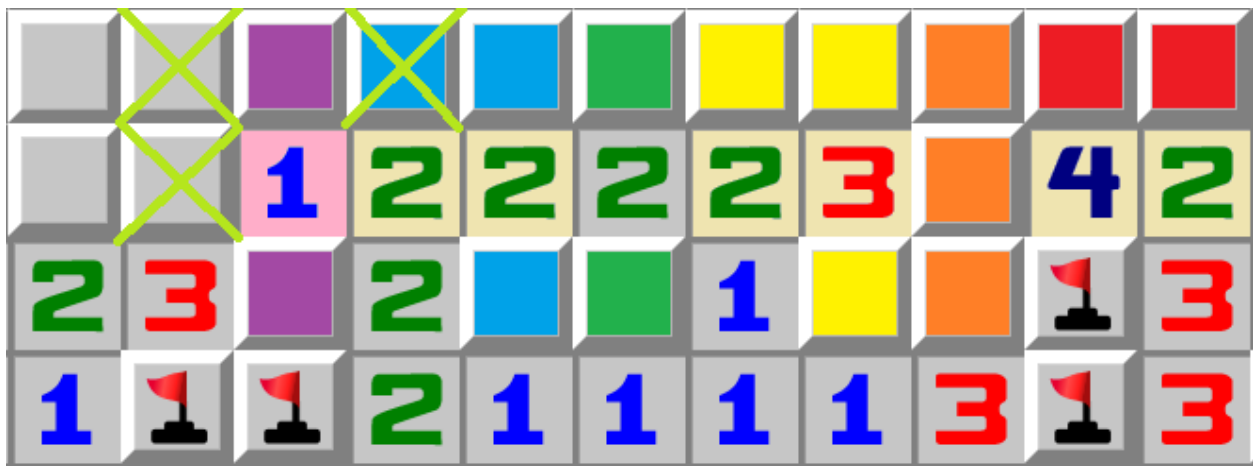
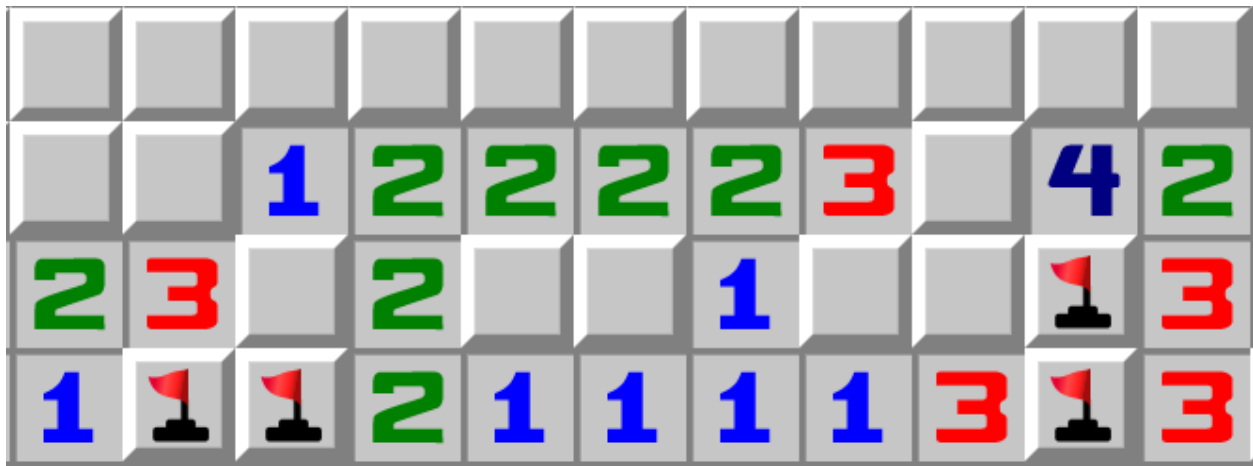
The yellow cells contain one mine

The green cells contain one mine

The cyan cells contain one mine

The 1 sees the cyan cells, so the lime crossed cells are safe.

-Dependency chain patterns usually make for the patterns with the highest depth.



Depth: 6

Difficulty: B

The red cells contain one mine

The orange cells contain two mines

The yellow cells contain one mine

The green cells contain one mine

The cyan cells contain one mine

The purple cells contain one mine

The **1** sees the purple cells, so the lime crossed cells are safe.

-Dependency chain patterns usually make for the patterns with the highest depth.

10 Z-Pattern



Depth: 4

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the yellow and green cells, hence the lime crossed cells are safe.

11 G-Pattern



Depth: 4

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

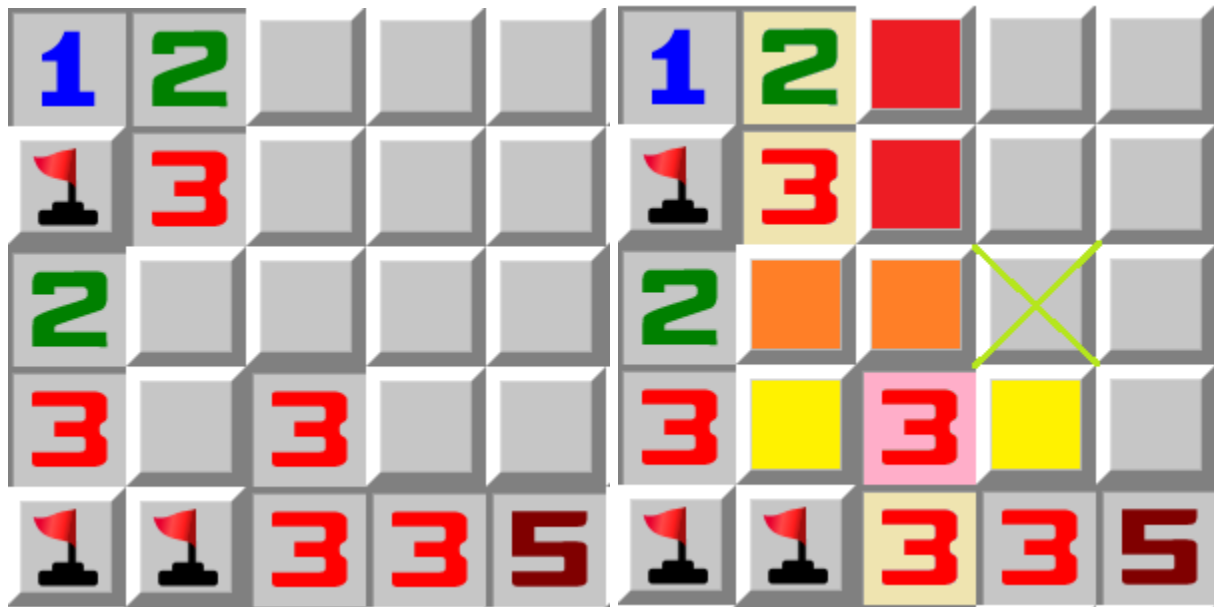
The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the yellow cells and green cells, therefore the lime crosses cell is safe

-Similar to the Z-Pattern, this pattern is more common though

12 Y-Pattern



Depth: 3

Difficulty: A

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The 3 sees both the orange and yellow cells, so the lime crossed cell is safe.

13 L-Pattern



Depth: 3

Difficulty: A

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The 2 sees both the orange and yellow cells, so the lime crossed cell is safe.

14 Basic Box Pattern



Pattern found by: Unknown

Pattern provided by: [Not Anon](#)

Depth: 4

Difficulty: B

The blue cells contain one mine

The green cells contain one mine

The "box" contains a total of two mines

One of these mines is in the yellow cells

The other mine goes into the red cells

The 3 sees the red cells, so the lime crossed cells are safe.



Depth: 4

Difficulty: B

The blue cells contain one mine

The green cells contain one mine

The "box" contains a total of two mines

One of these mines is in the yellow cells

The other mine goes into the red cells

The 3 sees the red cells, so the lime crossed cells are safe.

14b Basic Box Pattern Upper Bound

The **blue** cells contain one mine
 The **green** cells contain one mine
 The 2x2 **box** contains 2 mines in total

One of these mines is in the **yellow** cells
 The remaining mine is therefore in the **red** cells

The **5** needs four mines, one is in the **red** cells. The three other mines must go into the three **red**-crossed cells

The **3** sees a **red** crossed cell, and the green cells, so the **lime** crossed cells are safe

The **3** sees a **red** crossed cell, so the **green** crossed cells are safe



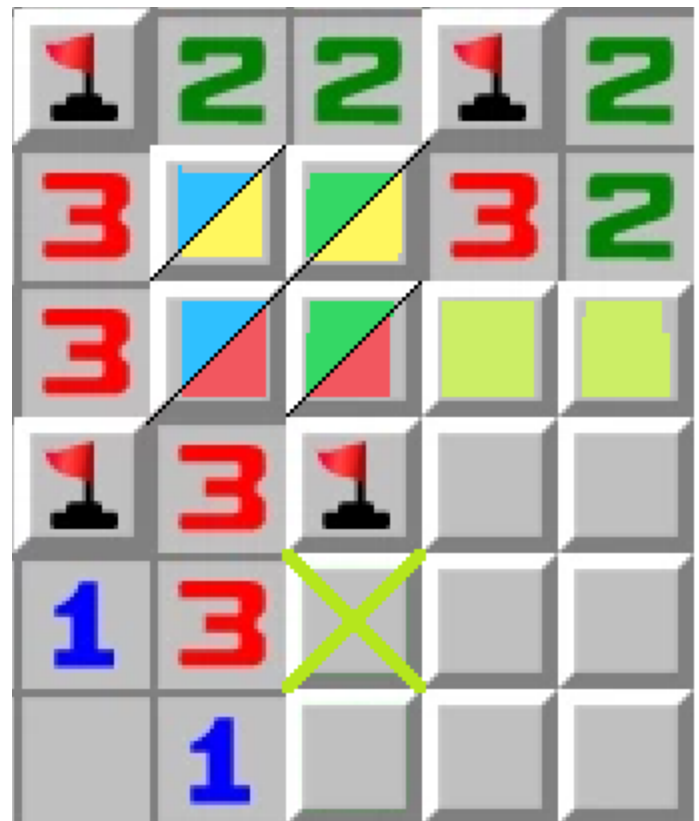
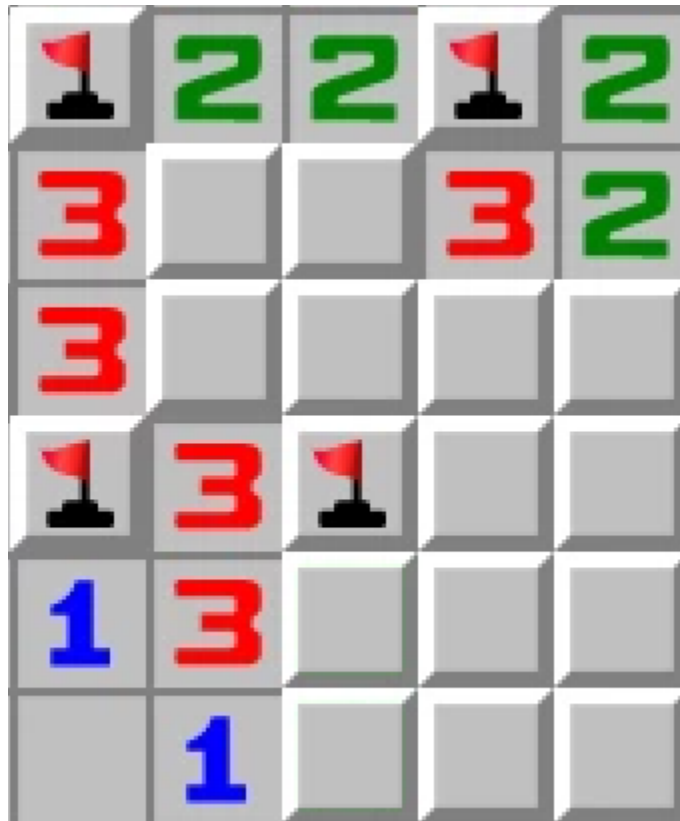
The first and currently only upper bound (proves mines rather than cells) that i've found

Broader Image: [1nAK52c](#)

Full game: See "Game Records of Rare Patterns"

Another interesting thing about this example is the amount of resulting safe cells, 4 is quite high

15 Input Box Pattern



Pattern found by: Unknown

Pattern provided by: [Not Anon](#)

Depth: 5

Difficulty: C

The blue cells contain one mine

The lime cells contain one mine

The green cells contain one mine

The "box" contains a total of two mines

One of these mines is in the yellow cells

The other mine goes into the red cells

The 3 sees the red cells, so the lime crossed cells are safe.

16 Output Box Pattern



Depth: 6

Difficulty: C

The blue cells contain one mine

The green cells contain one mine

The "box" contains a total of two mines

One of these mines is in the yellow cells

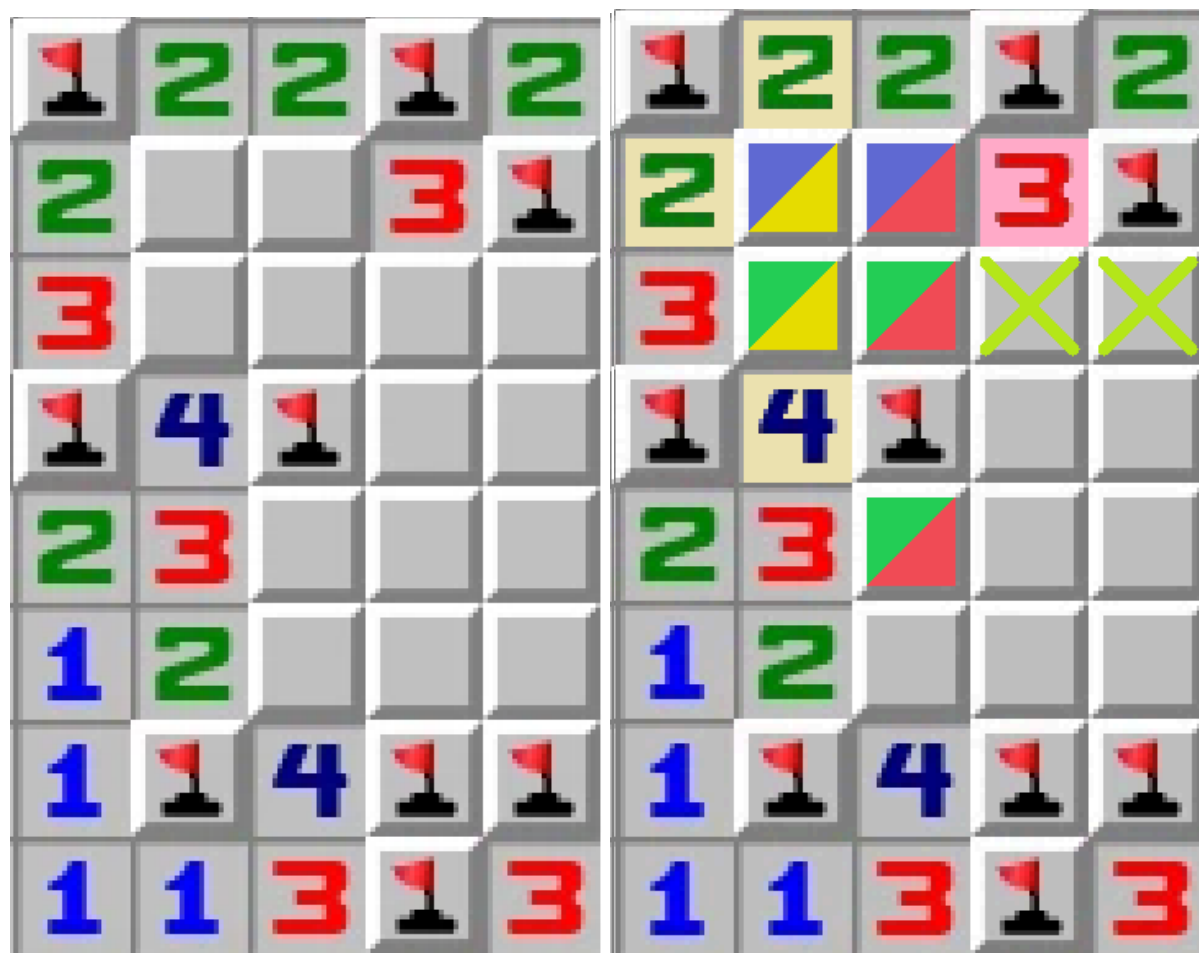
The other mine goes into the red cells

The orange cells contain one mine

The purple cells contain one mine

The 3 sees both the orange and purple cells, so the lime crossed cell is safe

17 Bounded Box Pattern



Pattern found by: [Not Anon](#)

Depth: 4

Difficulty: D

The blue cells contain one mine

The green cells contain 2 mines

The "box" contains between 3 mines

One of these mines goes into the yellow cells

The red cells contain two mines

The 3 sees some of the red cells, that contain 1-2 mines, so the lime crossed cells are safe.

You can also apply this backwards and prove that the cell bottom-right of the 4 is a mine, which simplifies it to a basic box

18 Finned Box Pattern



Pattern found by [Scar](#)

Depth: 4

Difficulty: C



The blue cells contain one mine
The green cells contain one mine

The finned box contains two total mines

One of these is in the yellow cells

The red cells contain one mine

The 2 sees the red cells, therefore the lime crossed cell is safe.

19 Finned Box Pattern II



Pattern found by [Scar](#)

Depth: 4

Difficulty: C

The blue cells contain two mines

The green cells contain one mine



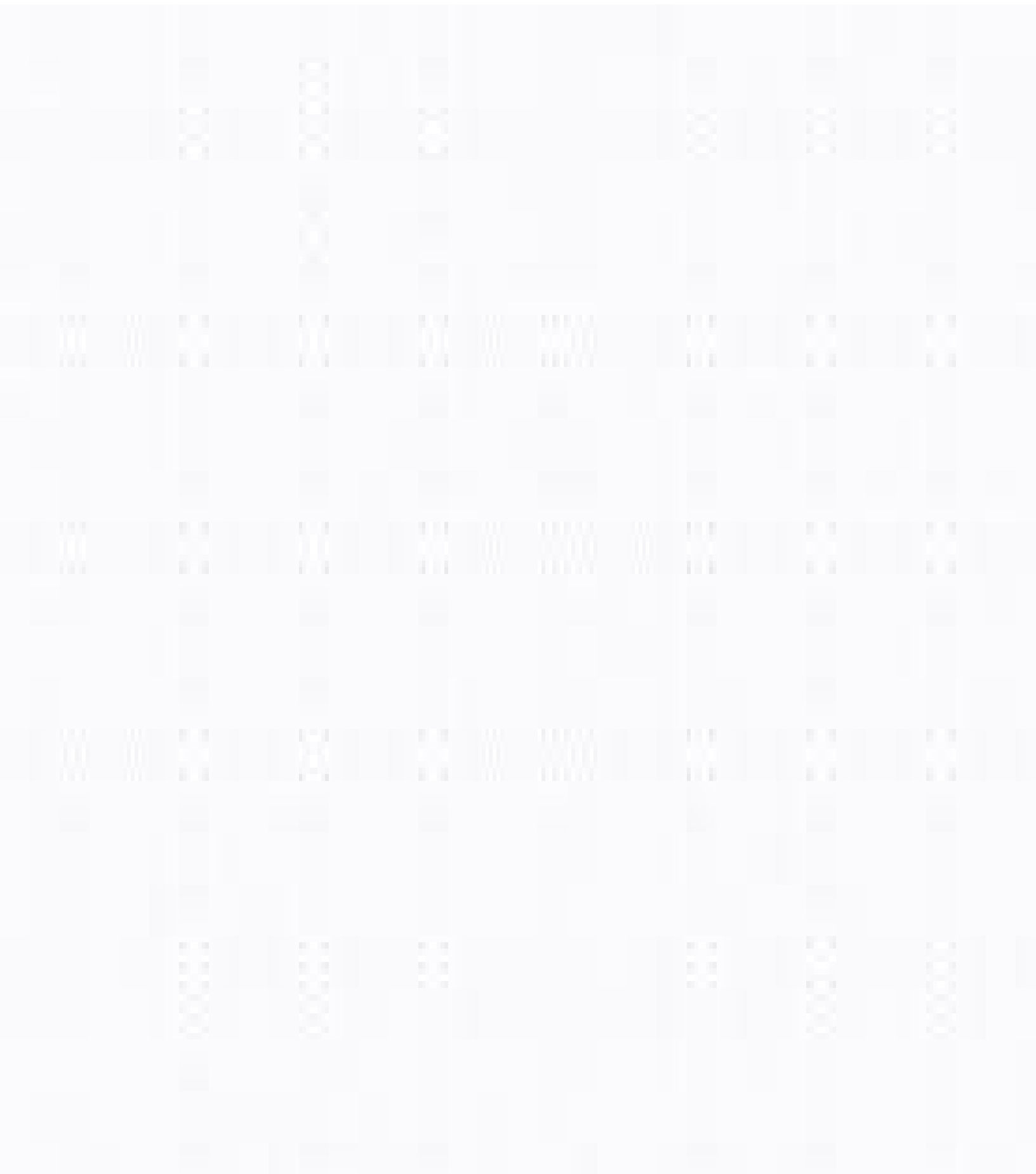
The finned box contains a total of three mines

One of these mines is in the yellow cells

The other two mines are in the red cells

The 4 sees the red cells, so the lime crossed cells are safe.

20 Swapped Box Pattern





21 Mutated Box Pattern
(Finned Bounded Box)

Improved Description by [Not Anon](#)
Pattern found by [Scar](#)

Depth: 4

Difficulty: **E**

The blue cells contain 2-3 mines

The green cells contain one mine.

The finned **box** will therefore contain 3 or 4 mines

One of these mines goes into the yellow cells

The red cells contain two mines, as three mines is not possible.

The **2** sees the red cells, so the lime crossed cell is safe.



Since we have concluded that the red cells contain two mines, and the yellow cells one mine, we know that the blue and green cells collectively contain three mines as well, and we know that one mine goes into the green cells, so there will be two mines in the blue cells. The 5 sees the blue cells, so the fifth mine goes into the red crossed cell



22 Double Box Pattern

Depth: 8

Difficulty: D

The blue cells contain one mine

The green cells contain one mine

The "box" contains a total of two mines

The yellow cells contain one mine

The red cells contain the other mine

The purple cells contain one mine

The pink cells contain one mine

The "box" contains a total of two mines

The maroon cells contain one mine

The grey cells contain the other mine



The 1 sees the grey cells, so the lime crossed cells are safe.

23 Finned Double Box Pattern

*reconstruction, was found on a twitch stream which made the quality very low

23A Explanation 1



Encountered by:
Unknown Twitch
Streamer

Difficulty: D

Depth: 8 (See 23B)

Let's assume the maroon cell is a mine.
We now know two other
mines



The 2 only sees one mine now, which is impossible
 The maroon cell is therefore safe.

23B Explanation 2 (WARNING, UNNECESSARILY COMPLICATED)

Encountered by: [Unknown Twitch Streamer](#)

Difficulty: D

Depth: 8 (See 23B)

The blue cells contain one mine
 The green cells contain one mine

The finned box contains two mines

One of these mines is in the yellow cells

The red cells contain one mine

The purple cells contain one mine

The pink cells contain one mine

The box contains two mines

One of these mines is in the gray cells

The brown cells contain one mine

The 2 sees the brown cells, so the lime crossed cell is safe



24 Single Joined Box Pattern

Found By: [Rory](#)

Difficulty: **D**

Depth: 8

The blue cells contain
one mine

The green cells contain
one mine

The **box** contains 2 mines

The yellow cells contain
one mine

So the last mine goes into
the red cells.





The blue cells contain a mine
 The green cells contain two mines
 The box contains 3 mines
 The yellow cells contain one of the 3 mines
 The red cells therefore contain two mines

The pink cells contain one mine
 The box contains 3 mines
 The purple cells contain one of the 3 mines
 The brown cells therefore contain two mines
 The lime cells contain one mine
 The gray cells contain one mine
 The 3 sees the gray cells, so the red crossed cell is a mine, resulting in safe cells.

^The pattern can be applied both ways

The red cells contain one mine
 The pink cells contain one mine
 The box contains 2 mines
 The purple cells contain one mine,
 So the brown cells contain one mine

The 3 sees the brown cells, so the lime crossed cell is safe

^The pattern can be applied both ways



25 Caterpillar

25A Caterpillar Explanation 1



Found by: [84436](#)

Difficulty: **D**

Depth: 10 (See 25B)

Either the **Blue** or **Yellow** cells will contain mines

This means that one of the orange cells contains a mine

Because of this the the red crossed cell contains a mine

The **3** sees the red crossed cell, so the lime crossed cell is safe.



25B
Caterpillar



Explanation 2 (WARNING,
UNNECESSARILY COMPLICATED)

Found by: [84436](#)

Difficulty: **D**

Depth: 10

* Breathes in*

The red cells contain one mine

The orange cells contain one mine

The black box contains 2 total mines

One of these goes into the yellow cells

The other goes into the lime cells

The green cells contain one mine

The blue cells contain one mine

The grey box contains 2 total mines

One of these is in the lime cells

The other goes into the cyan cells.

The purple cells contain one mine

The pink cells contain one mine

The white box contains 2 total mines

One of these is in the cyan cells

The other goes into the brown cells

The red crossed cell is a mine since the brown cells contain one mine

The 3 sees the red crossed cell, so the lime crossed cell is safe.



26 Butterfly (Finned Caterpillar)

26A Butterfly Explanation 1



Found by: [84436](#)

Difficulty: D

Depth: 10 (See 26B)

Either the Blue or Yellow cells will contain mines

This means that the orange cells contain a mine

Because of this the the red crossed cell contains a mine



26B Butterfly Explanation 2 (WARNING,
UNNECESSARILY COMPLICATED)



Found by: [84436](#)

The red cells contain
one mine

The orange cells
contain one mine

The black box
contains 2 total mines
One of these goes into
the yellow cells

The other goes into
the lime cells

The green cells
contain one mine

The cyan cells contain
two mines.

The grey box contains
3 total mines

One of these is in the
lime cells

The two other mines go into the blue cells.

The purple cells contain one mine

The pink cells contain one mine

The white box contains 2 total mines

One of these is in the blue cells

The other goes into the brown cells

The 5 sees the brown cells, so the red crossed cell is a mine.



Box Logic Summary

One surprisingly easy way to look for box logic in complicated positions is just by looking for a 2x2, and checking the surrounding cells for a potential finned box. Great examples of these are the **20 Mutated Box** and this:



Can you find three safe cells?

Notice the 2x2 in the center? Try to figure out if you can apply box logic to it, also do not forget to look for fins, this 2x2 has two potential fins.

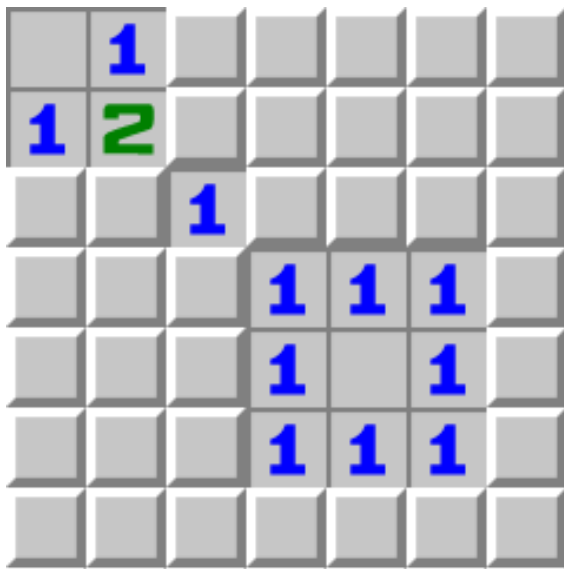
I was gonna turn the “Higher Complexity” section into logic that utilizes special regions or splitting regions. Currently all of them are just special/output regions (aka box logic), some more interesting like the mutated and joined boxes, but still the same thing. You could call this entire section the box logic section, but hopefully this is wrong, and there is other curious logic like it, that is not considered to be a box.

Boxes use 4 regions, 3 known, and 1 “unknown” that can be figured out using the other 3 regions. The unknown region is sometimes referred to as the output region

Joined Box

A joined box is basically a pattern where one box’s output region is used as an input for another box, which gives another output region. Currently only two samples have been listed, and both of them are just two boxes creating this chain. The main type of box I am hunting for is a multi- joined box (three+ boxes), or some wacky single joined box, I think that these are by far the most interesting types of box logic.

Higher Complexity (Simple Inward Chain)

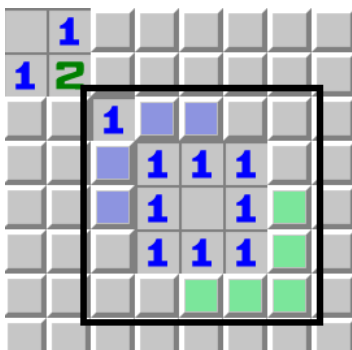
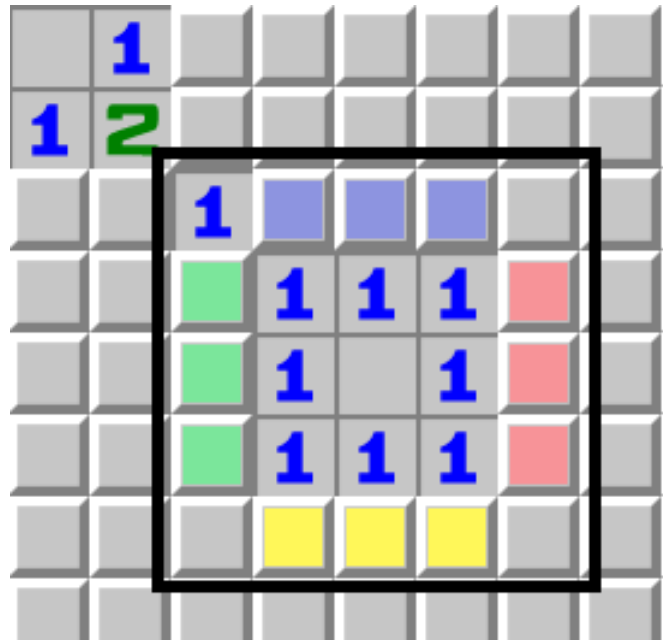


SIC 3x3{1}

Found by: [84436](#)

Difficulty: D

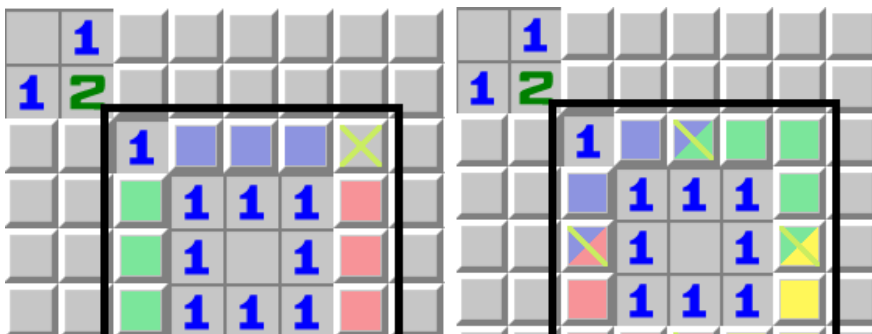
The black box will contain 4-7 mines



On the image on the left, the black box contains 2-4 mines

4 Mines is the only valid option then.

We can now use a kind of “local minecount” to make eliminations

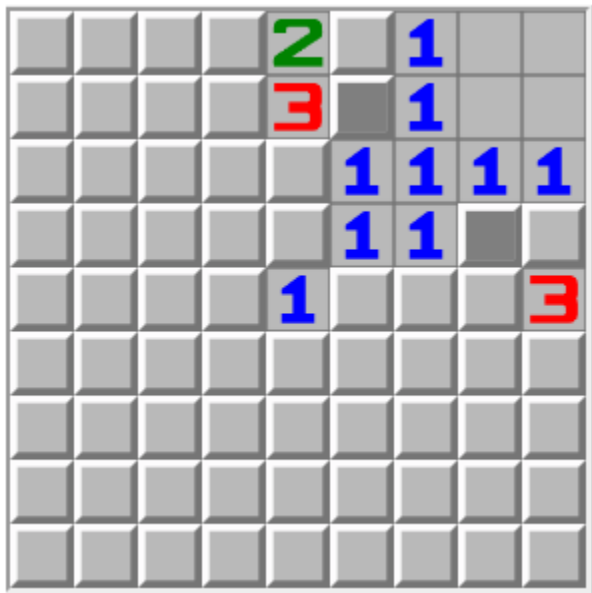


If any of the multicolored cells are mines, they will satisfy 2 colors, although each color will only have

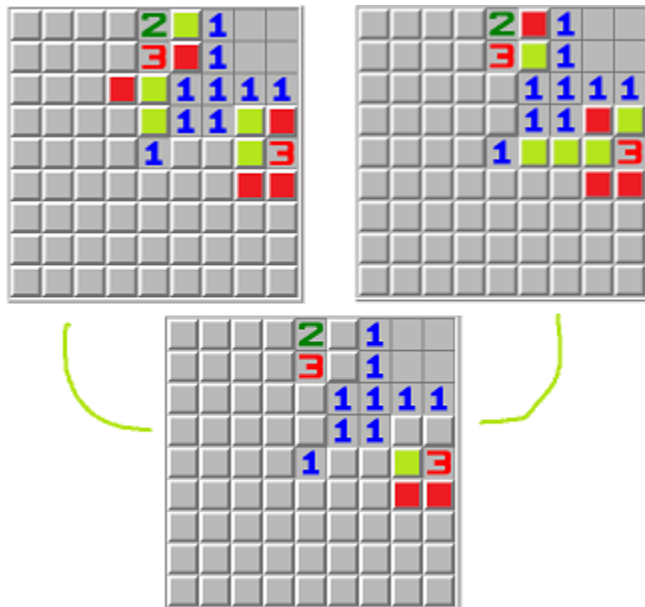
one mine, therefore the multicolored cells are safe.

Of course, you can also use contradiction by assuming one of the 7 safe cells are mines and seeing that they are invalid.

SIC #2



Lets assume one of the grey cells is a mine, then we'll assume the other grey cell is a mine. Then we will look for cells with the same state in both situations.



This board situation can be achieved in beginner with decent (but sub-optimal) guessing.



SIC #3

Found By: [FracturedAnvil](#)

Difficulty: **D**

The red cells contain one mine

The orange cells contain at least one mine



Left: Cell A is a mine.
Right: Cell B is a mine. This results in cell A being a mine.

Cell A is always a mine, as the orange cells need one mine at least.



The yellow cells contain one mine

The 2 sees the red crossed cell and the yellow cells, so the green crossed cell is safe.

Chain

Inward Chain #1



Either the red cells or the blue cells are mines, lets see if there are any cells with the same state in both situations.

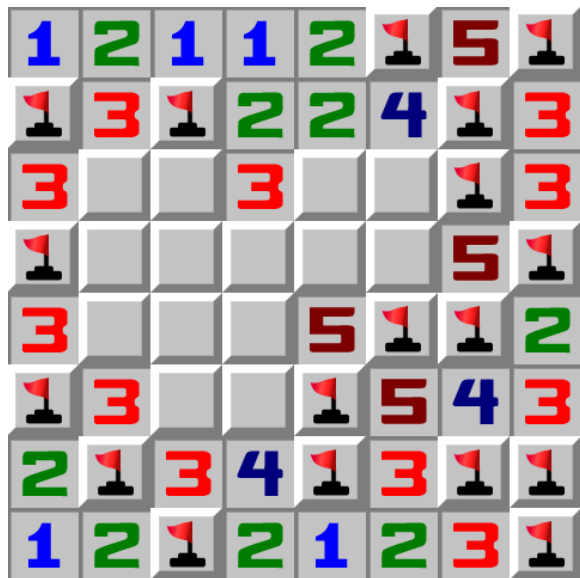
As seen, there are a whopping six cells found to be safe.

Pattern found and shared by [\(1\) LooneyMar \(u/LooneyMar\) - Reddit](#)

Post: [\(1\) Minesweeper GO campaign 950+ level, supposed to not have a single point where u have to guess it, are there any guaranteed safe/unsafe points i'm missing? : Minesweeper \(reddit.com\)](#)



Outward Chain #1

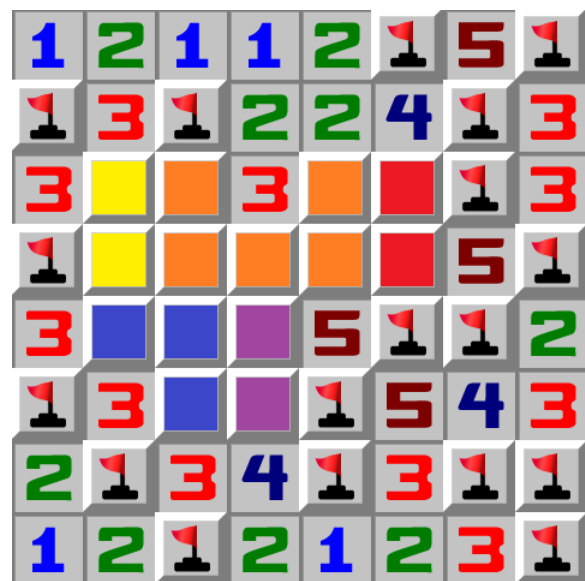


Red cells contain one mine
Orange cells contain two mines
Yellow cells contain one mine
Blue cells contain one mine
The purple cells contain 0,1,2 mines.



Difficulty: D

This small area might be able to have its amount of mines determined, let's try it out.

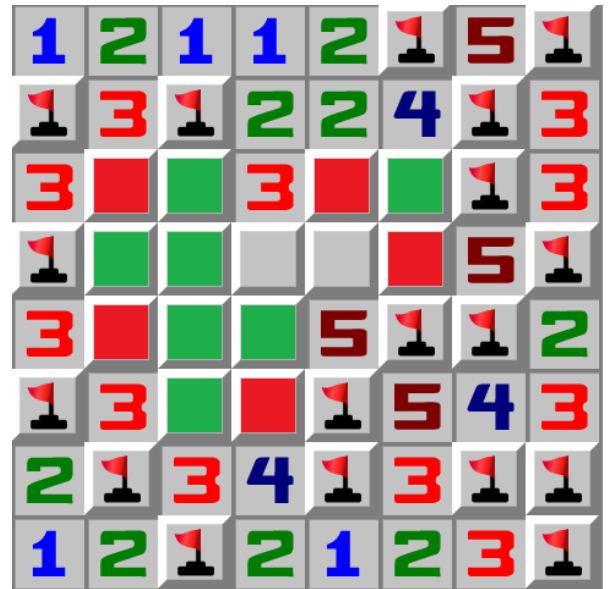


Purple cannot have 0 mines, as that would end up in the 3 having 4 mines.

Thus purple must have 1 or 2 mines, giving the total area 6 or 7 mines, let's try minecount in both cases.



After some logic...



(6), Red cells contain three mines
Orange cells contain one mine
Yellow cells contain one mine
Green cells contain one mine
There are 6 mines, so the lime crossed cells are safe

^V, the bottom two cells of the area are safe and a mine respectively in both outcomes.



After some logic...

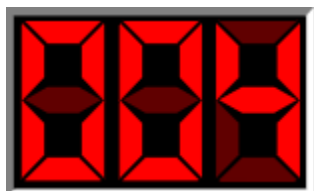


(7), Red cells contain one mine
Orange cells contain two mines
Yellow cells contain one mine
Green cells contain one mine
There are 7 mines, so the red crossed cells are the only place where the last mines go

Seems to be the only outward chain documented, box logic not included

! I've assigned types to all of "combinations" patterns, examples of the same type will have similar logic, for example #1 and #2 are quite similar.

Combinations #1 > α



Found / Provided by: [Viper17](#) / [Not Anon](#)

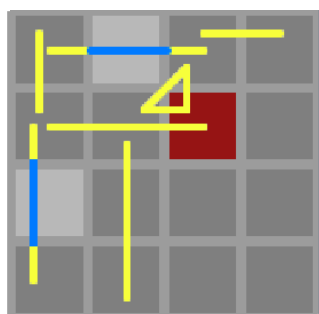
Difficulty: **D**

Let's assume the **maroon** cell is a mine.

We now know the positions of 4 out of the 4 mines

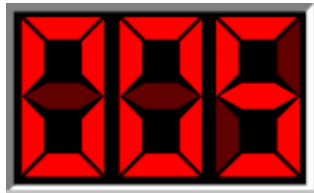
This is scenario is impossible, since one of the **cyan** cells must contain another mine, which would require at least 5 mines

Therefore the **maroon** cell is safe.



Type: Alpha

Combinations #2 > α



Found by: [braintrain](#)

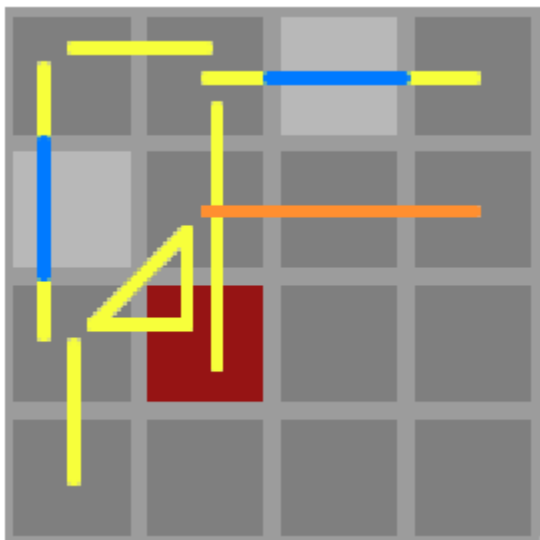
Difficulty: **D**

Let's assume the **maroon** cell is a mine.

We now know the positions of 6 mines

This is scenario is impossible, since there are only 5 mines

Therefore the **maroon** cell is safe.



Type: Alpha

Combinations #3 >Γ



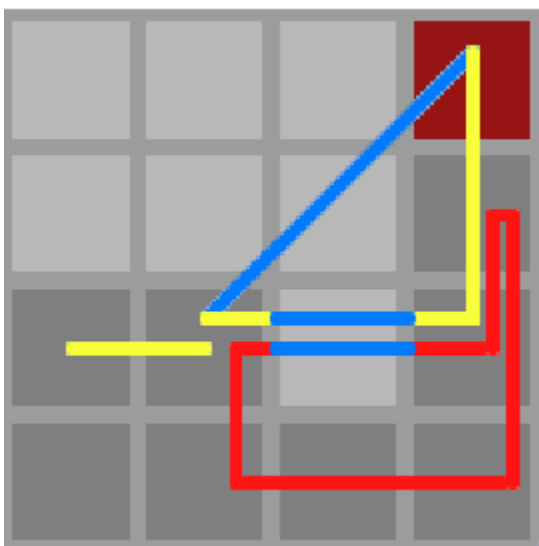
Difficulty: C

Let's assume the **maroon** cell is a mine.

We now know the positions of 5 mines, which is impossible since there are only 4 mines in this particular area.

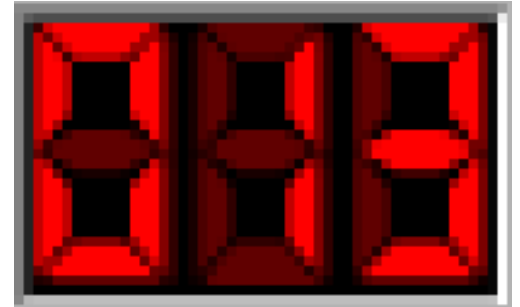
Therefore the **maroon** cell is safe.

HD Image Reconstruction by Not Anon



Type: Gamma

Combinations #4 α



Pattern found by [Scar](#)

Difficulty: **E**



Let's assume the **maroon** cell is a mine.

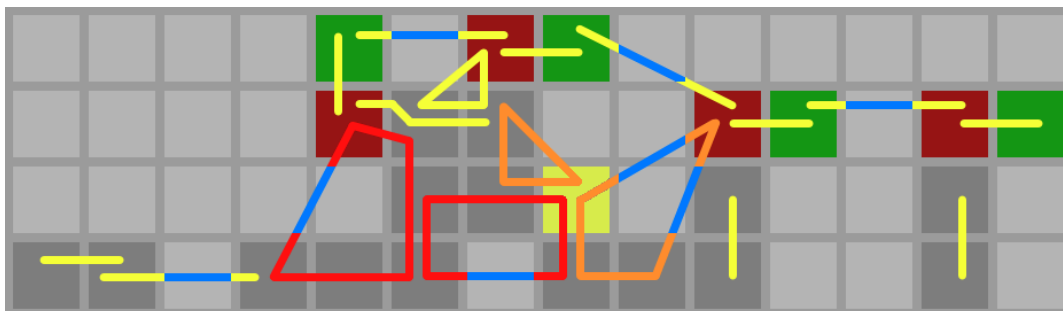
We now know the positions of 6 mines

Each pair contains one mine

We now know about 6 mines and 5 pairs, so the area contains 11 mines

This is impossible, as there need to be 13 mines

Therefore the **maroon** cell is safe.



< Reconstruction
by [Not Anon](#)
Type: Delta

Combinations #5 > α



Difficulty: D

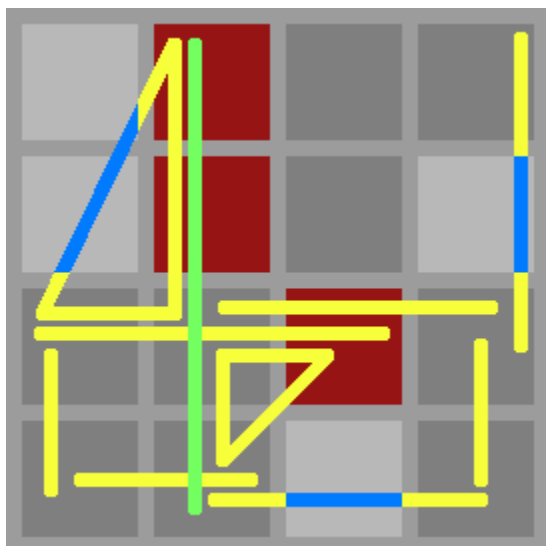
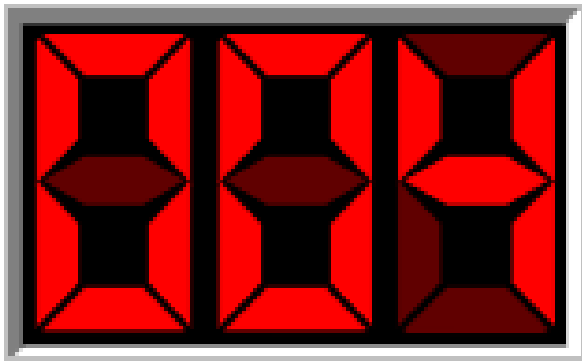
Let's assume the **maroon** cell is a mine.

We now know the positions of 4 mines

The teal cells also contain one mine

This is impossible, as we only have 4 mines.

Therefore the **maroon** cell is safe.



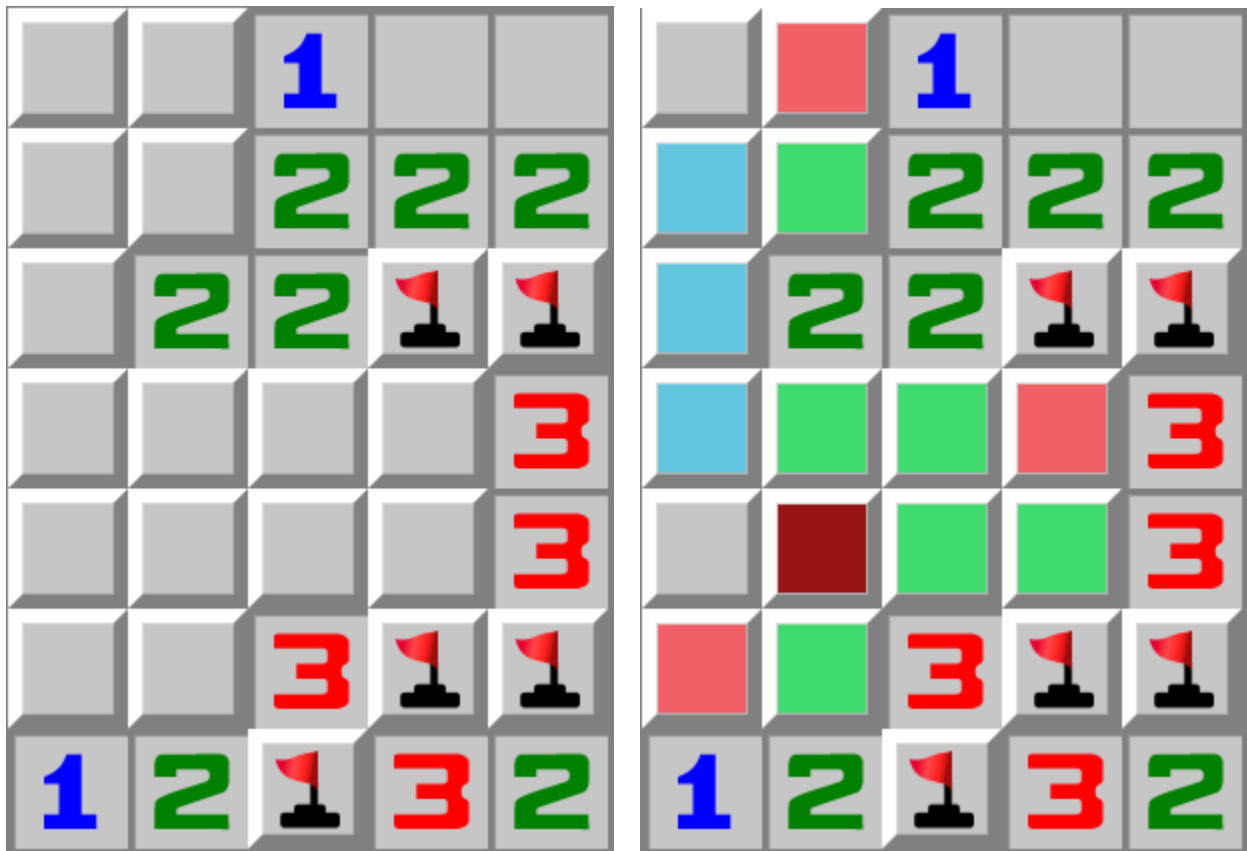
< Reconstruction by **Not Anon**

Type: Beta

Pretend the green region is a yellow region; there are so many regions that I made it green to avoid confusion.

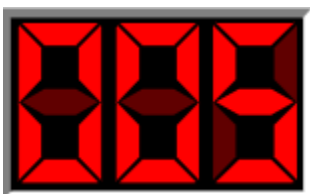
You can get 2 more safe cells trough box logic now

Combinations #6 >Γ

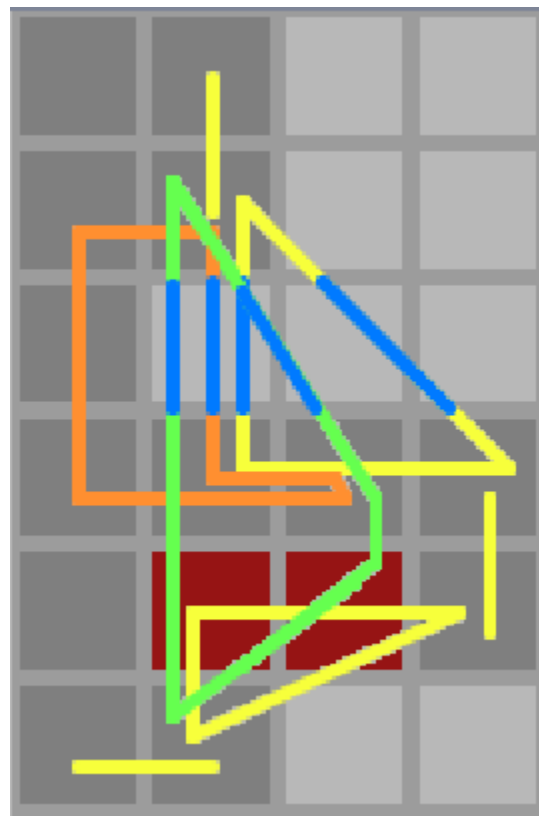


Pattern Found / Provided by: [nbsp28](#) / [gramana](#)

Let's assume the **maroon** cell is a mine.
 We now know the positions of 4 mines
 The teal cells also contain one mine
 This is impossible, as we only have 4 mines.
 Therefore the **maroon** cell is safe.



Type: Gamma



Combinations #7 >φ



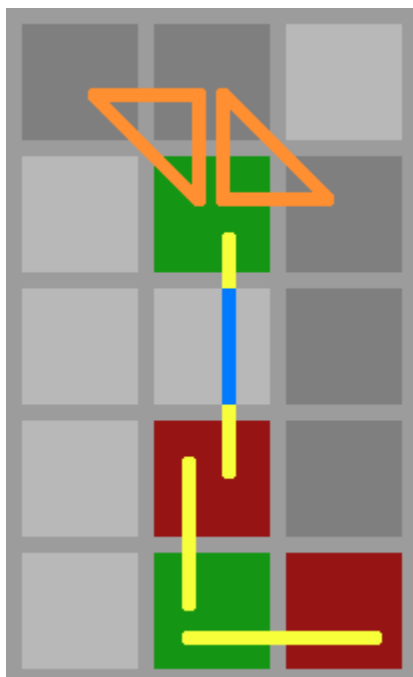
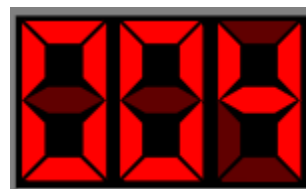
Difficulty: C

Let's assume the dark green cell is safe.

We now know the positions of 5 mines

This is impossible, as we only have 4 mines.

Therefore the dark green cell is a mine.



< by Not Anon
Type: Phi

Combinations #8 >β



Found By: [Rory](#)

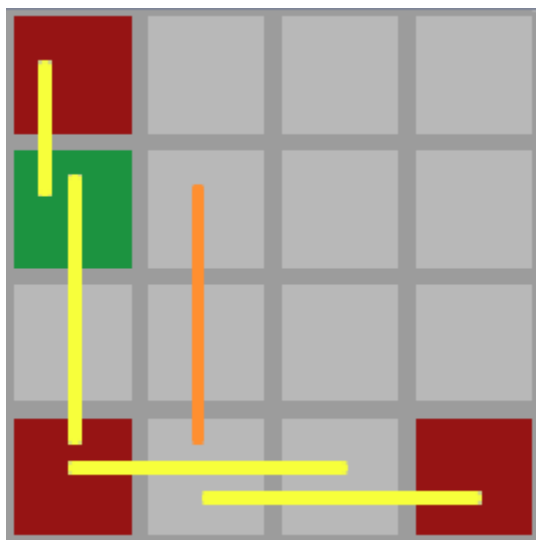
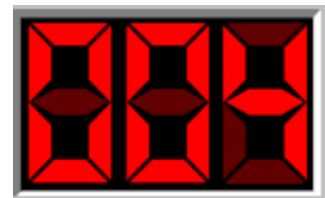
Difficulty: C

Let's assume the dark green cell is safe.

We now know the positions of 5 mines

This is impossible, as we only have 4 mines.

Therefore the dark green cell is a mine.



Type: Beta

Combinations Summary

Quick rundown of what the drawings below the explanations mean:

Light gray cells = “air” cells, or mines

Dark gray cells = covered a.k.a unknown cells

Yellow lines = cells connected form a region that contains one mine

Orange lines = cells connected form a region that contains two mines

Red lines = cells connected form a region that contains three mines

Blue lines = air lines. Is used to mark cells that are not part of the region, but where the initial line still goes through

Maroon cells = Elimination Cell, reaches a contradiction if a mine

Green cells = Reverse Elimination Cell, reaches a contradiction if safe

Orange cells = Inverted Elimination Cell, reaches the opposite contradiction if a mine

Yellow cells = Inverted Reverse Elimination Cell, reaches the opposite contradiction if safe

Black cells = only when there are too many elimination cells, the non-elimination cells are marked instead.

Other terms:

Elimination cell = Cell that is considered a mine that creates a contradiction

Reverse Elimination cell = Cell that is considered safe, which creates a contradiction

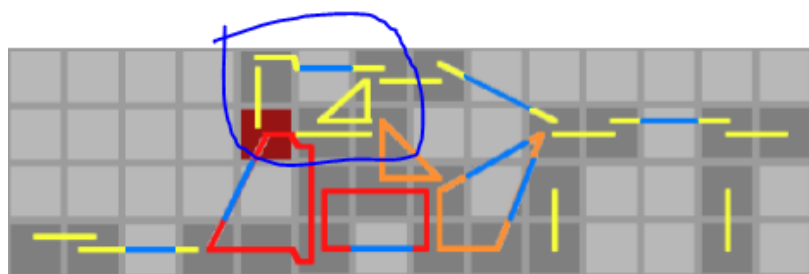
Inverted Elimination cell = Cell that unlike the other elimination cells, is the opposite bound, lower bound vs upper bound or upper bound vs lower bound

“>” = Too many mines are needed, creating the contradiction

“<” = Not enough room to put down all of the mines, creating the contradiction, rarer.

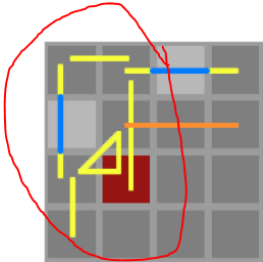
Combo Box αβ

A structure found in a lot of combinations examples:

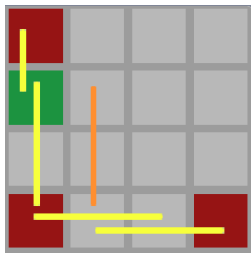


A few observations:

- The elimination cell seems to be in this box when the box is present, as seen in “Combinations #3”, there is no combo box, so the elimination cell is somewhere else
- The elimination cell seems to touch the triangle that is part of the structure, any combinations example that has this will be named “alpha”.



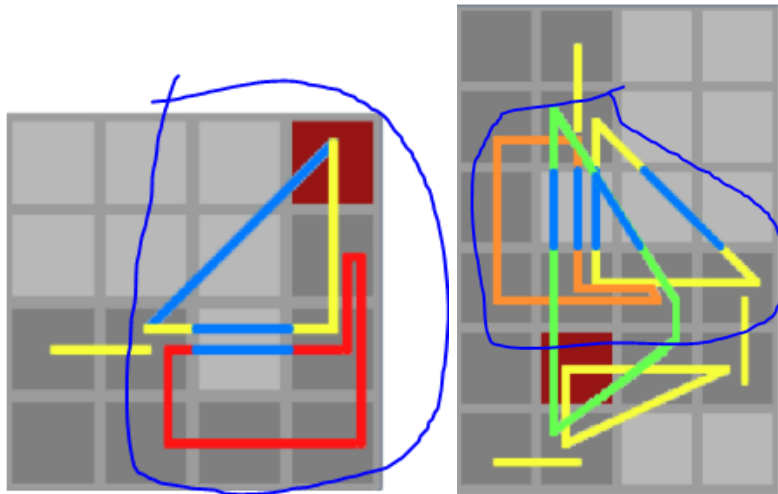
I feel like based on the fact that a good number of combinations patterns have these boxes, looking for these is a good idea. Keep in mind that these are not required for a combinations pattern, as seen in i.e. “Combinations #3”



< Combinations #8, this is somewhat similar to the box, but not completely. I will call this a broken box, type beta.

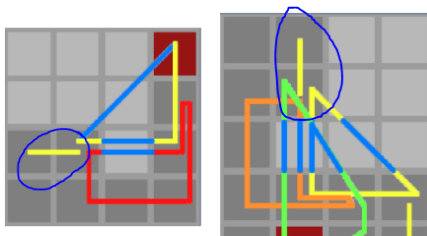
Factory Shape Γ

A shape found in quite a lot (mostly easier) combinations, examples (Comb. #3, Comb. #6):



A few observations:

- If there is a factory shape, there is not always a combination cell inside of it, but it still seems relevant.
- The base can vary, 3 mines (ex1) and 2 mines (ex2)
- There seems to be a yellow region next to it. This should be part of the shape.

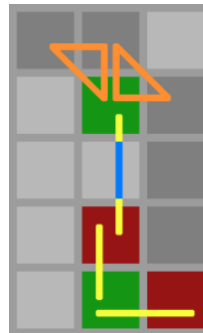


()

For now, I will name any combinations with the factory shape “gamma”, due to lack of sample

Other Types φ

φ = lacks sample, has some similarity to Γ



Some of these may be low res / not clear

Pattern #1



Depth: 5

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The 3 sees the orange and yellow cells, therefore the red crossed cell contains a mine as the 4 other cells would contain 2 mines at most

The green cells contain one mine due to the 3

The 2 sees the red and green cells, therefore the lime crossed cell is safe

The cyan cells contain one mine due to the 3

The 2 sees the cyan cells, therefore the lime crossed cell is safe

Pattern #2



Depth: 4

Difficulty: B

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The 2 sees both the yellow cells and green cells, therefore the lime crossed cells are safe.

HD Image Reconstruction by [Not Anon](#)

P-Pattern Advanced+



Depth: 7

Difficulty: C

The red cells contain one mine

The orange cells contain one mine

The yellow cells contain one mine

The green cells contain one mine

The cyan cells contain one mine

The 4 sees both the blue and yellow cells, so the third and fourth mine go into the red crossed cells.

The purple cells contain one mine

The 2 sees both the purple and green cells, so the lime crossed cell is safe

The pink cells contain one mine

The 2 sees both the orange and pink cells, so the lime crossed cell is safe.

Game Records of Rare Patterns

[Game #655748797 - Minesweeper Online](#) Caterpillar1, [84436](#), 22-4-2021 13:33 UTC (3:49)
[Game #694370528 - Minesweeper Online](#) SIC 3x3{1}, [84436](#), 22-5-2021 4:08 UTC (0:01)
[Game #733395485 - Minesweeper Online](#) OutwardChain1, [Archeaic](#), 19-6-2021 19:35 UTC (4:28)
[Game #829205397 - Minesweeper Online](#) SingleJoinedBox2, [Archeaic](#), 25-8-2021 14:58 UTC (6:00)
[Game #872174355 - Minesweeper Online](#) BasicBoxUpper1, [Archeaic](#), 21-9-2021 16:39 UTC (1:12)

[Game #1012022824 - Minesweeper Online](#) swappedbox

[706104200-hd-24-87754.png \(420×482\) \(minesweeper.online\)](#)

[Imgur: The magic of the Internet](#)

Artificially Created

Any pattern created manually is classified here.

Epilogue/Links

A few notes regarding the current state of the document

- "Holes", "Holes+", and "High Complexity" are very unfinished, I have been mostly working on the box logic and "Combinations" sections
- If you have better suggestions for pattern names tell me
- The "Game Records of Rare Patterns" can get submissions
- The "Artificially Created" section can get submissions

[Chain Library](#)

[Terminology](#)