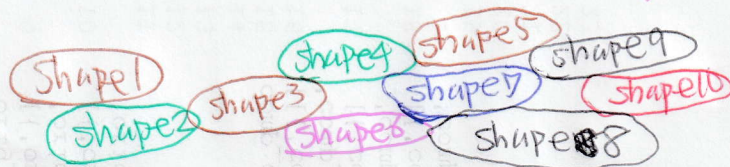


Repeating pattern shape



src_shape \rightarrow shape1
Next src_shape \rightarrow shape2
src_neighbors \rightarrow shape2
shape1 find neighbors \Rightarrow shape2
No more src_neighbors.
src_neighbor \rightarrow shape2
nested_neighbors \rightarrow shape1, shape3
nested neighbors are exhausted.

shape1 is src_shape, skip

See if shape3's color is the same as shape1. If so, shape1, shape2, shape3 are repeating pattern shape.

shape3 find neighbors \Rightarrow shape2, shape4, shape6
shape2 is ~~src~~ src_neighbor. skip
Once shape3 is done

See if shape4 has any of the colors of repeating pattern shape.
Yes. Put shape4 in repeating pattern shape.

shape4 find neighbors \Rightarrow shape3, shape5, shape7.
shape3 is already done. skip
shape7 is once done

See if shape5 has any of the colors of repeating pattern shape. Yes. Put shape5 in repeating pattern shape.

shape5 find neighbors \Rightarrow ~~shape3~~, shape4, shape9, shape7.
shape4 is already done. skip
done — done — done

See if shape9 has any of the repeating shape's color.
No. skip

See if shape7 has any of the repeating shape's color.
No. skip

~~go back~~ Next neighbor