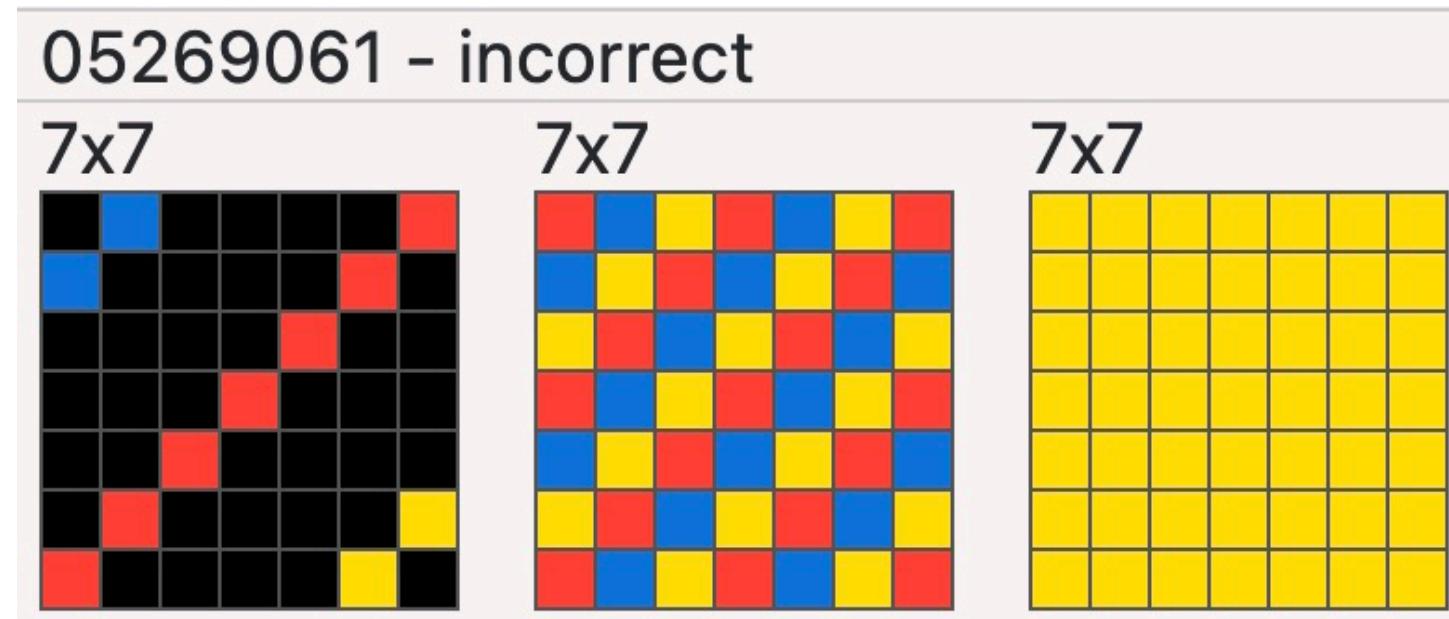
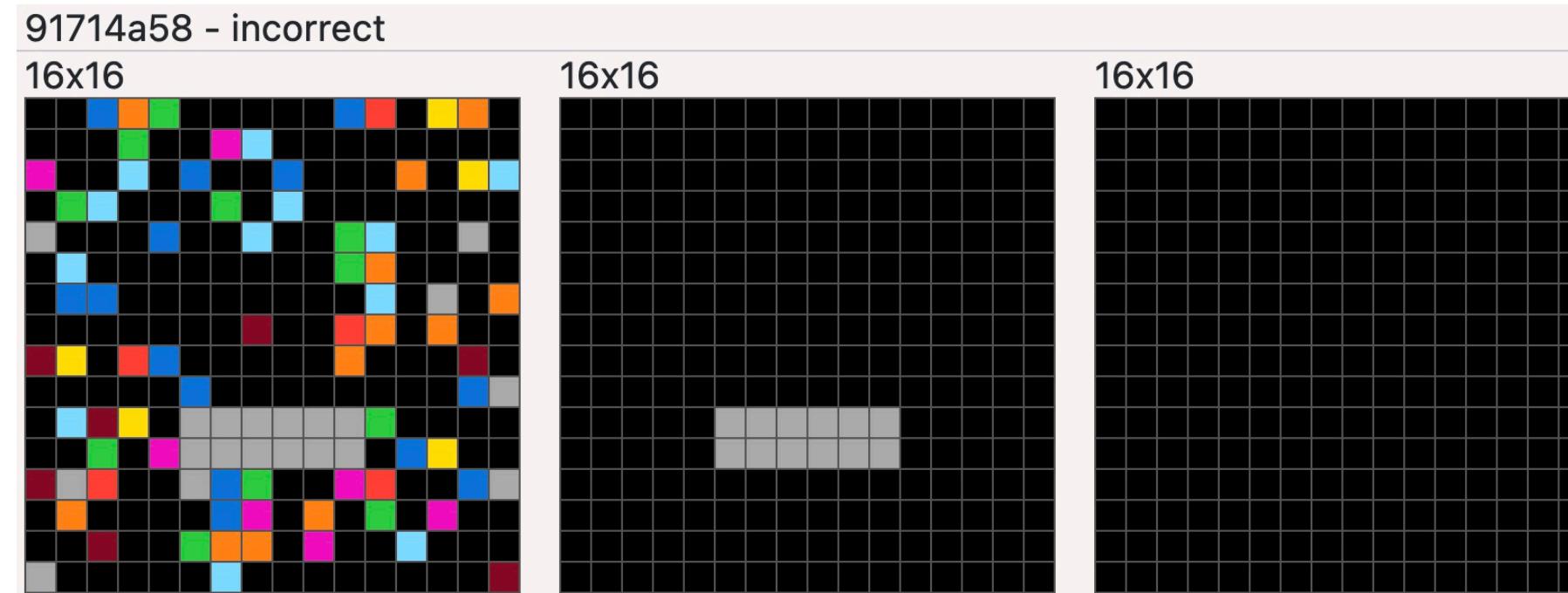
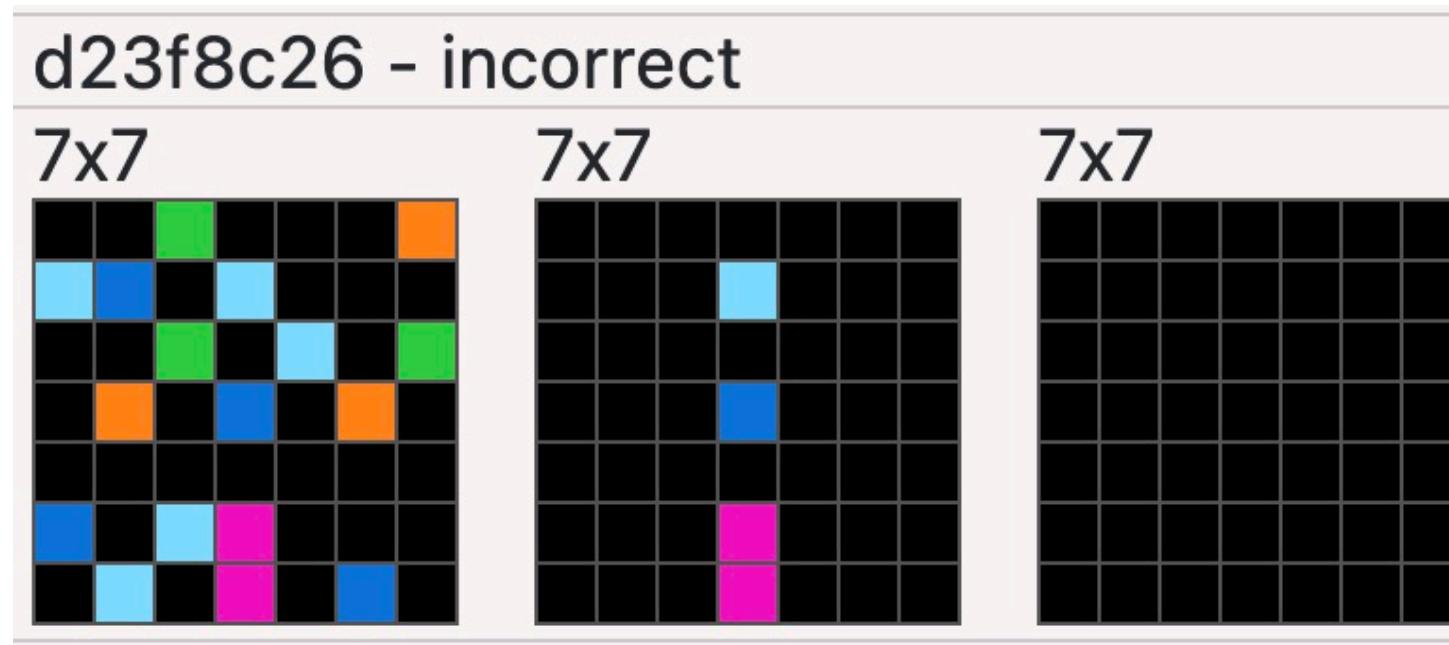


# **Reject bad predictions**

**Only considering tasks where input size == output size**

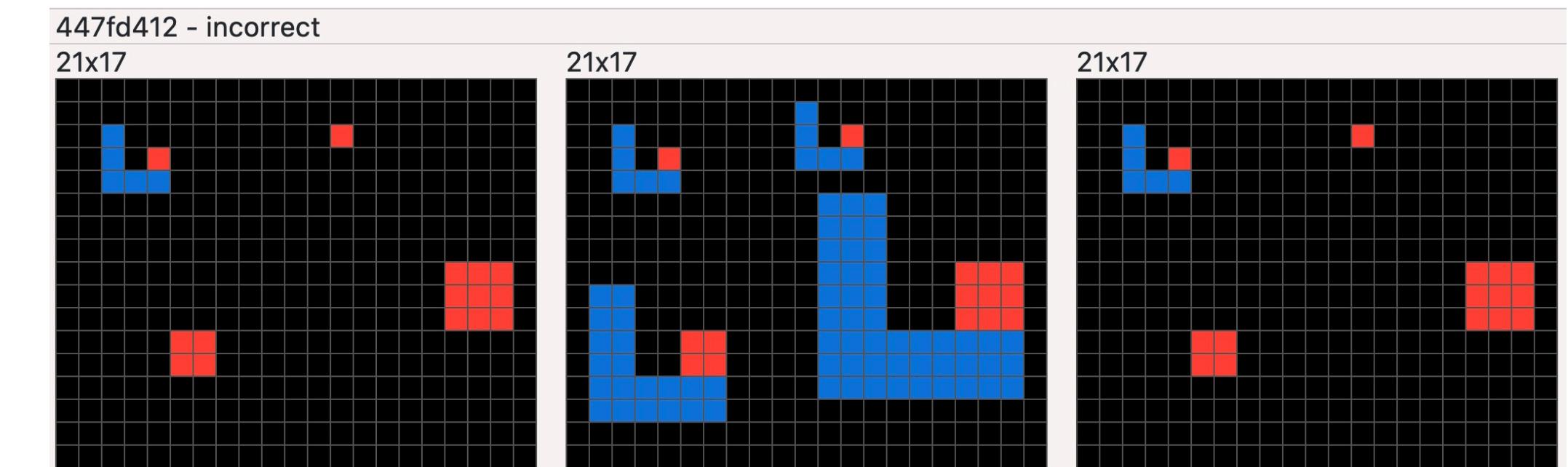
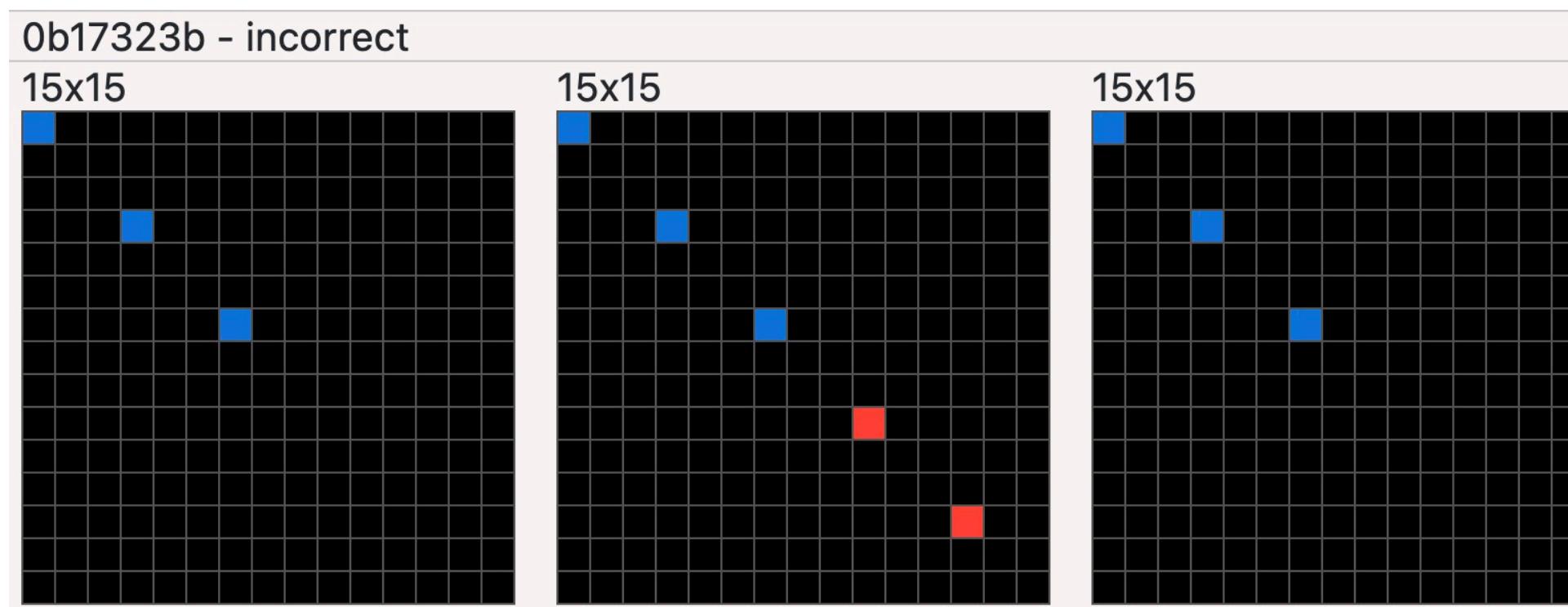
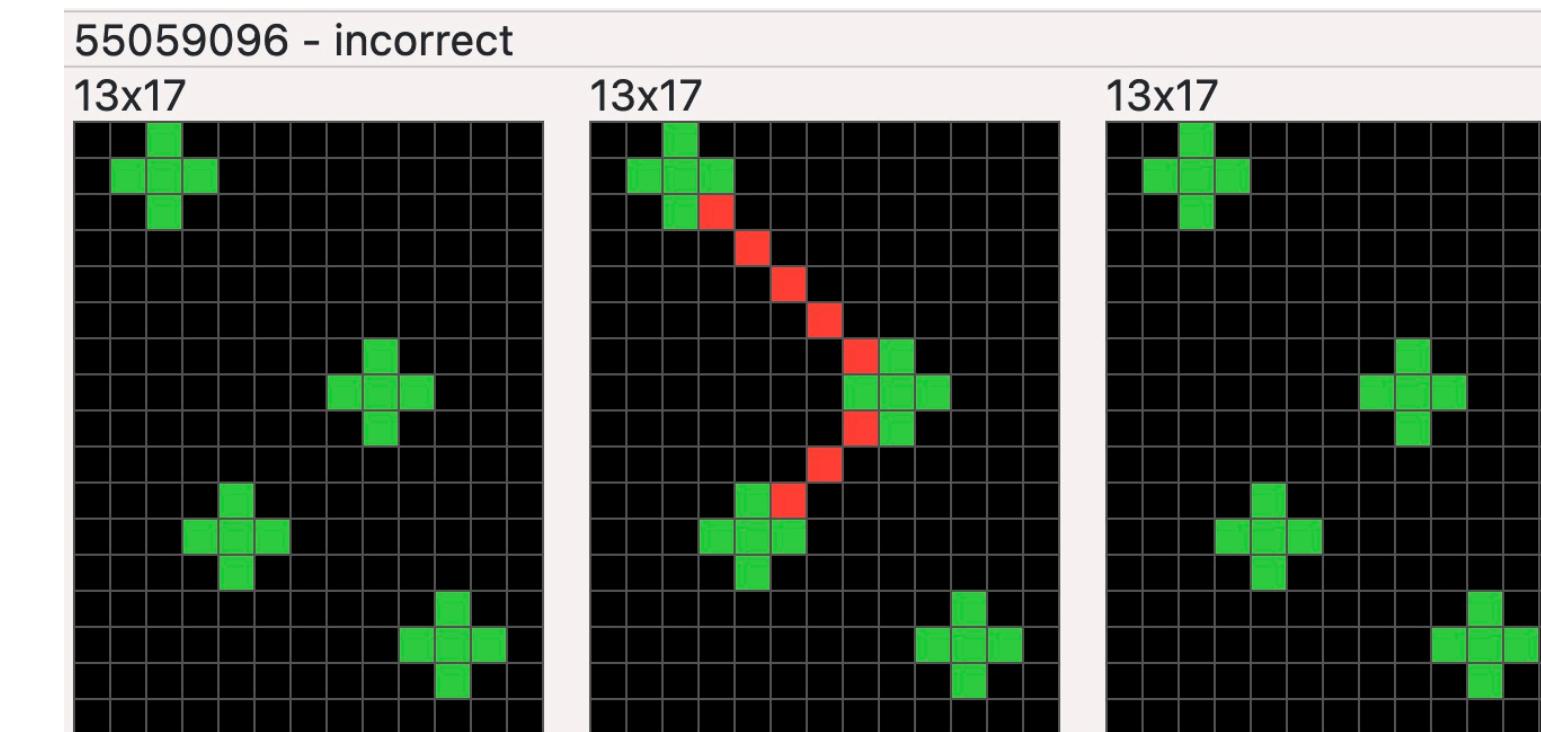
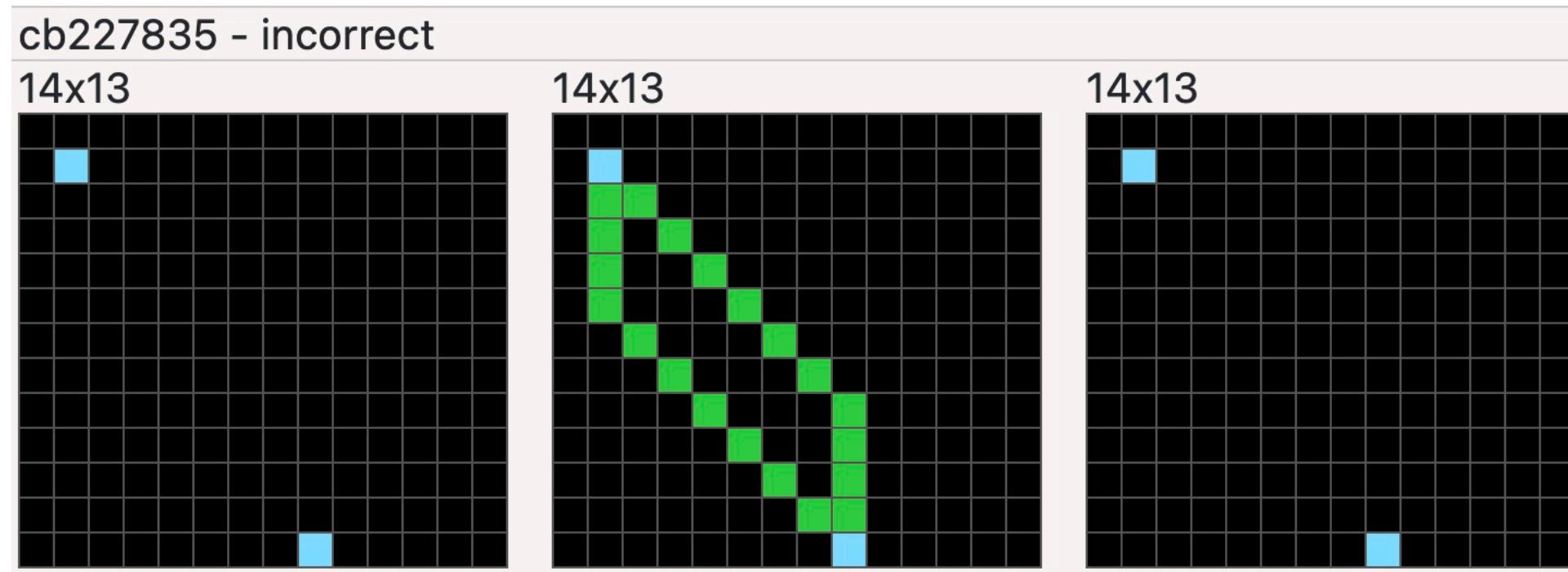
# Empty output

There are supposed to be something. If it's all the same color then reject it.



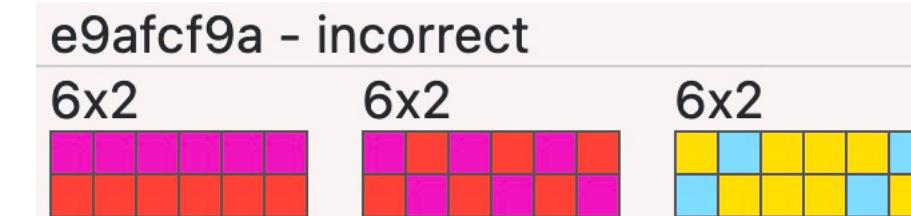
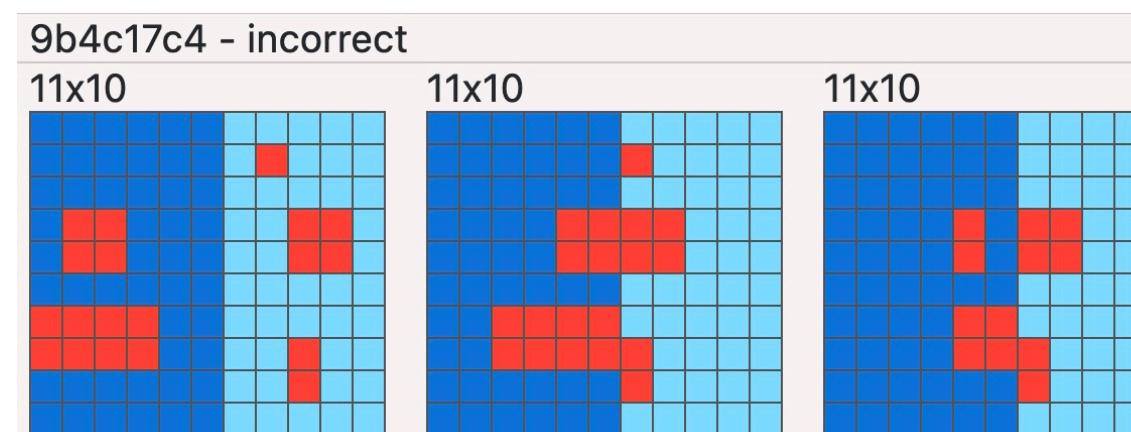
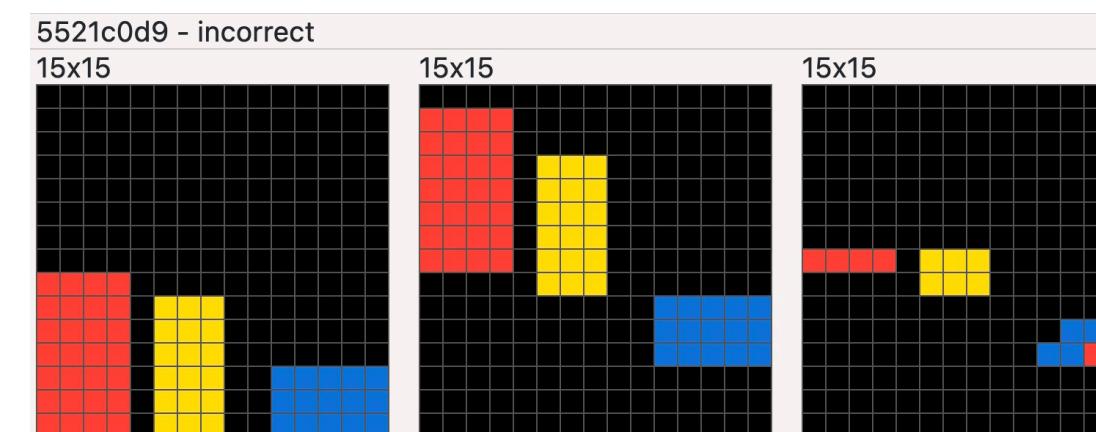
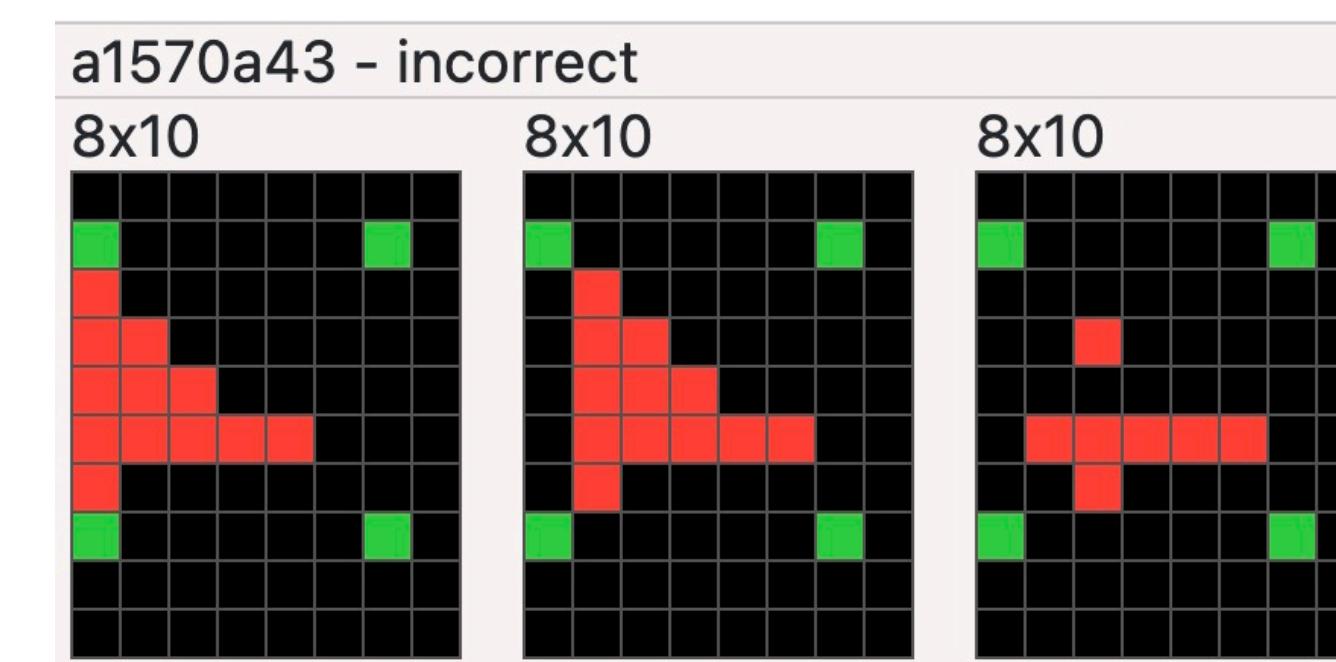
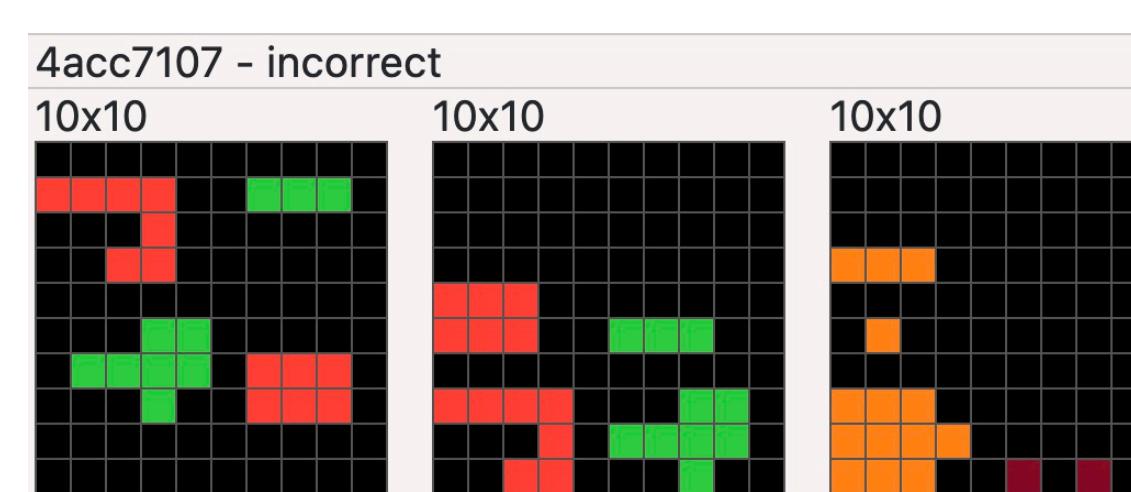
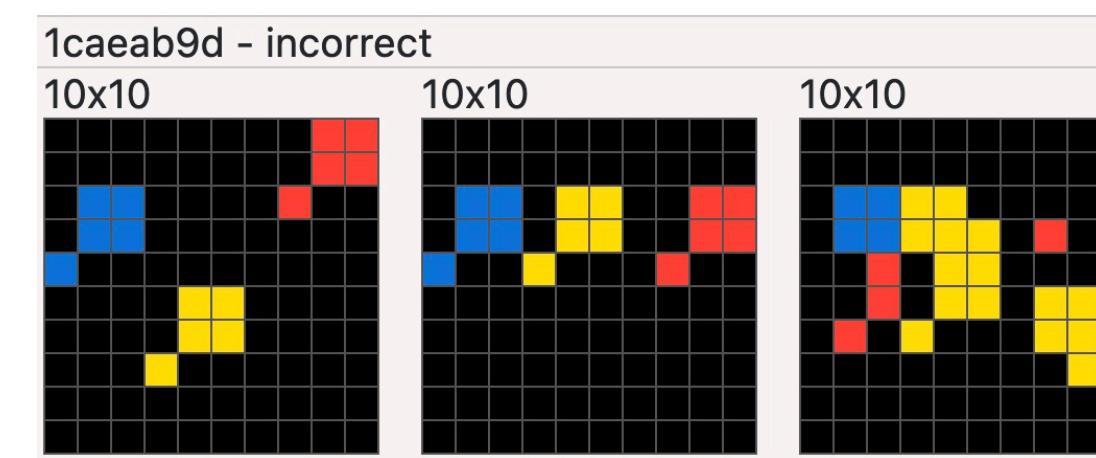
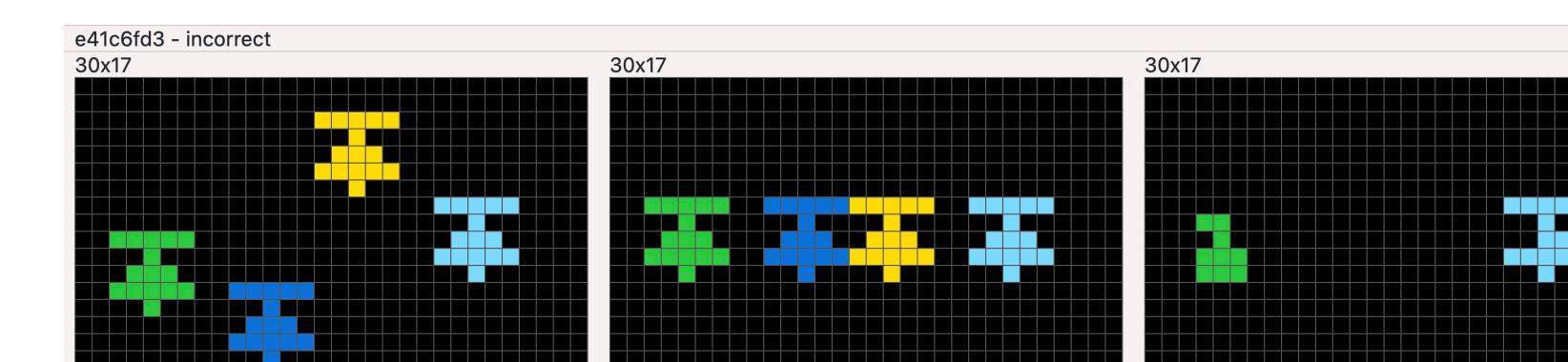
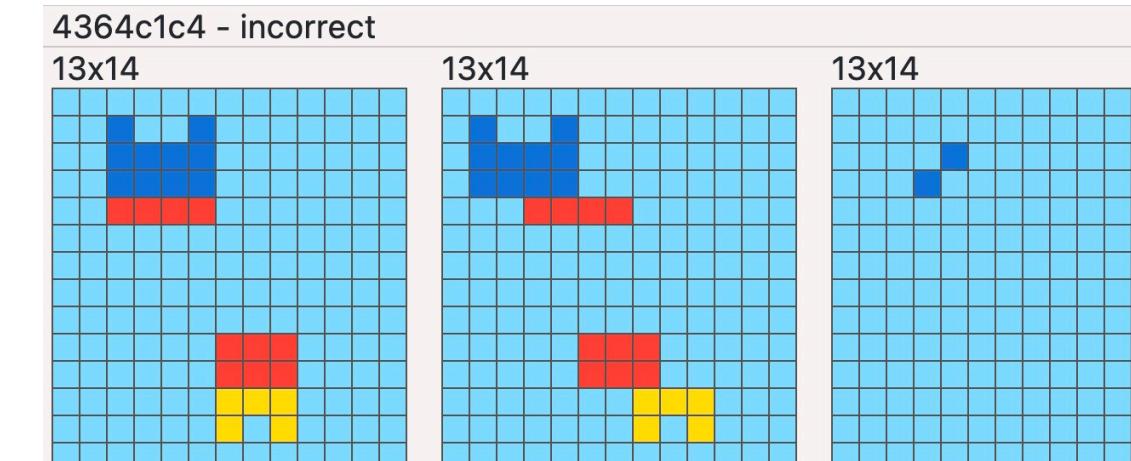
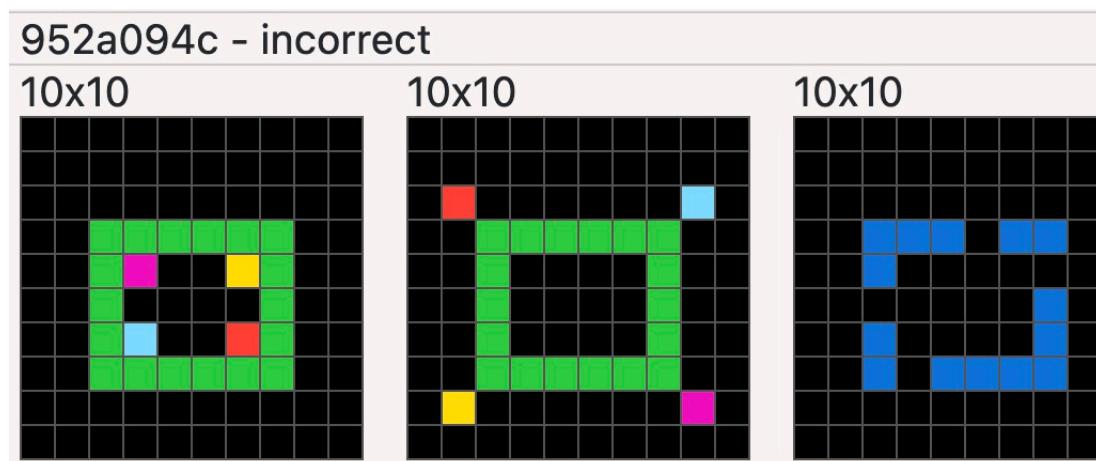
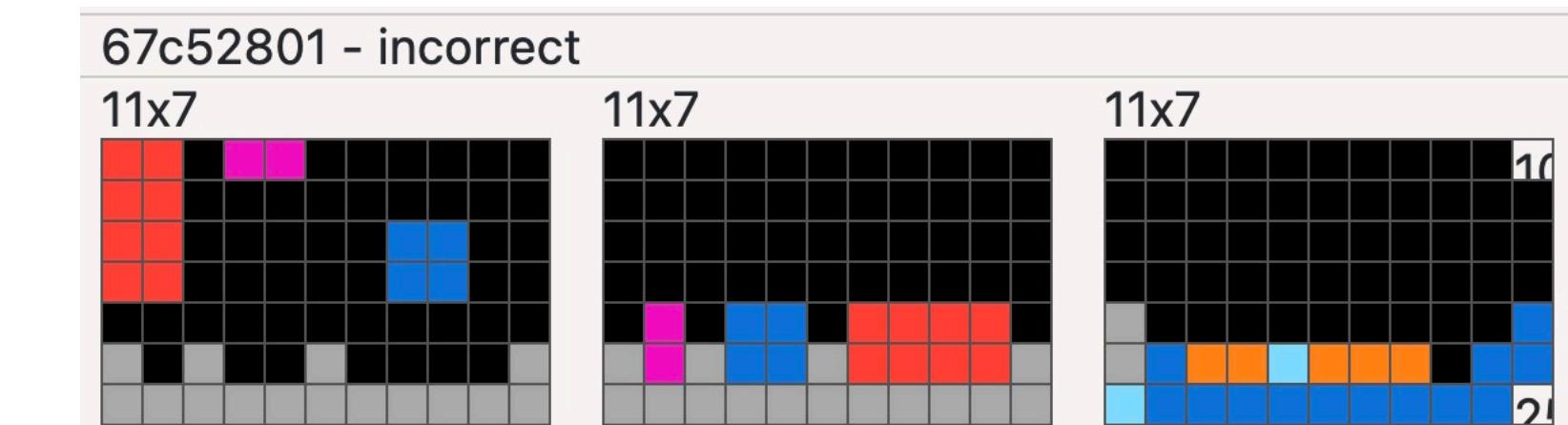
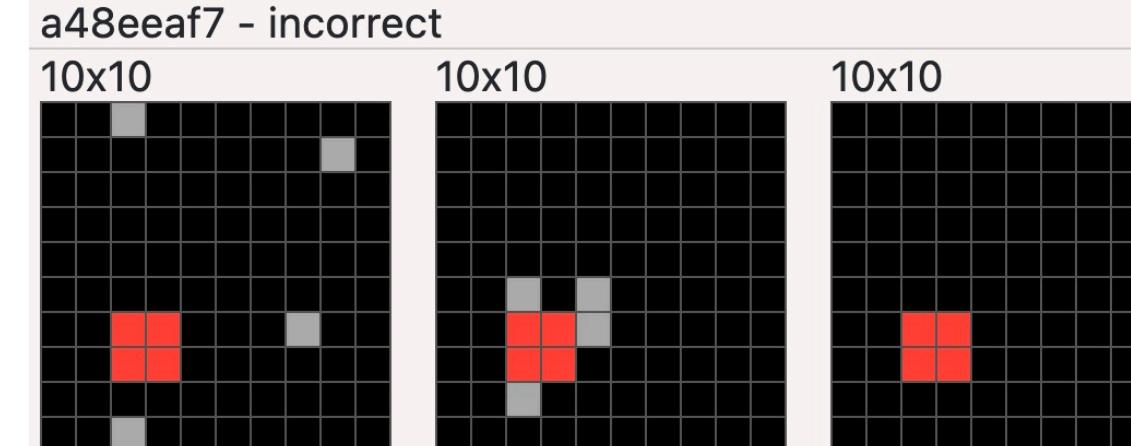
# Output must be different than input

Reject when the output is a copy of the input



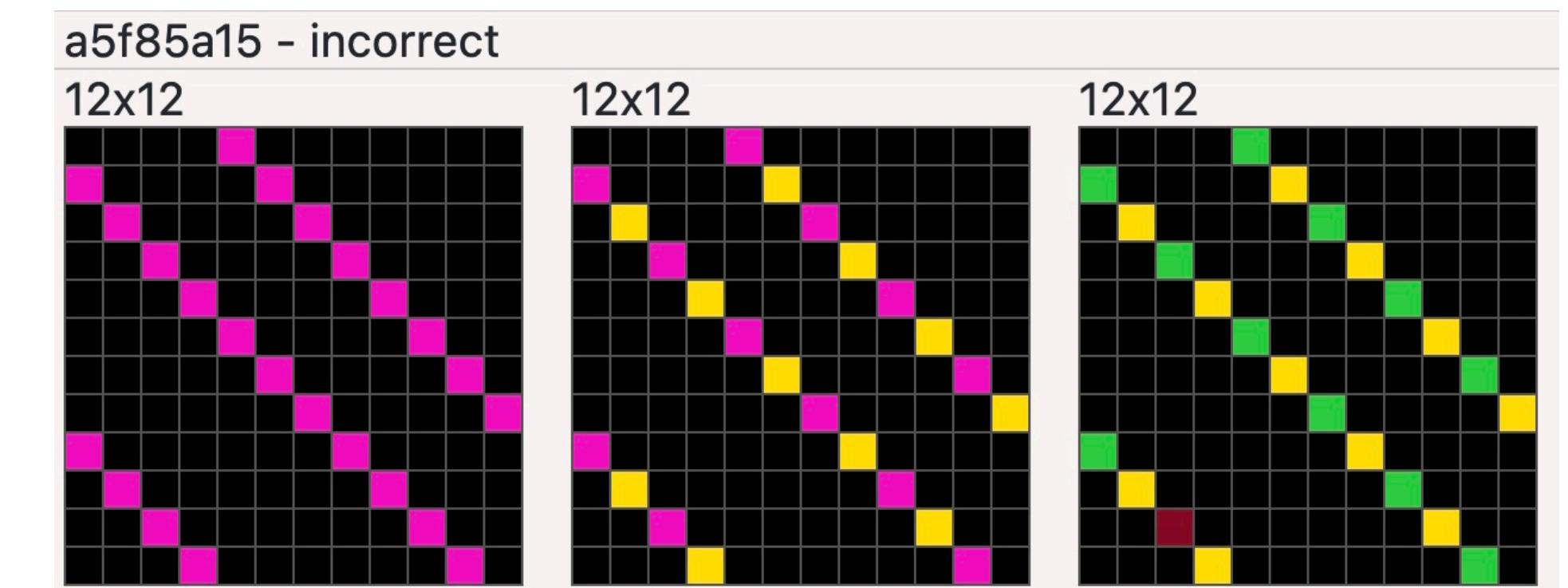
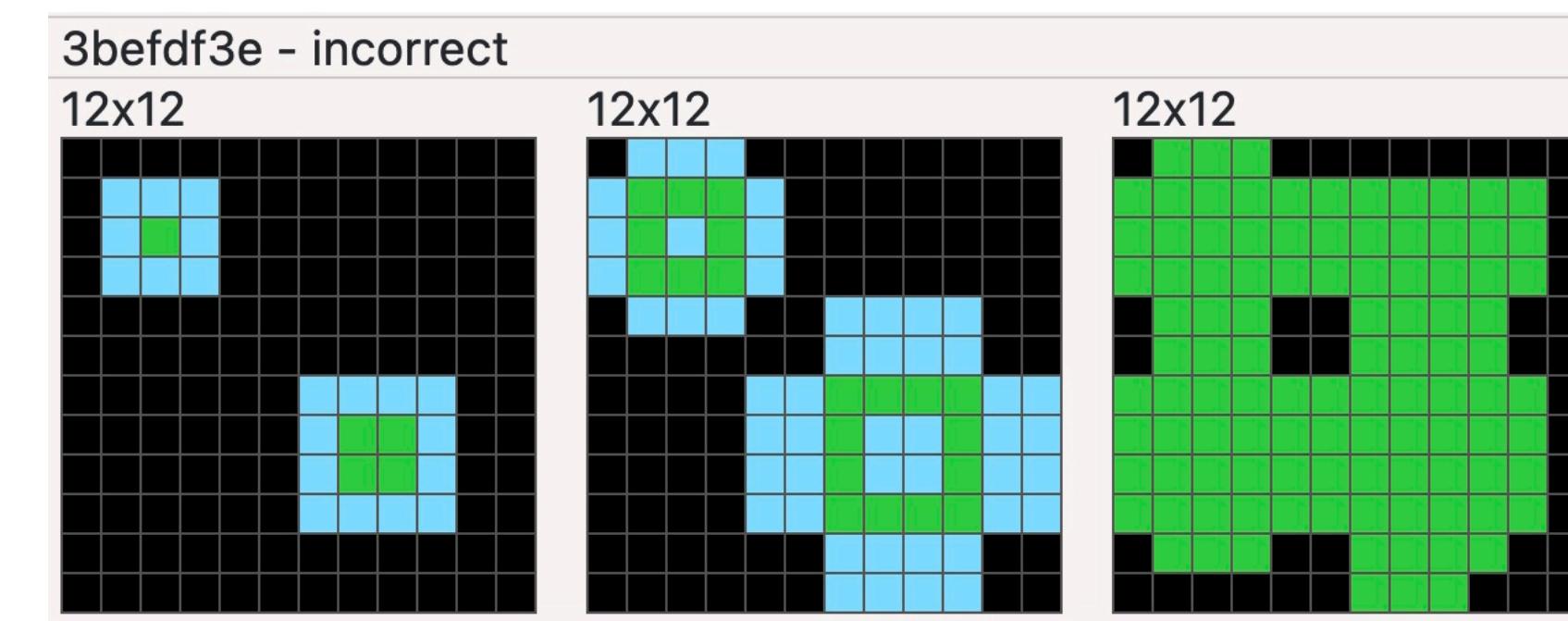
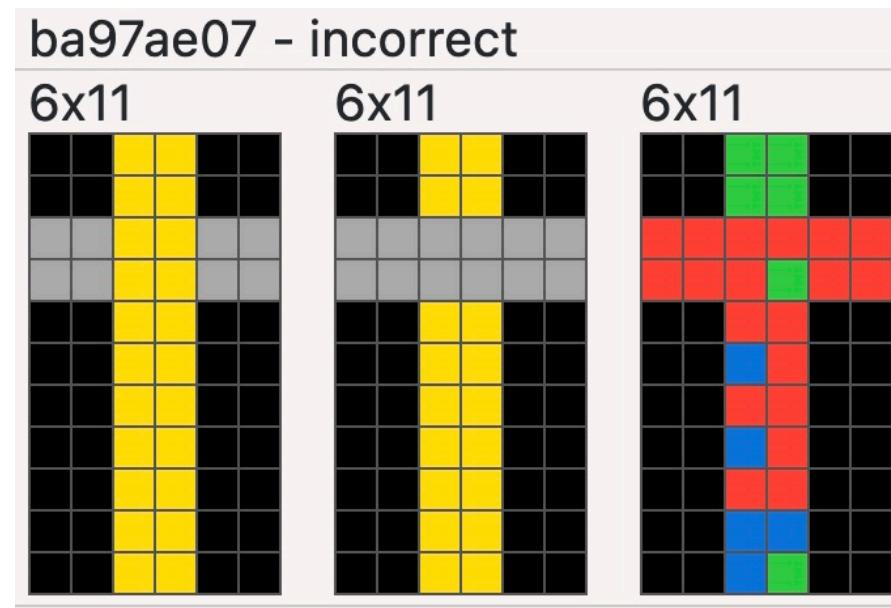
# Histogram must be identical

Reject if the output histogram is different than the input histogram.



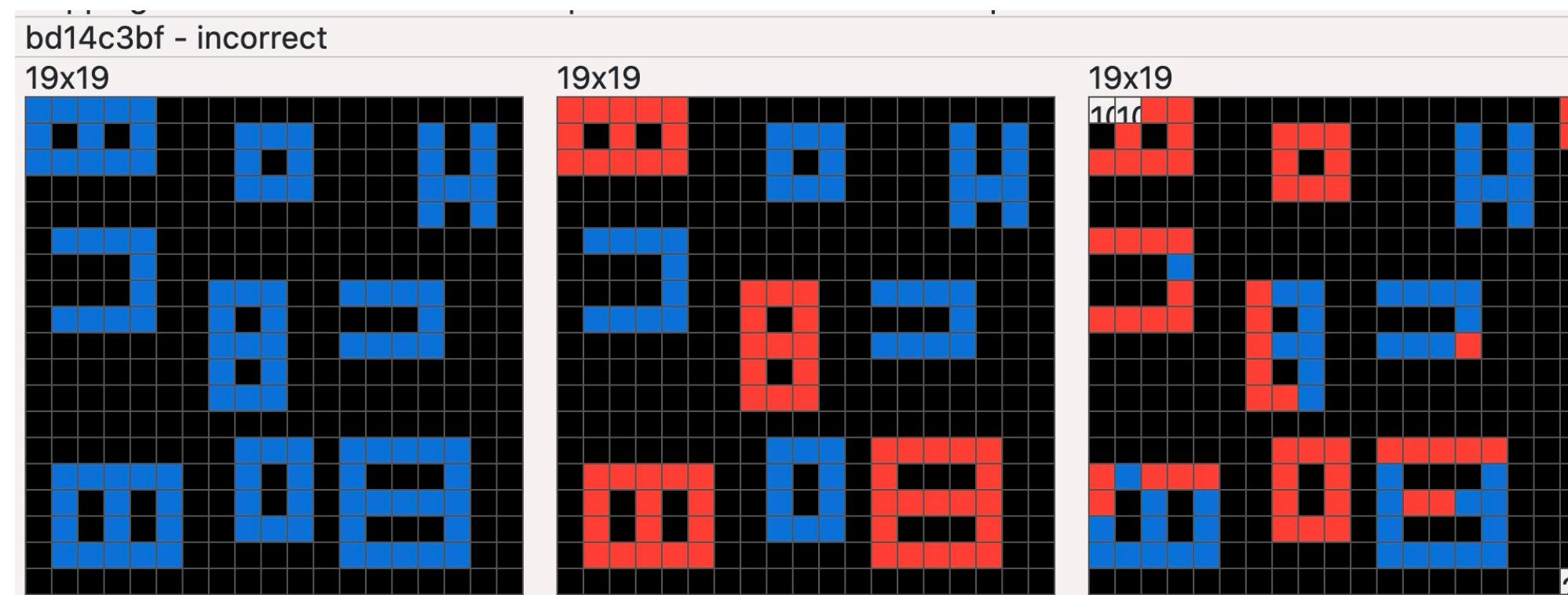
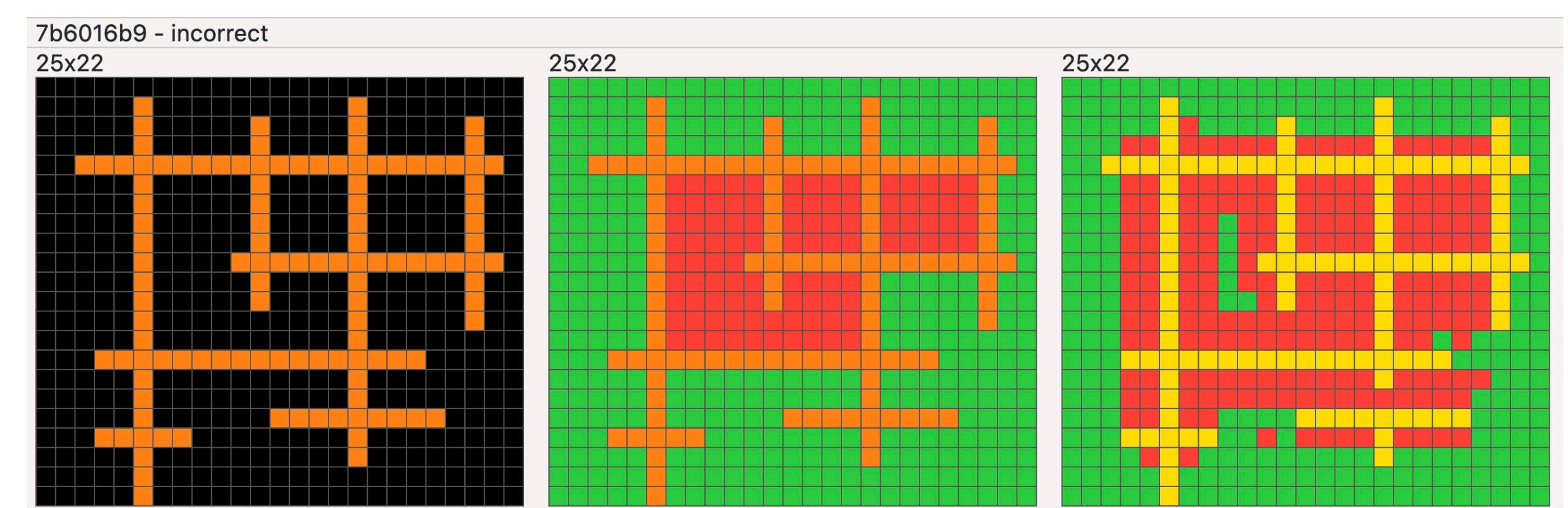
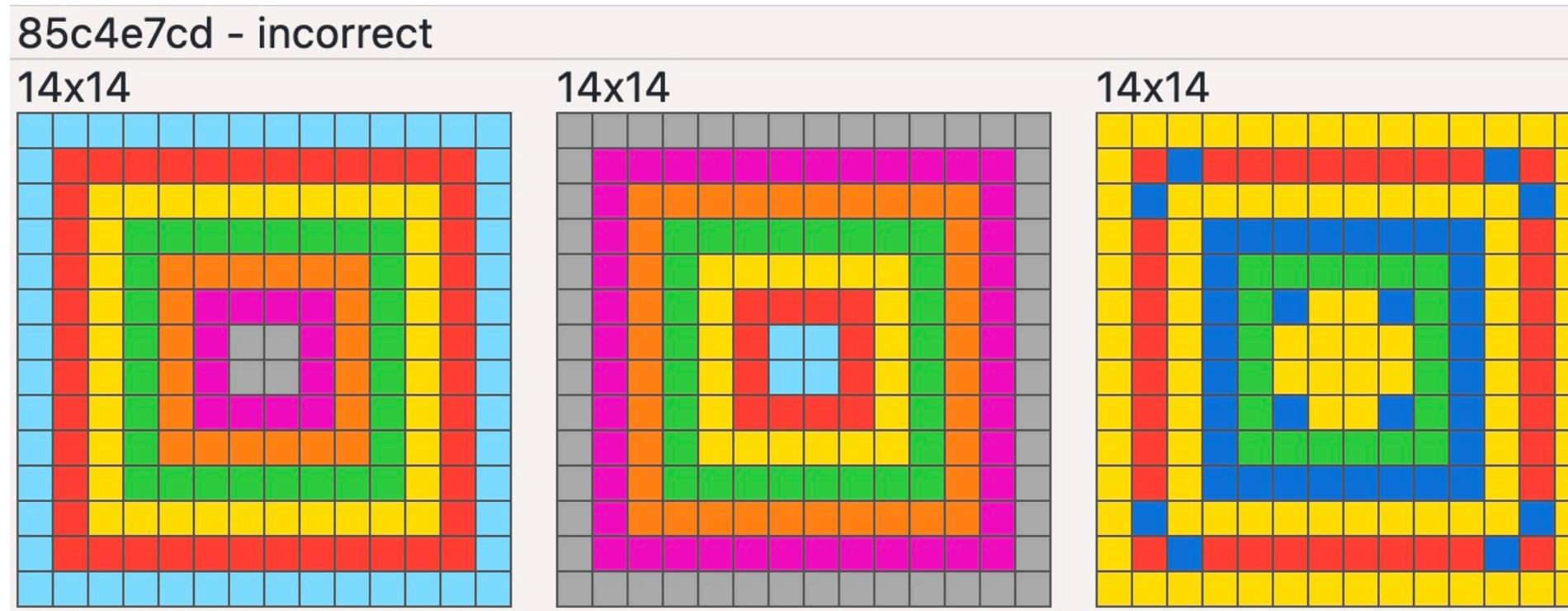
# Number of unique colors

There are supposed to be X unique output colors.  
But there are Y unique colors, then reject.



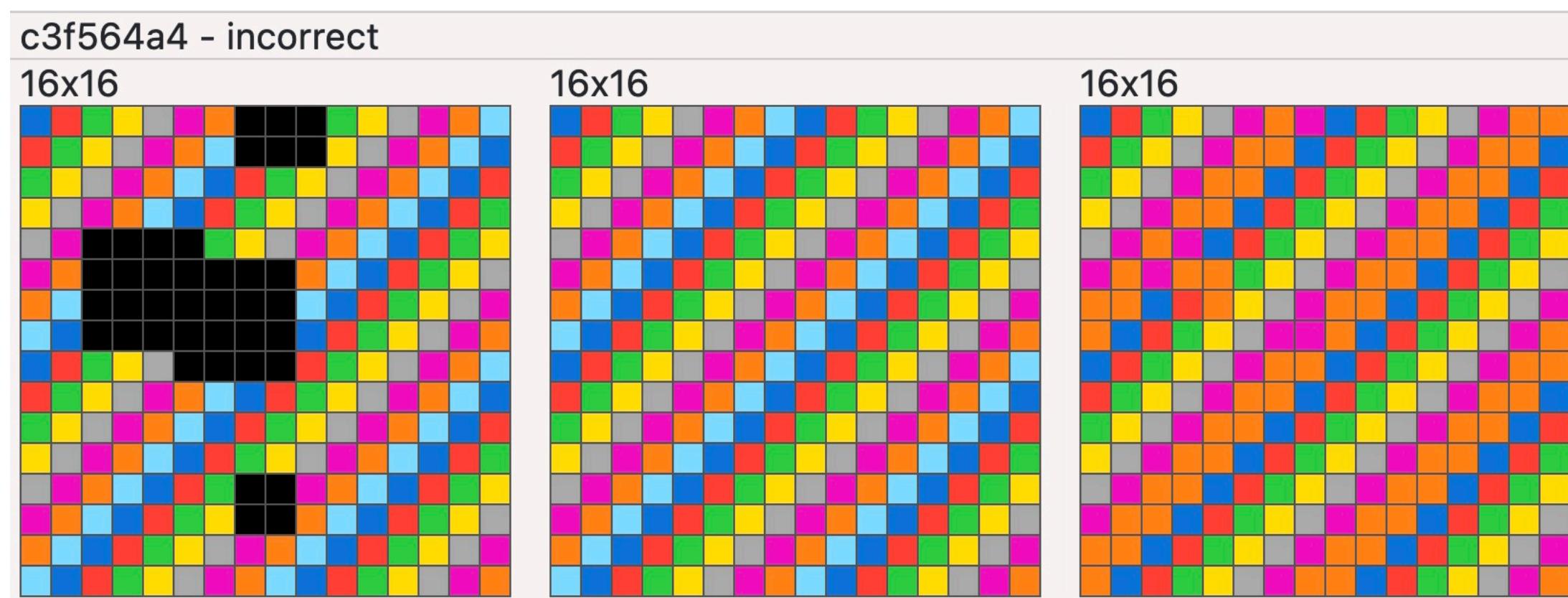
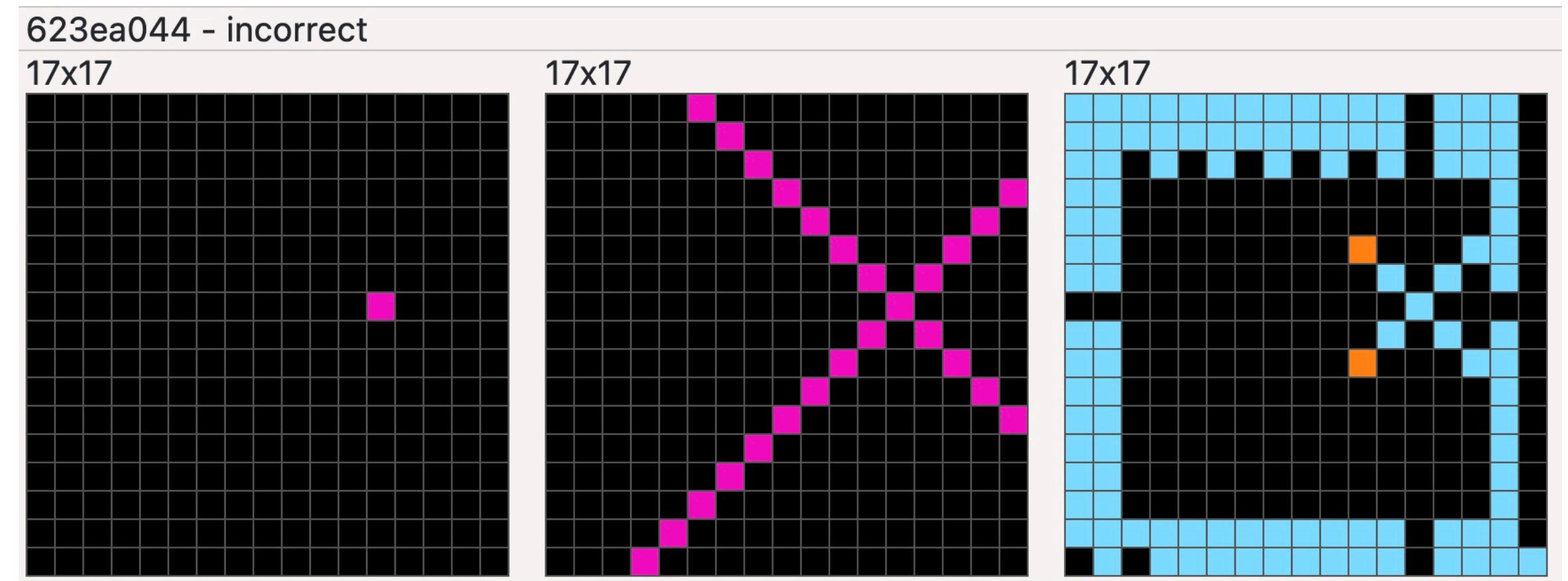
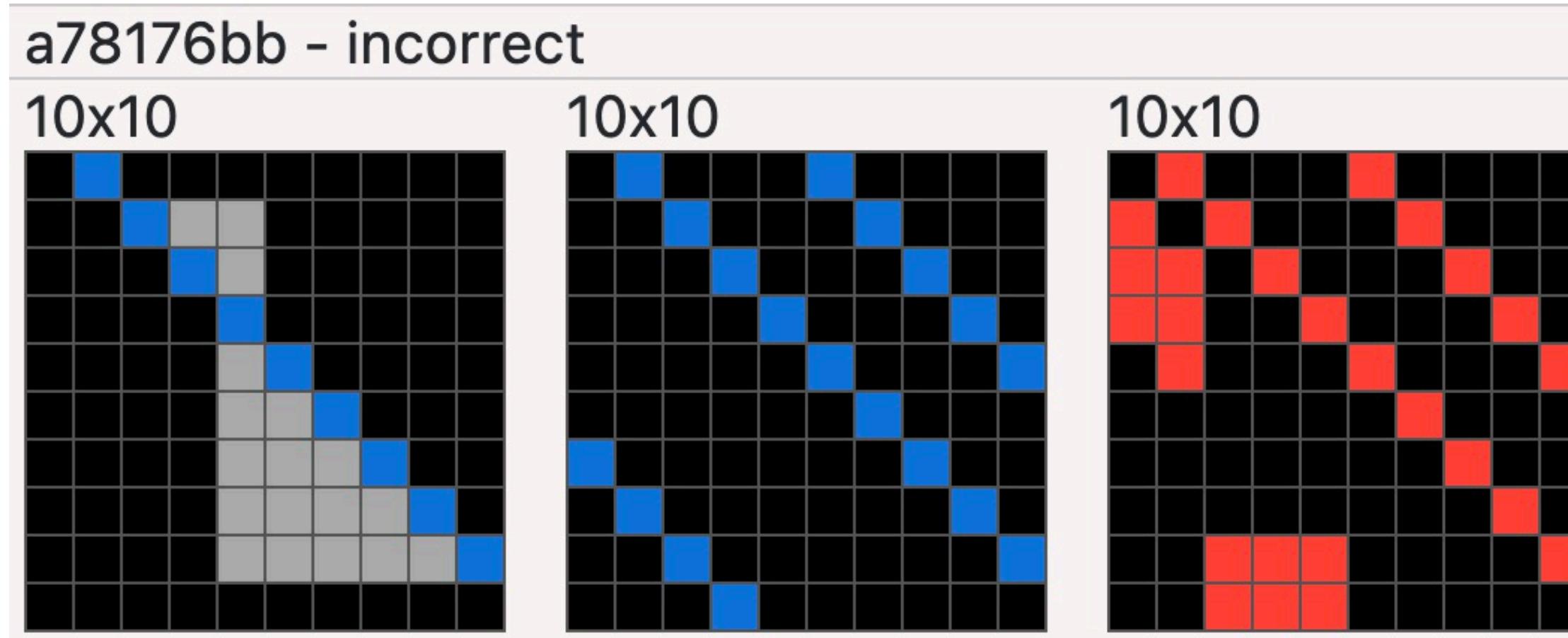
# Must preserve 3x3 structure

Reject when encountering pixels that have a different structure.



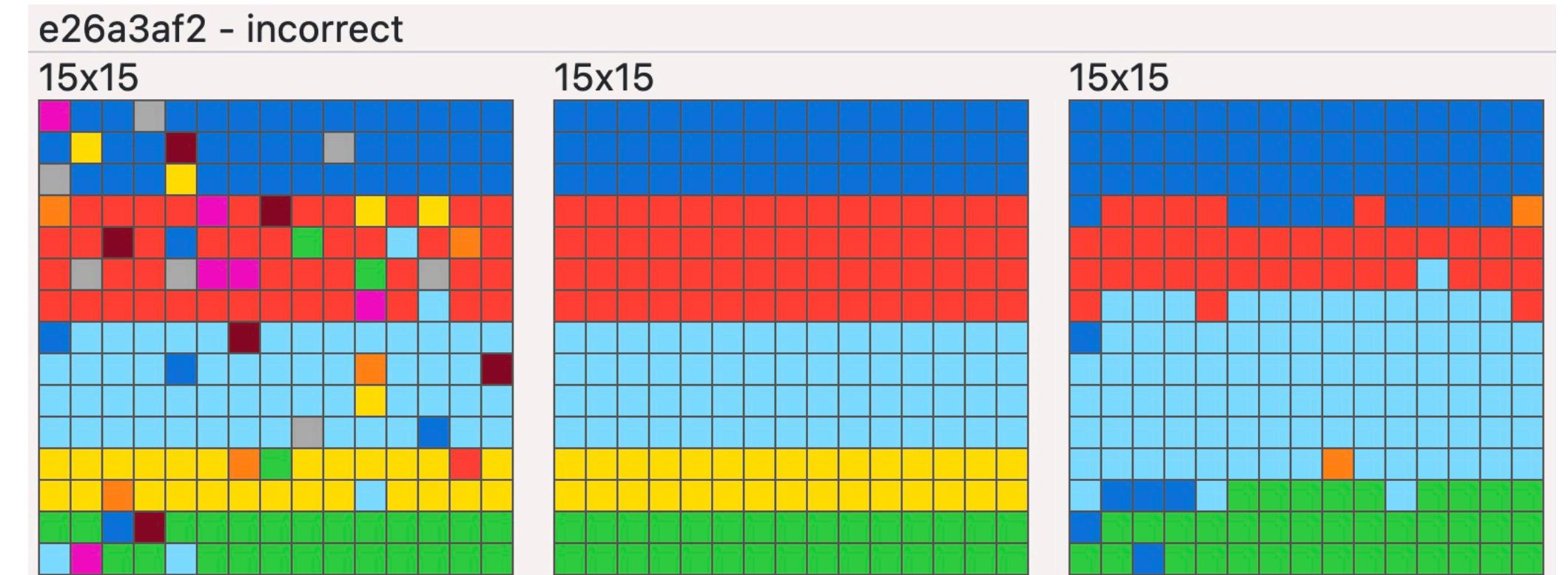
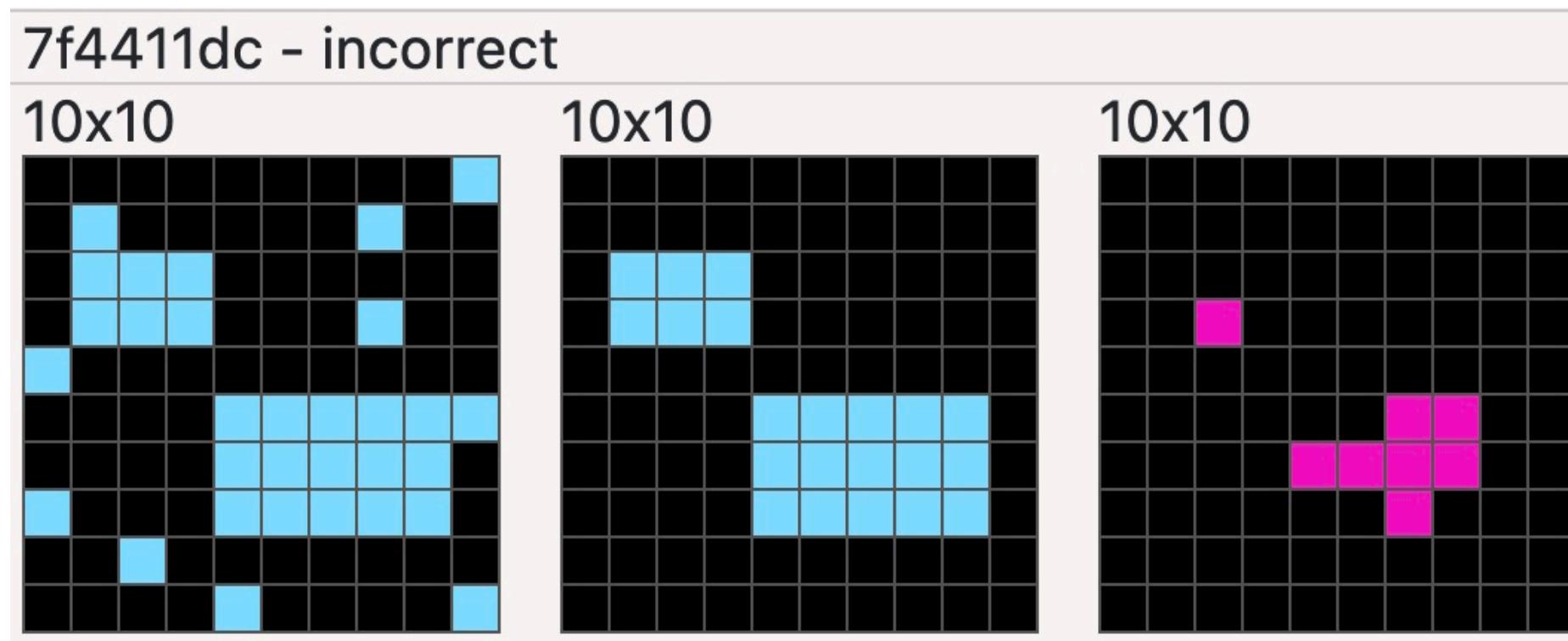
# Must be diagonal lines

There are objects with a non-diagonal shape.



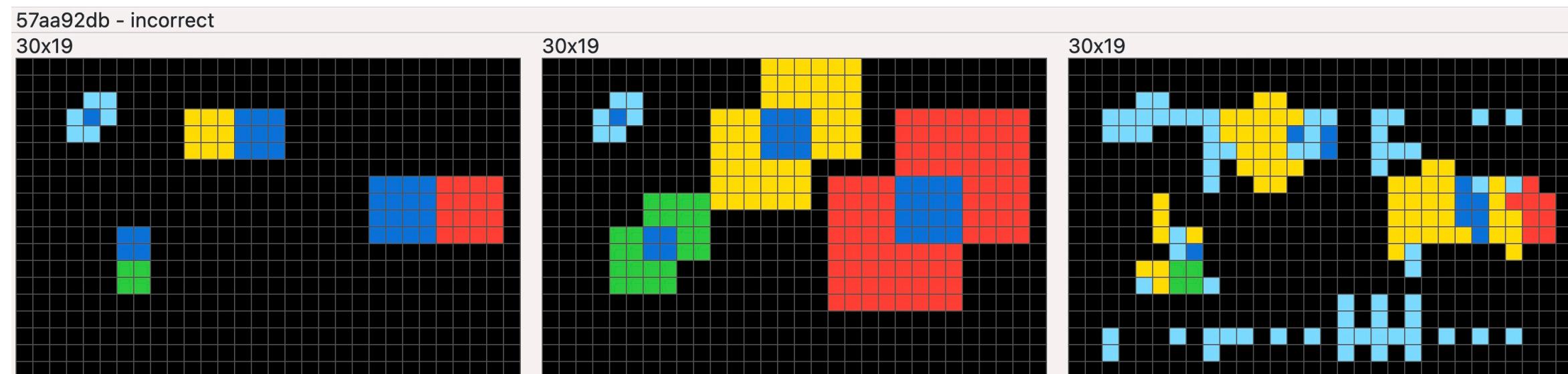
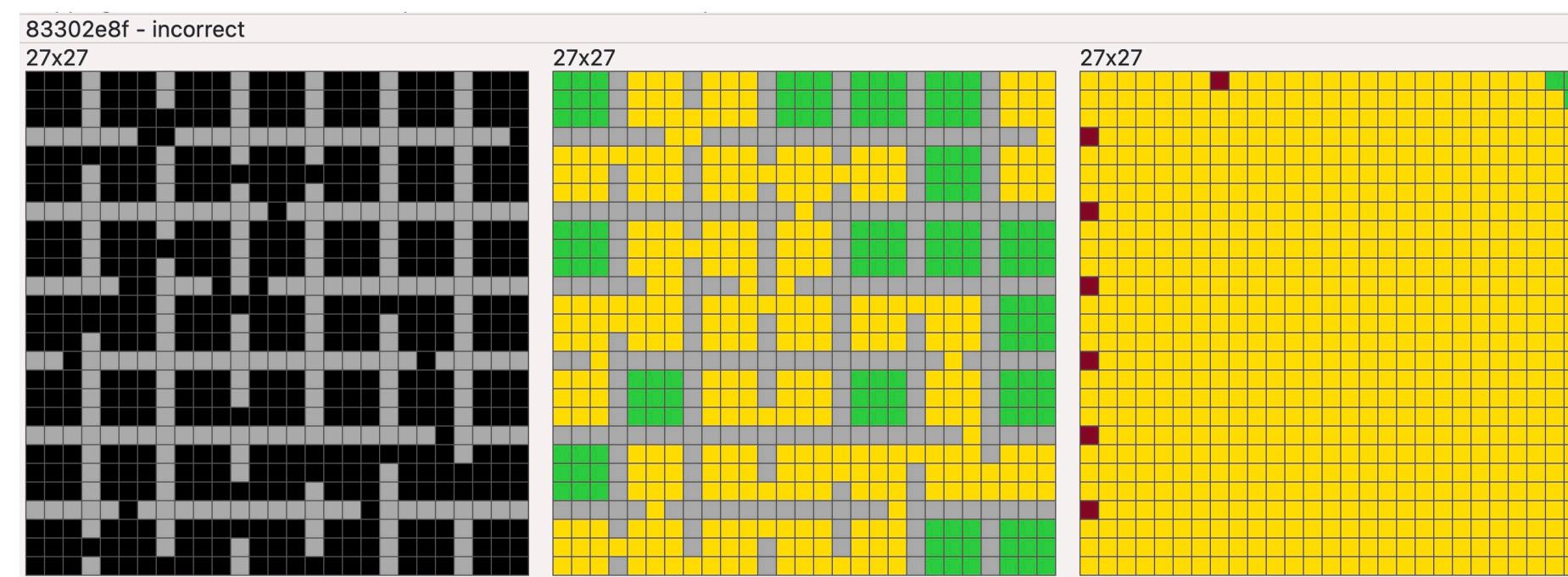
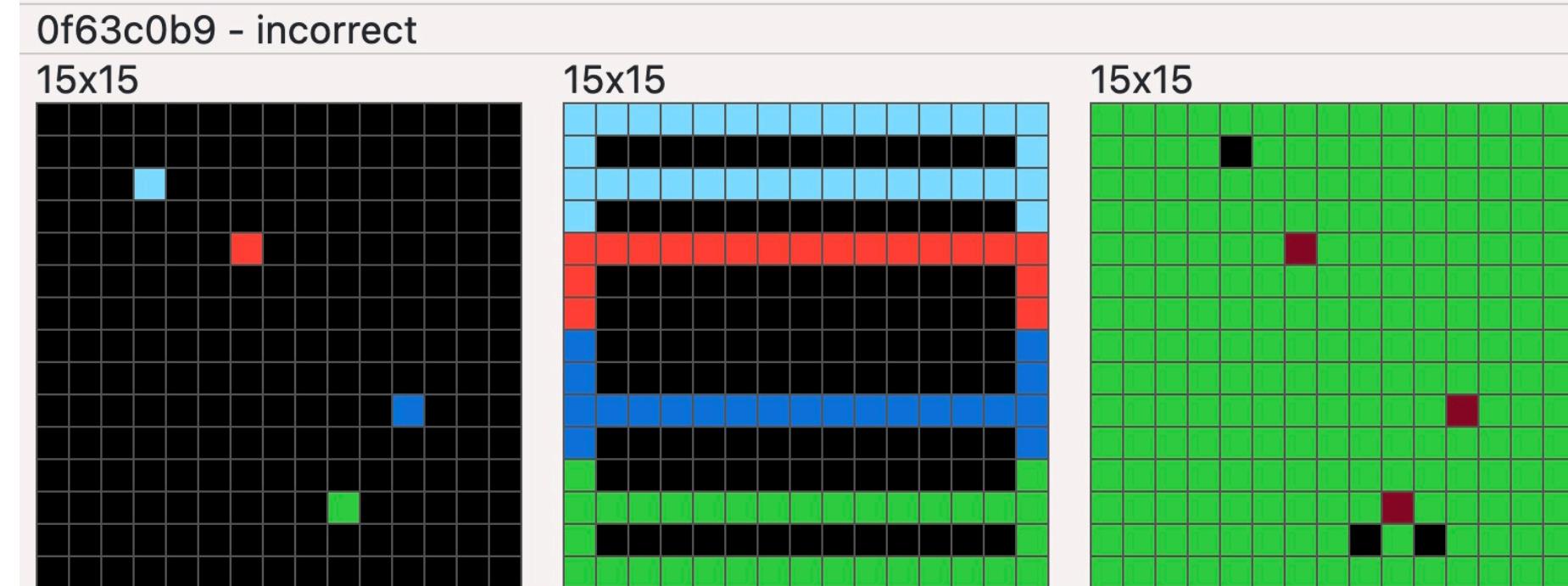
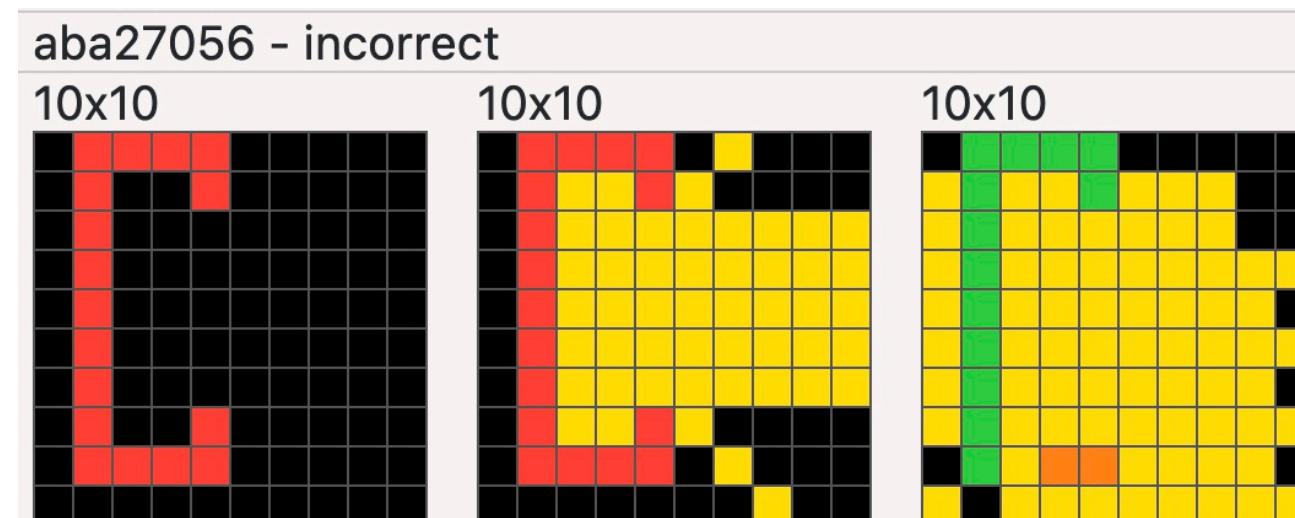
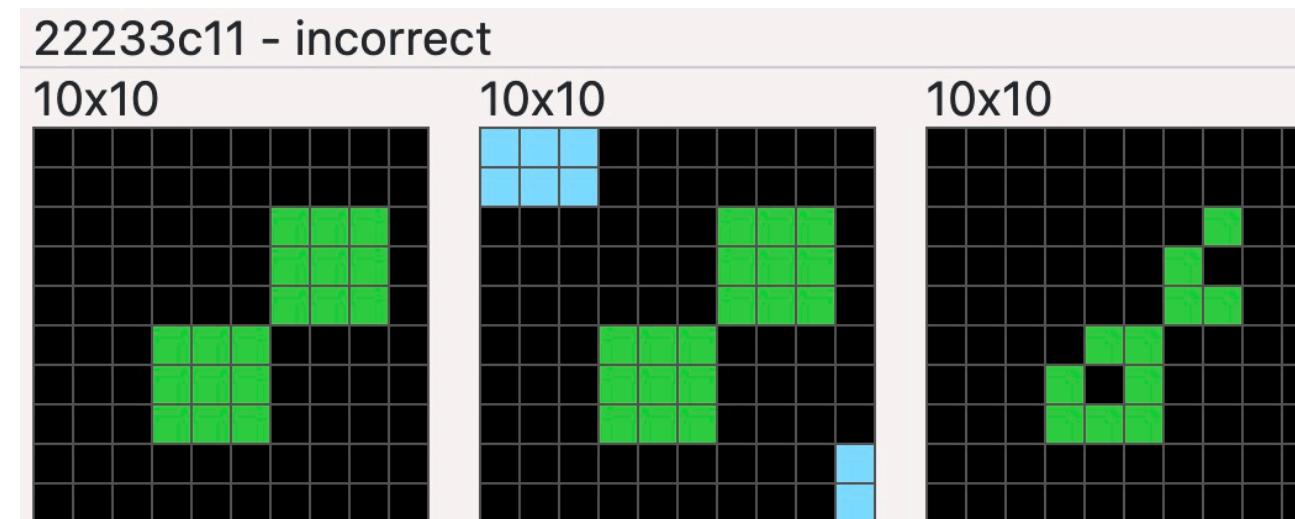
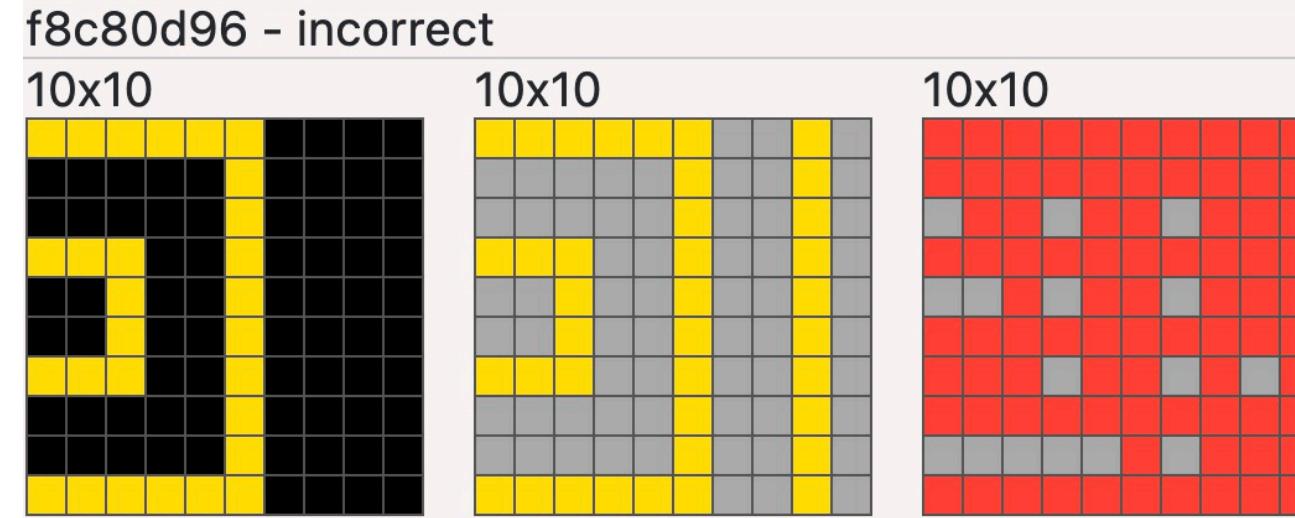
# Objects must be rectangles

Reject if the output contains shapes of different kinds.



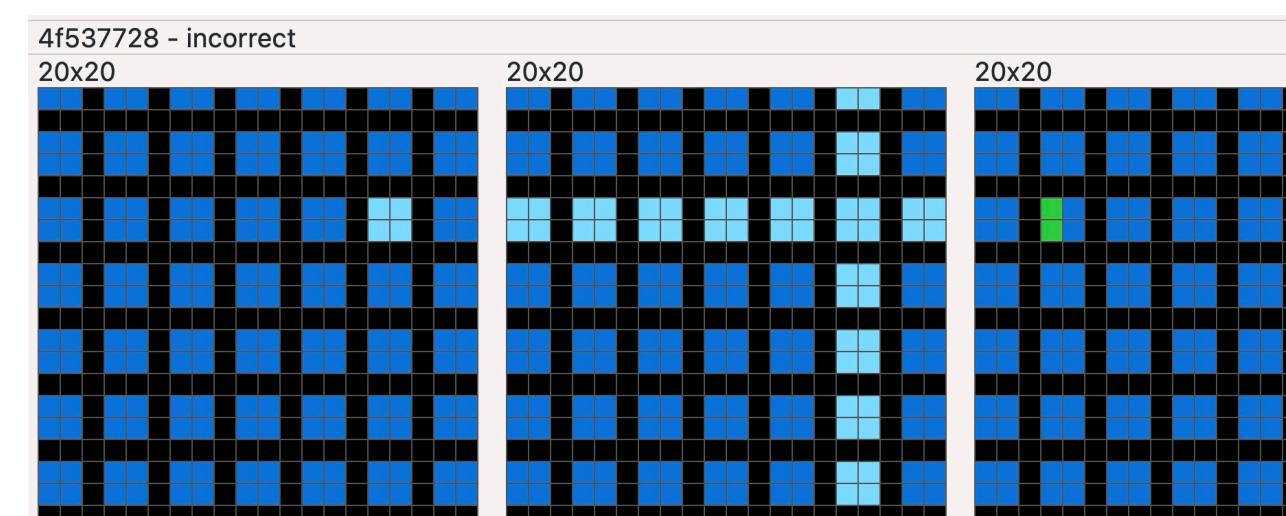
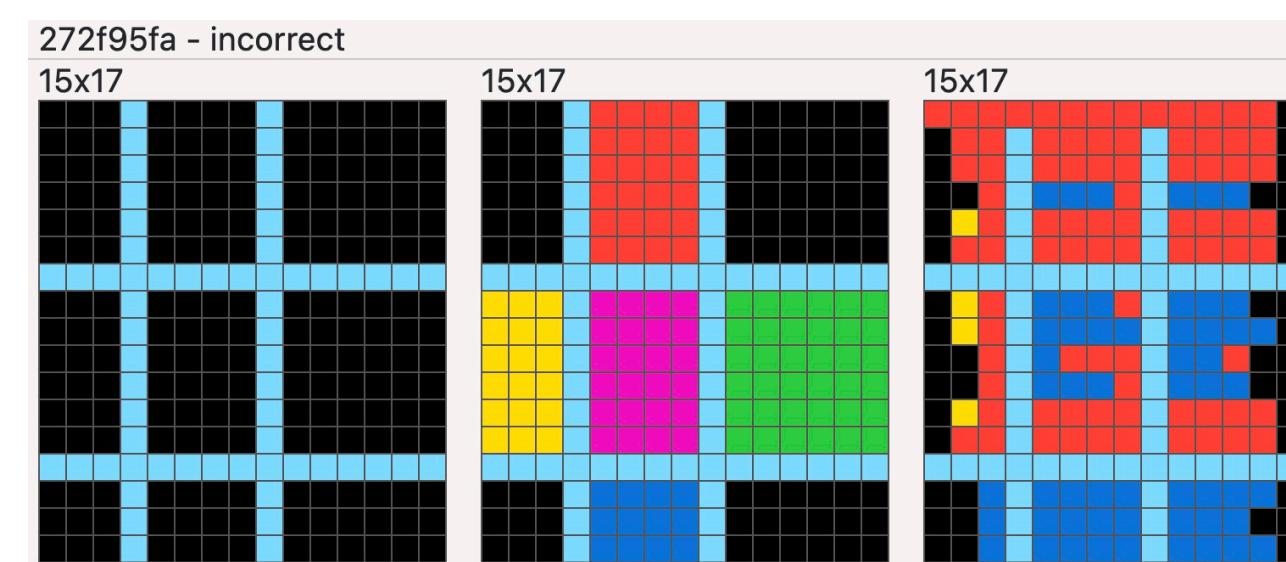
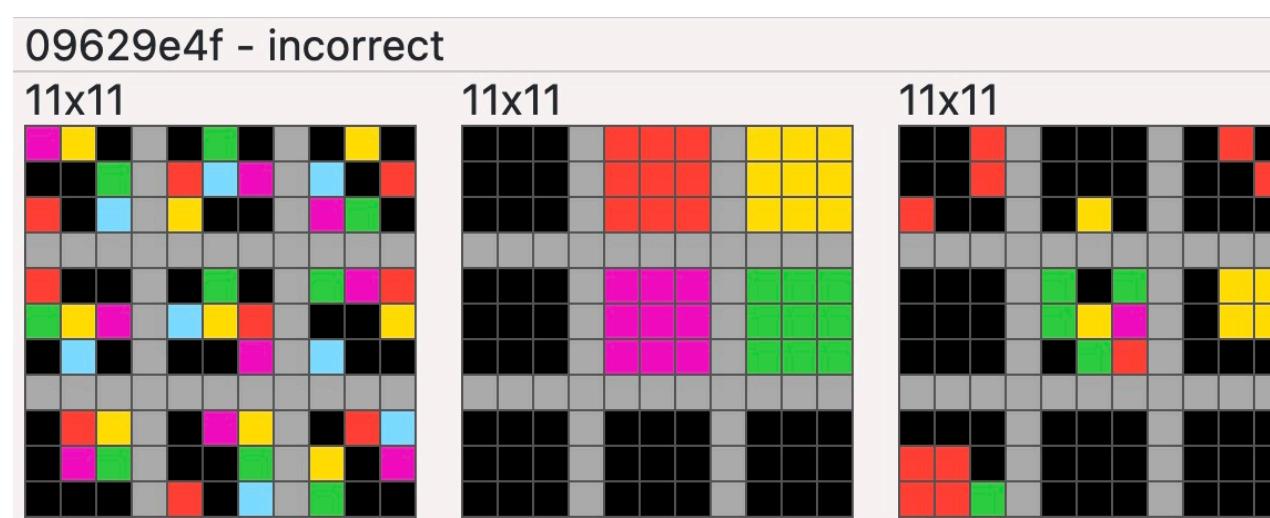
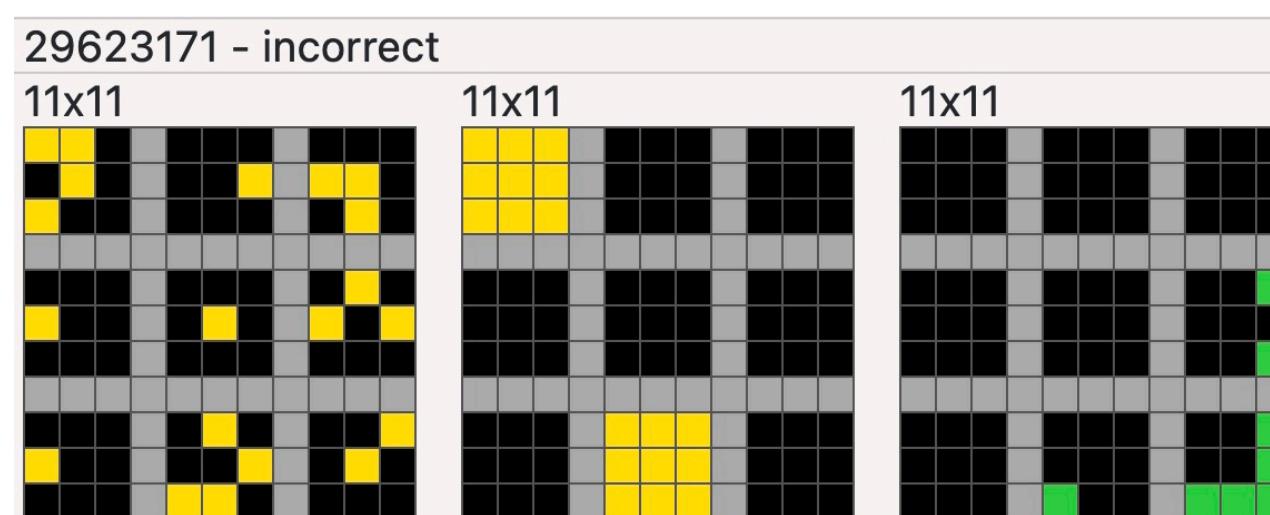
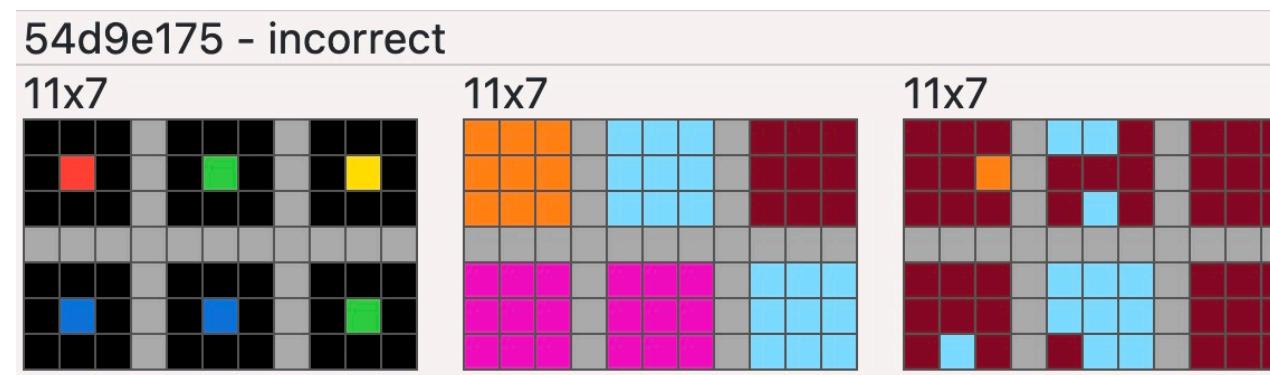
# Must preserve colors different than the background

Reject if these pixels have been modified.



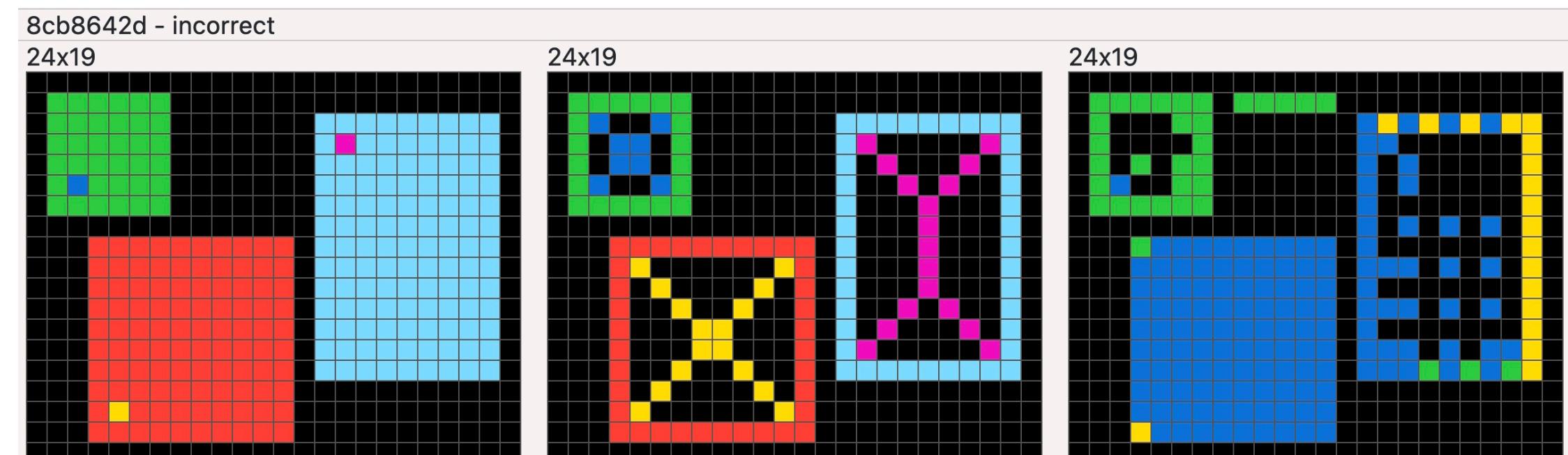
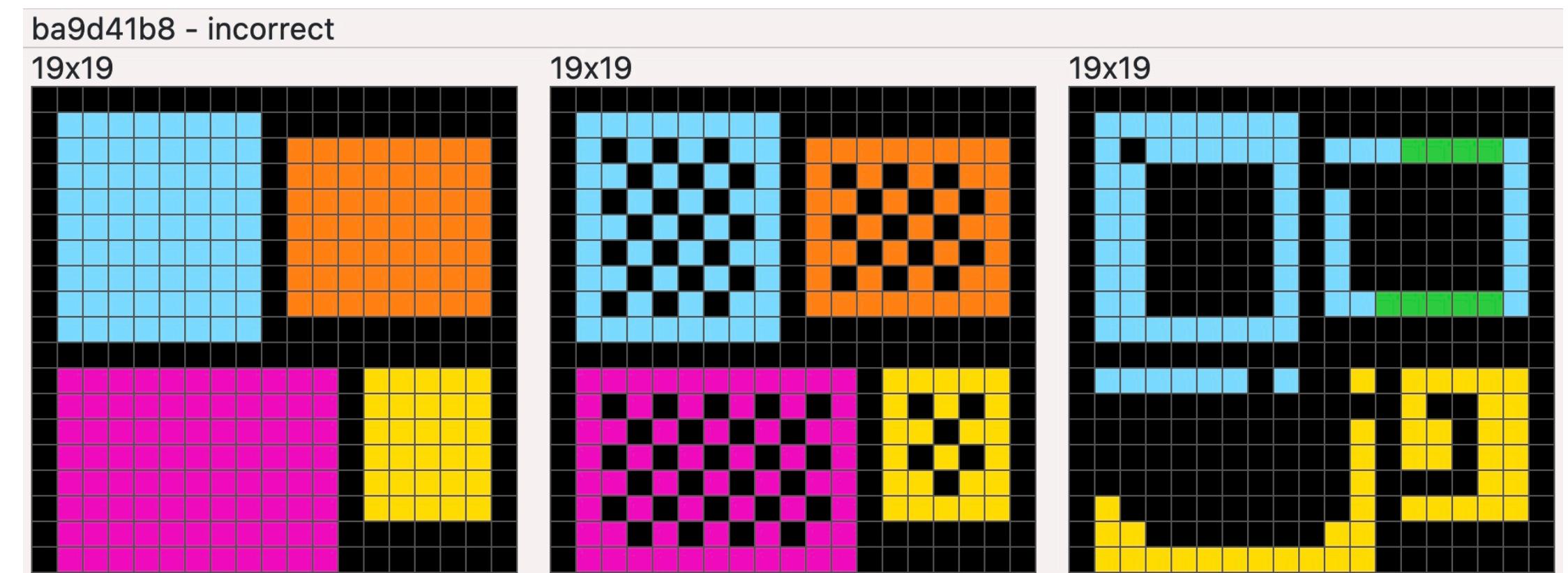
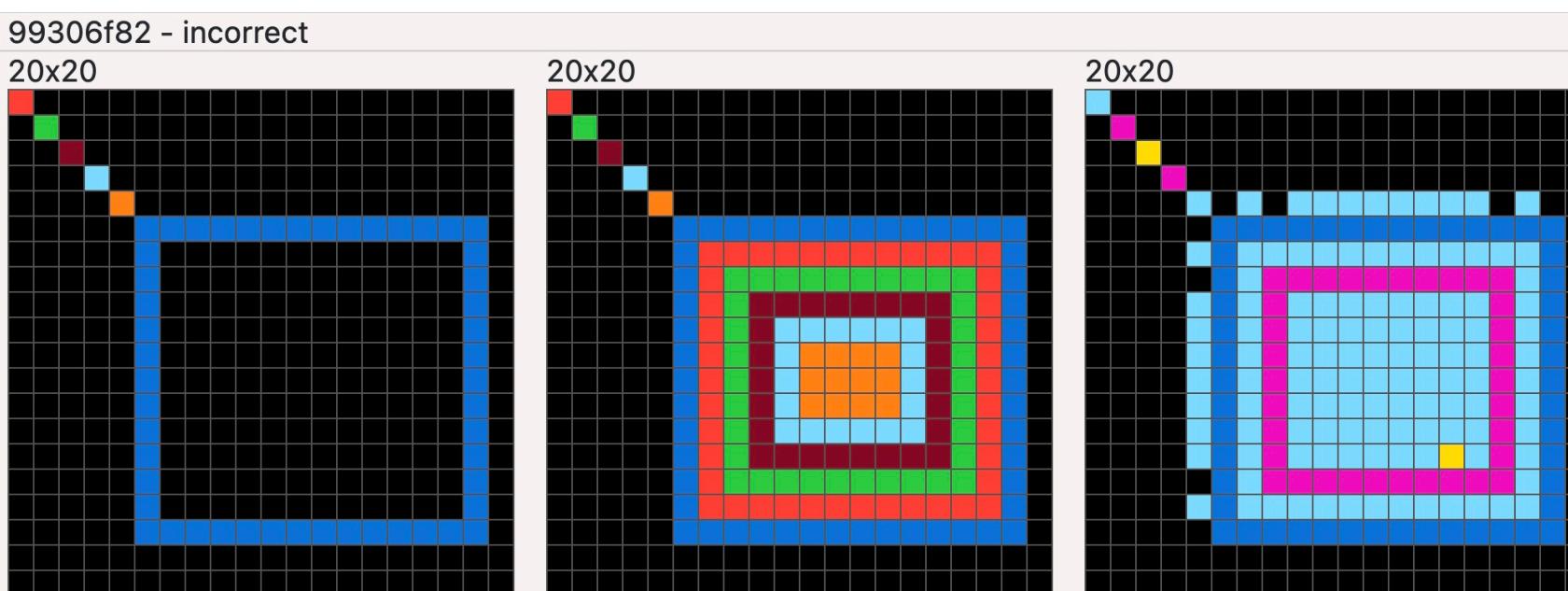
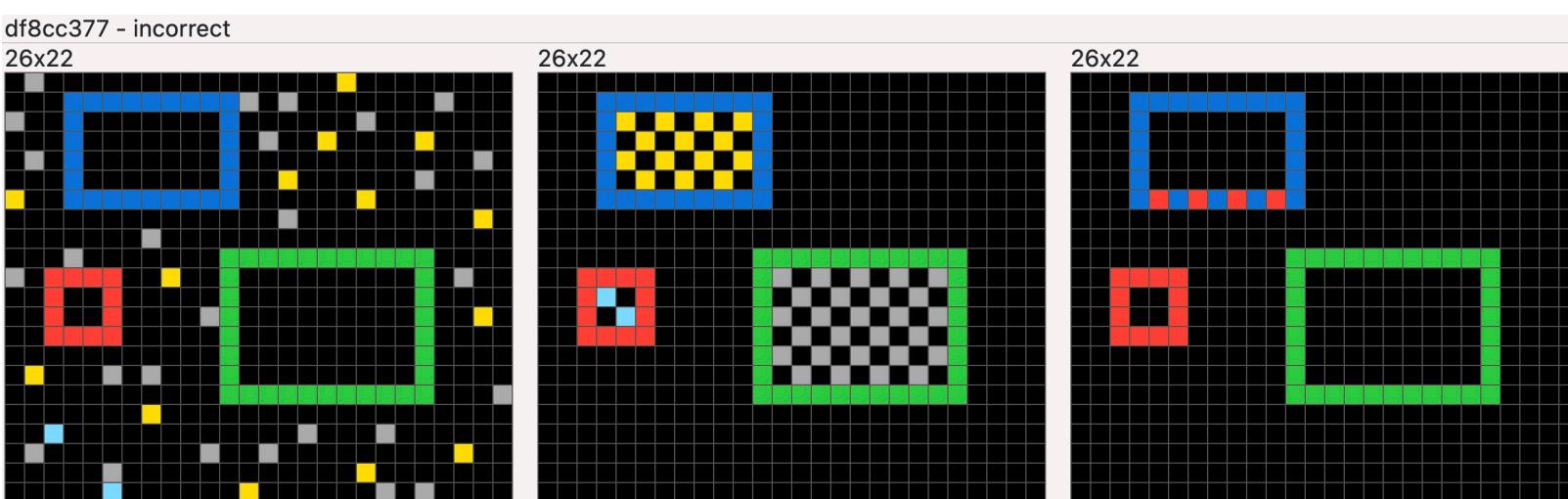
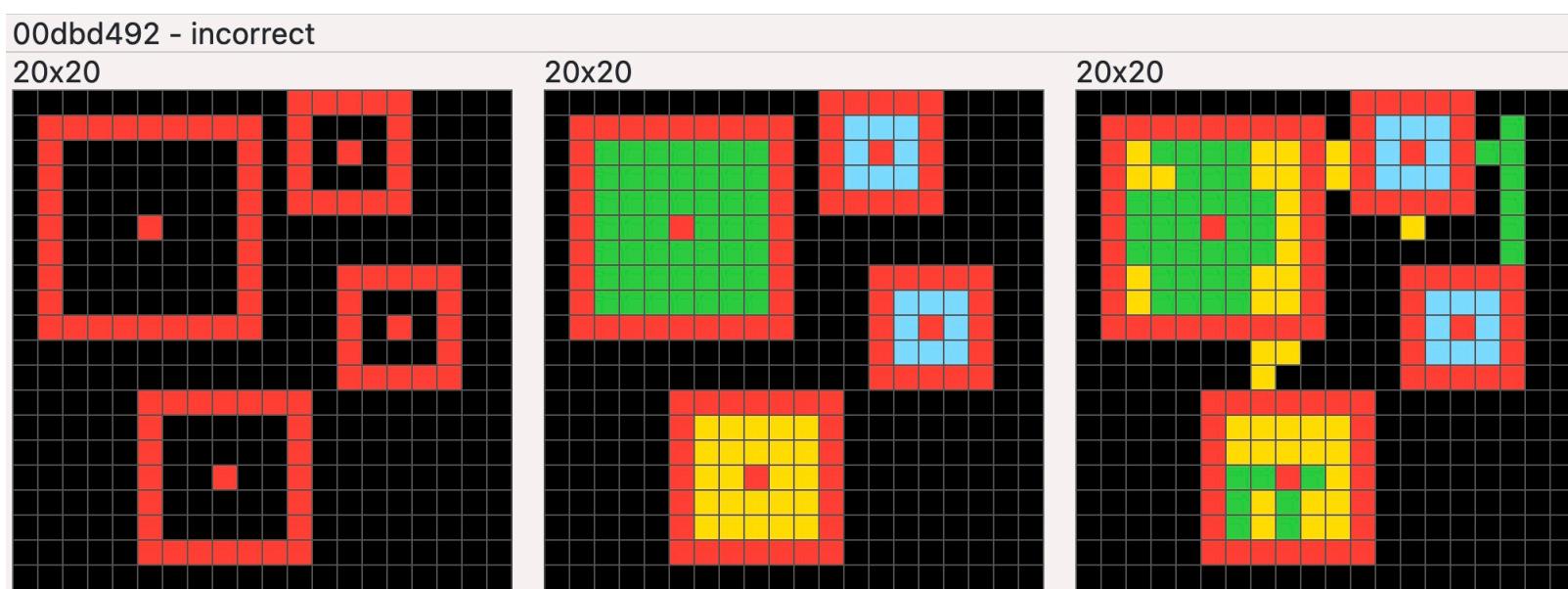
# Grid

Cells are always filled with a single color. Reject shapes that are 1x1. The grid lines are supposed to be preserved. Reject when the grid has been messed up.



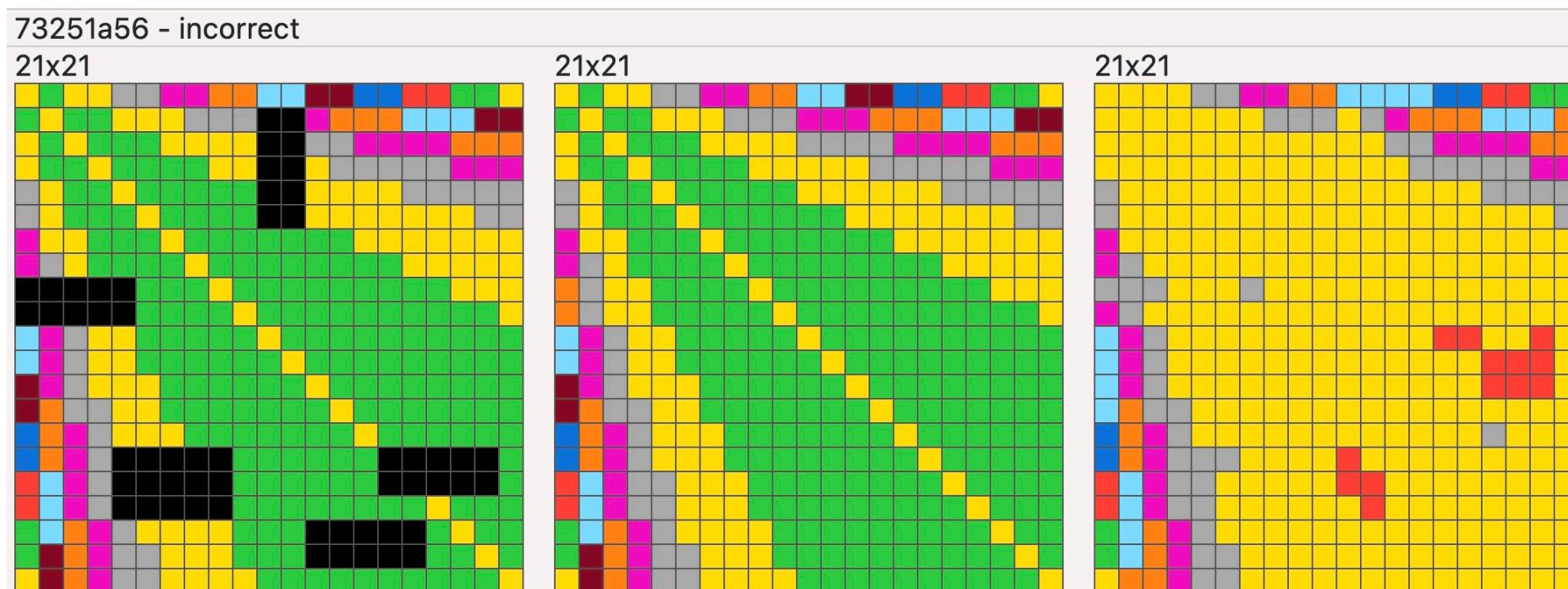
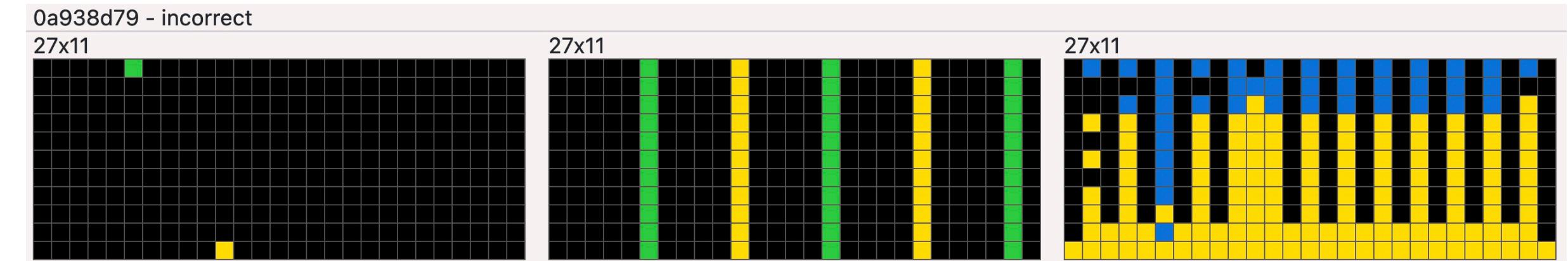
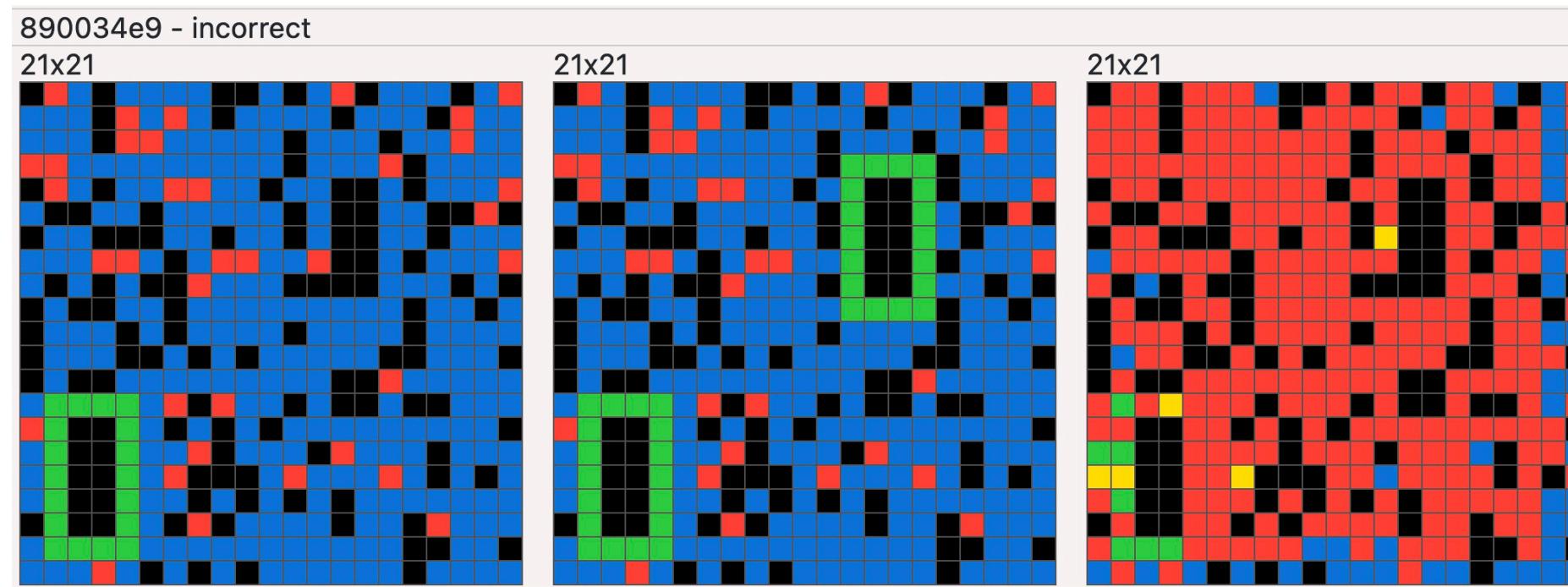
# Expecting changes only inside the object

Reject when detecting changes outside the object. Or no changes at all.



# Preserve most of input image

Only change a few pixels, and leave most of the input image unchanged.

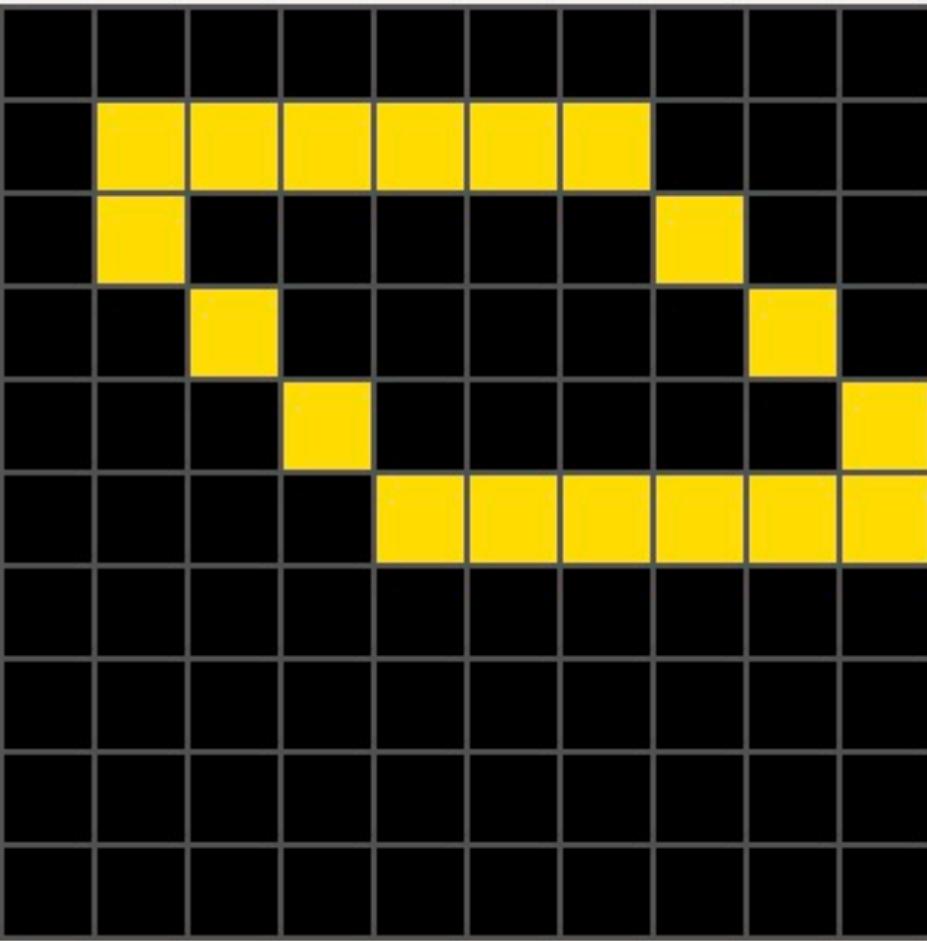


# Number of objects

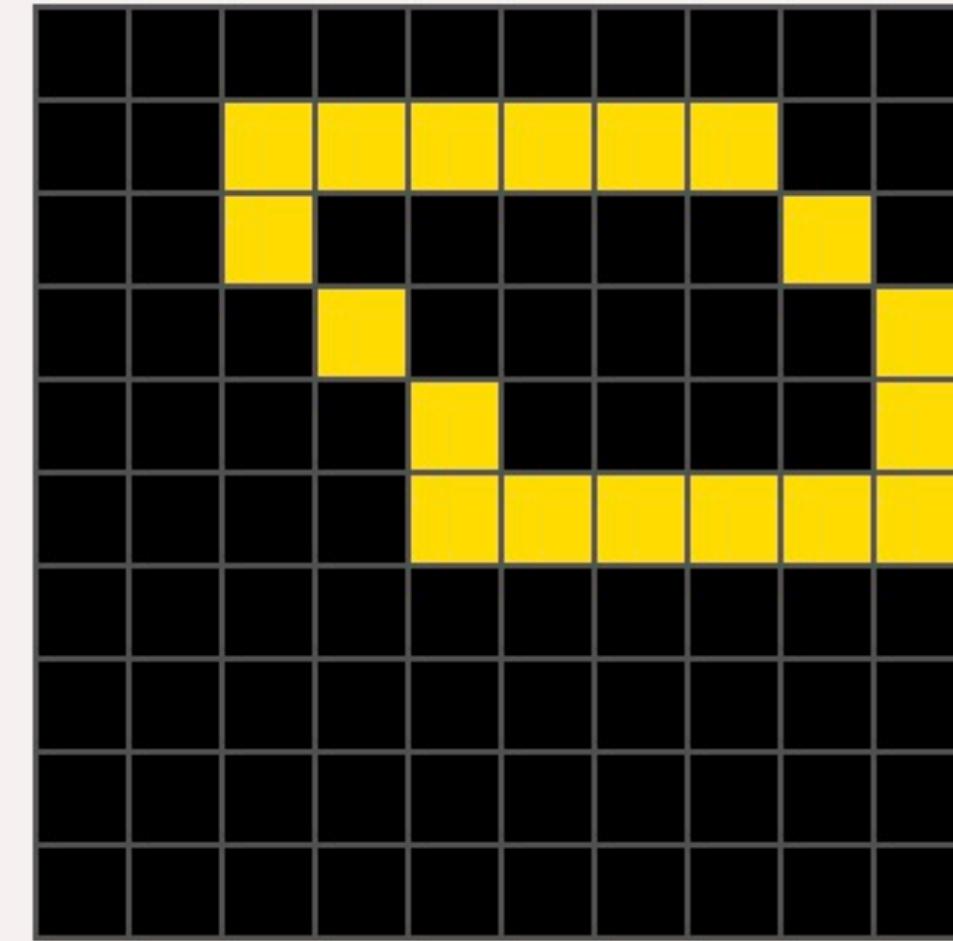
There is supposed to be 1 object, but the output contains multiple objects.

025d127b - incorrect

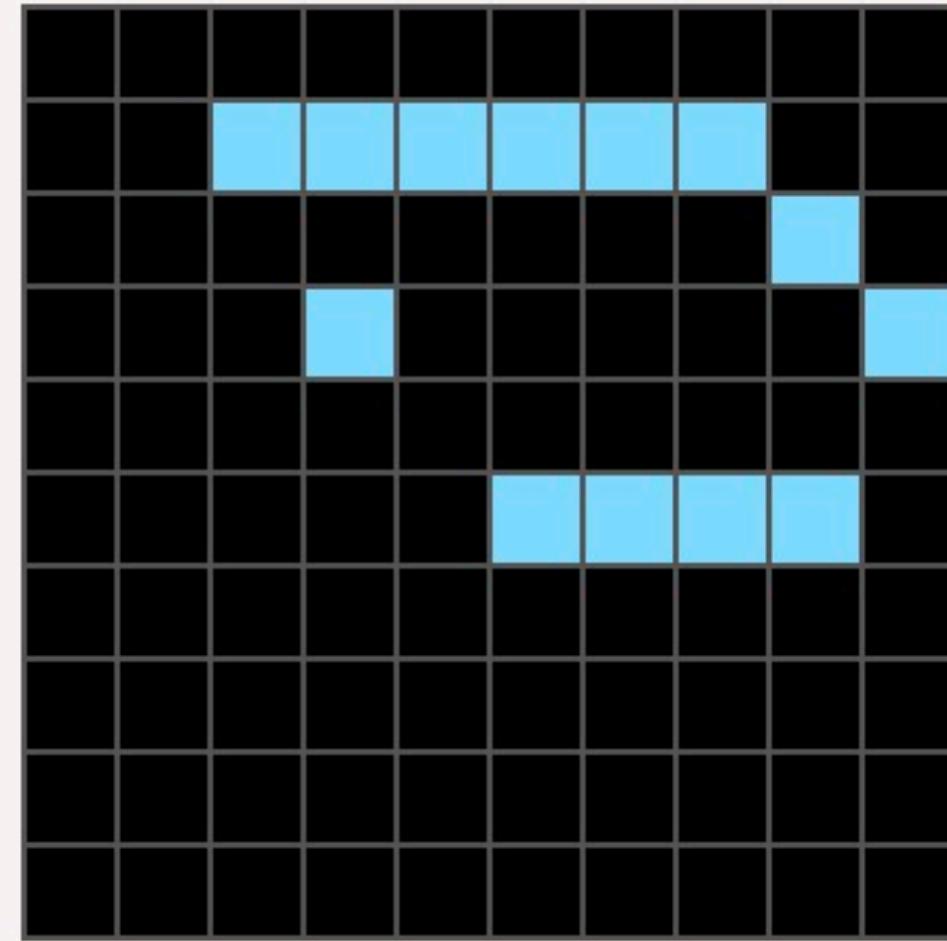
10x10



10x10

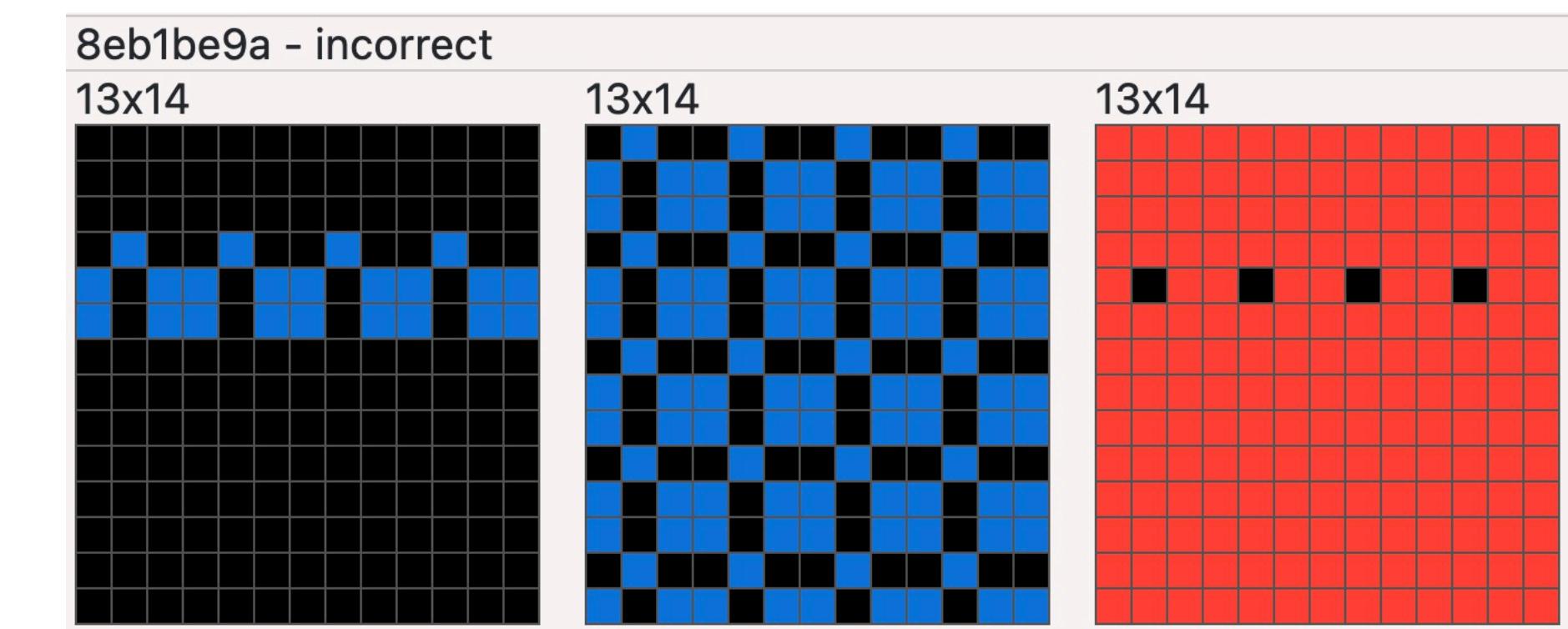
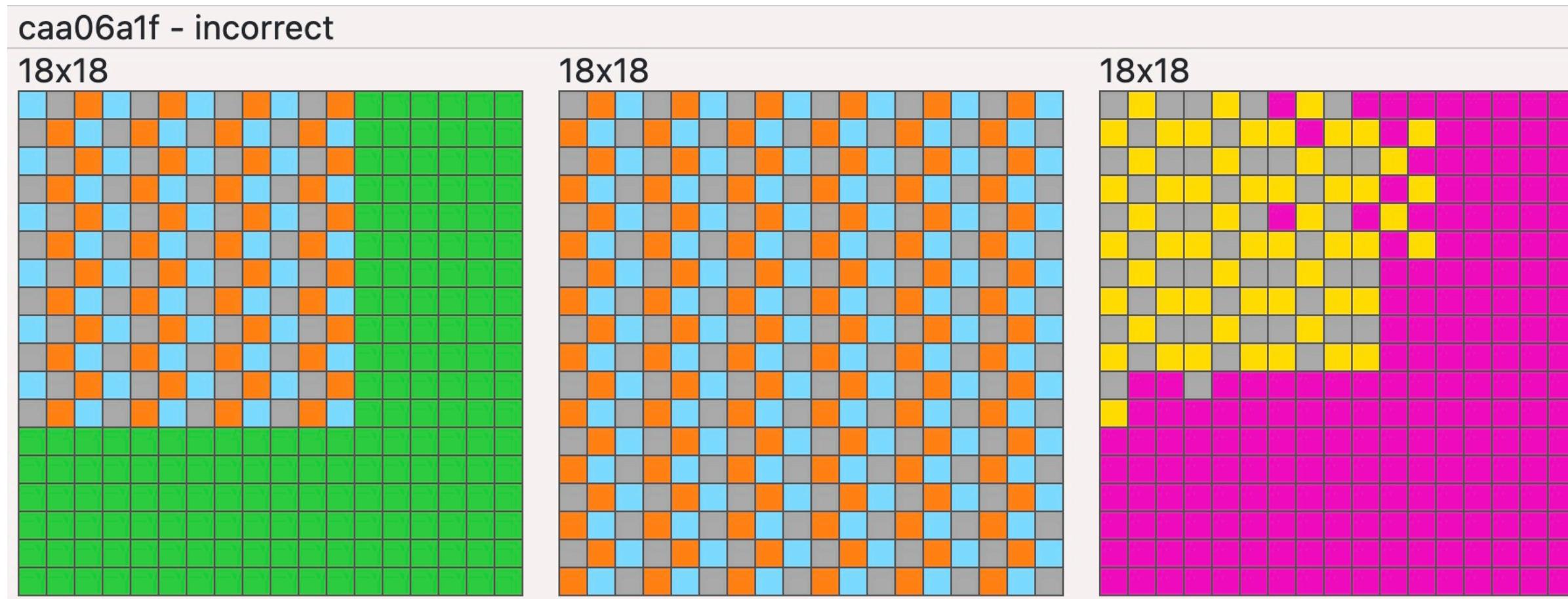


10x10



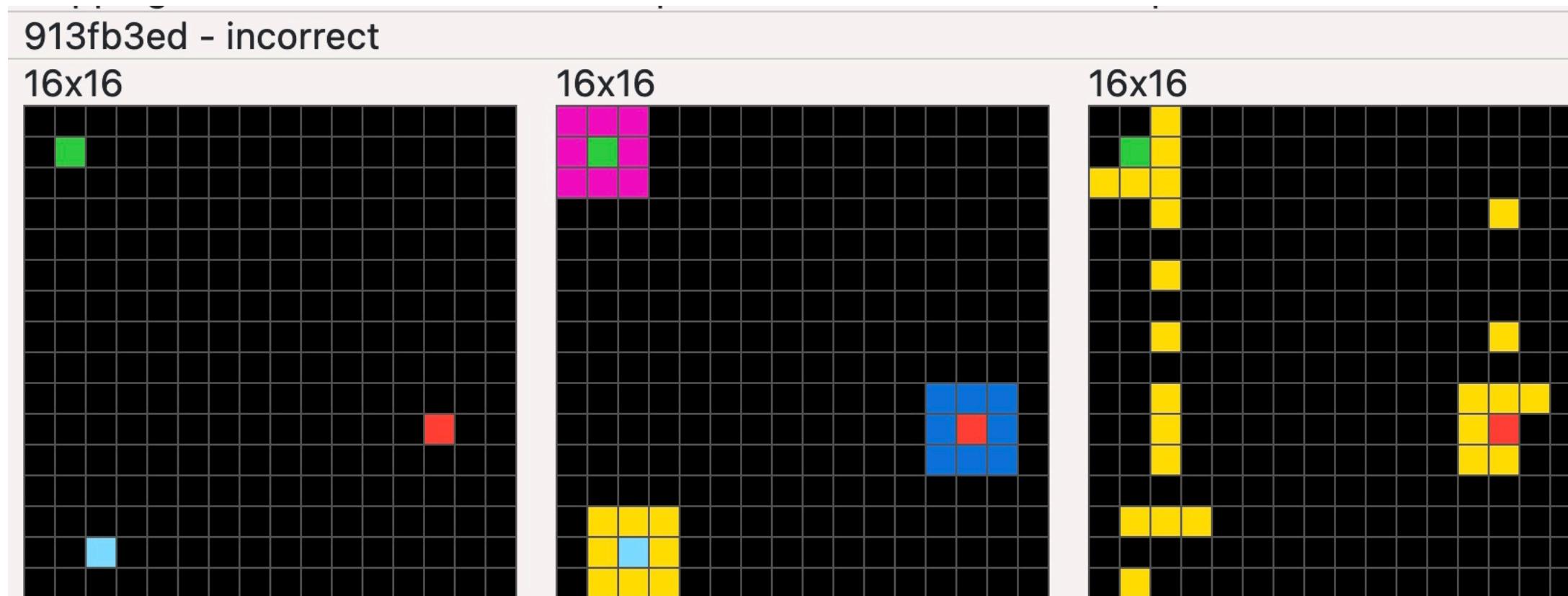
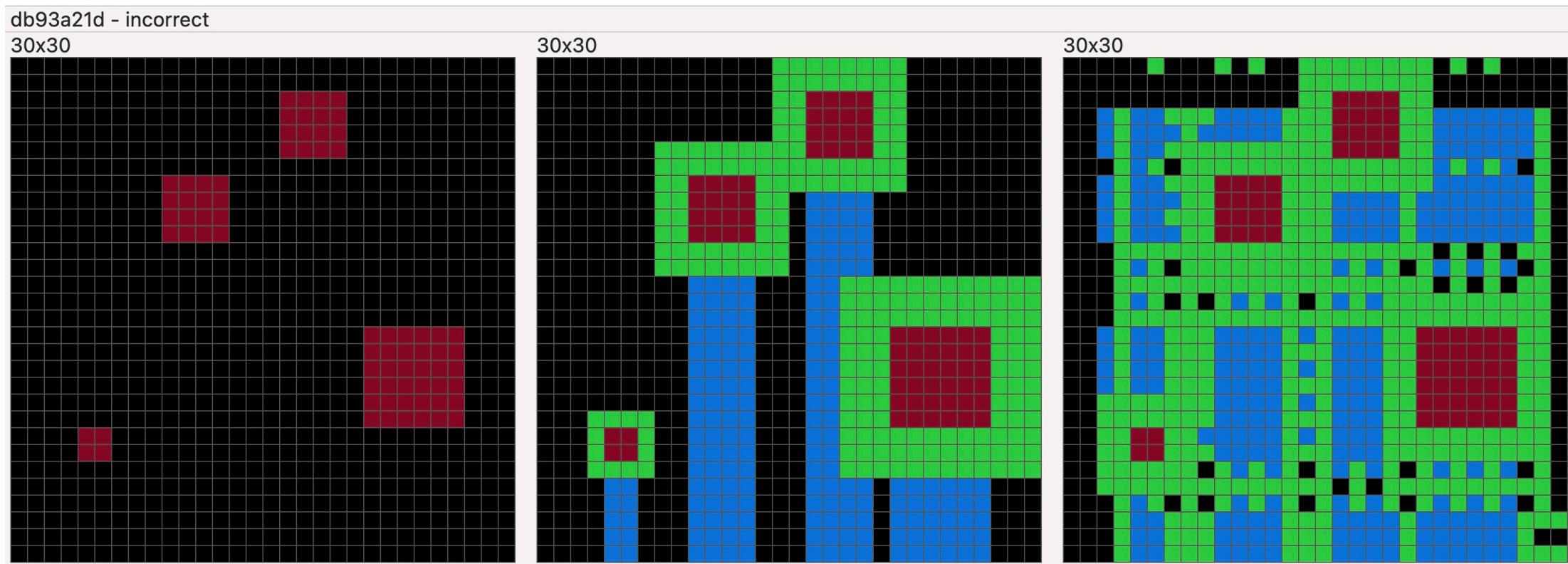
# Biggest mass must stay below N pixels

Reject if the output contains areas that are much bigger than what is expected. Expecting single pixels with connectivity-4, but getting a highly connected area with a huge mass.



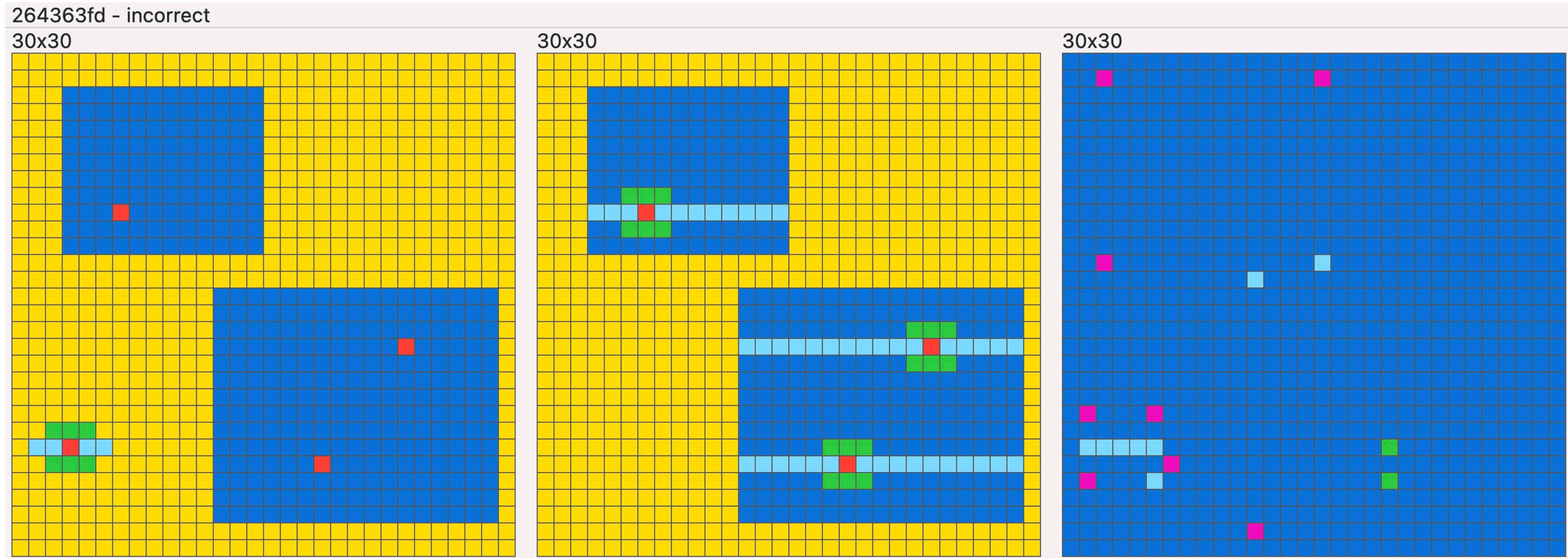
# Single pixel noise

Reject when there are more noise than expected.



# Preserve background color

The yellow background color is supposed to be preserved. A few more pixels are supposed to be slightly more yellow pixels in the output than in the input.



# Preserve number of objects for color

The input and output contains the same number of objects with color.

