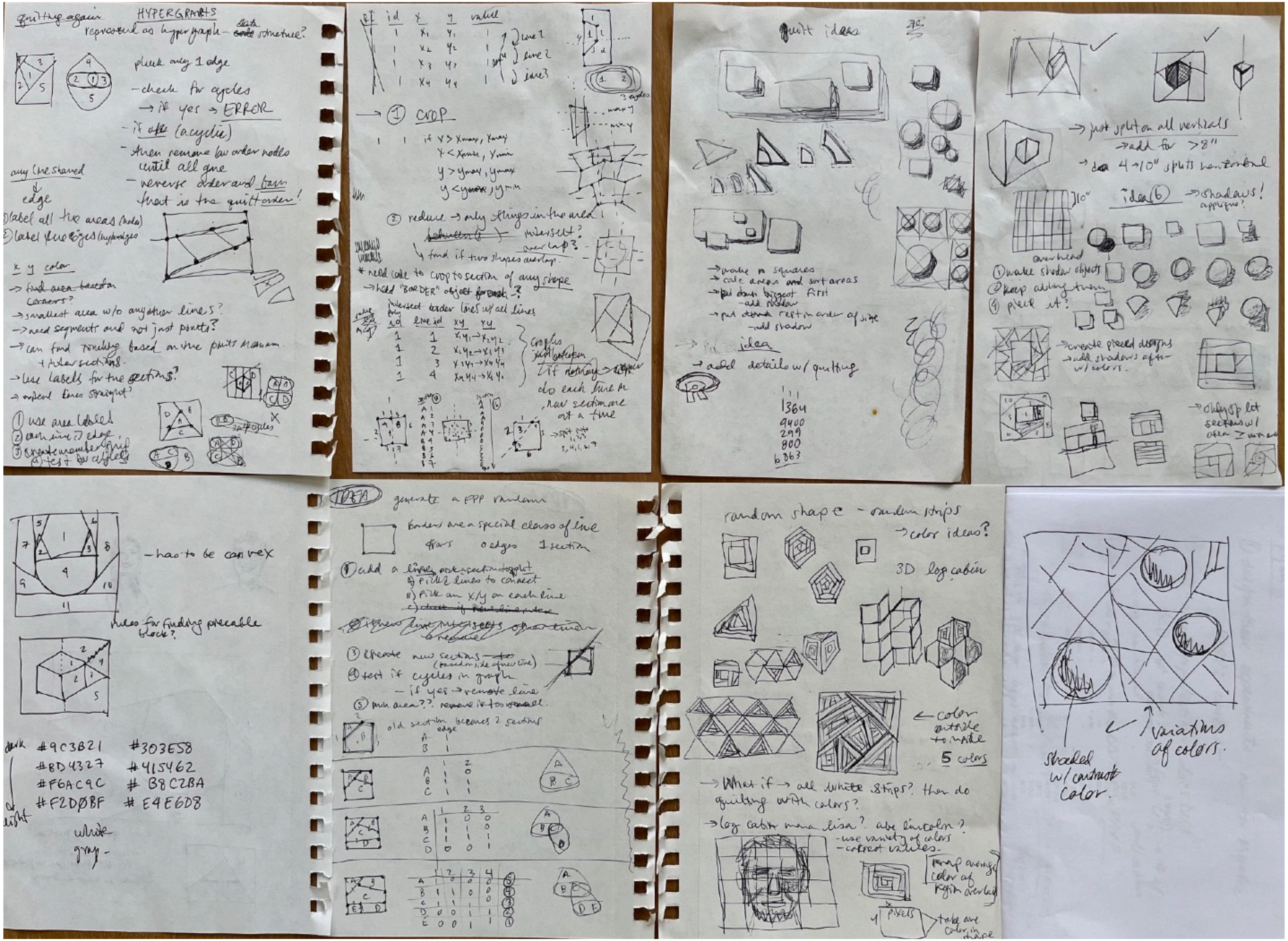
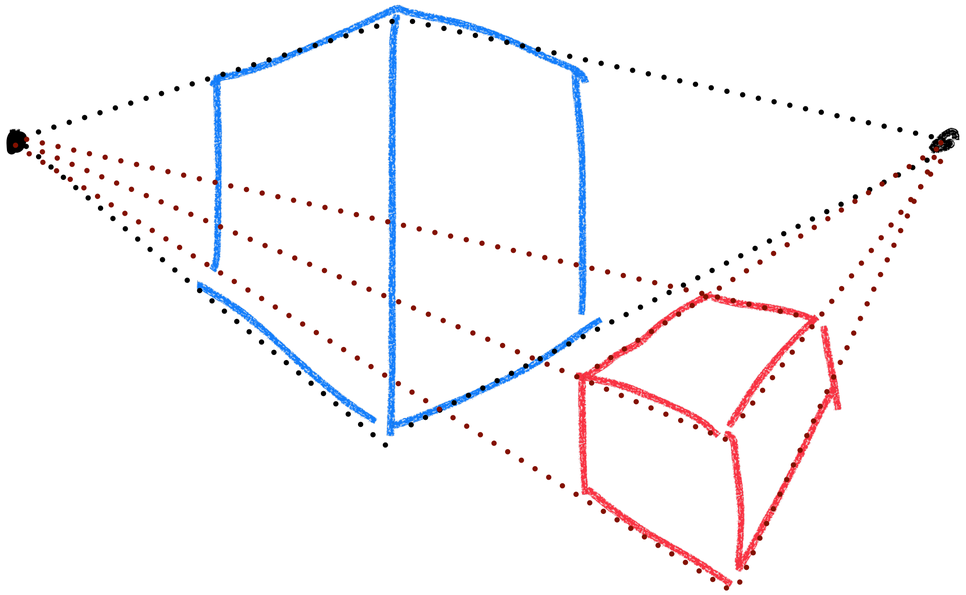


quilting again
HYPERGRAPHS
represented as hyper graph - data structure?
pluck any 1 edge
- check for cycles
→ if yes → ERROR
- if acyclic
- then remove low order nodes until all gone
- reverse order and turn that is the quilt order!
any line shared
edge
1) label all the areas (nodes)
2) label the edges (hyperedges)
x y color
→ smallest area w/o any other lines?
→ need segments and not just points?
→ use labels for the sections?
1) use area labels
2) each line = edge
4) test for cycles
id x y value
1) CROP
2) reduce → only things in the area
intersect?
overlap?
find if two shapes overlap.
* need code to crop to section of any shape
→ need "BORDER" object
intersect border lines w/ all lines
id line id xy xy
graphs
do each line in new section one at a time
quilt ideas
→ make n squares
→ calc areas and sort areas
→ put down biggest first
- add shadow
→ put rest in order of size
- add shadow
idea
→ add details w/ quilting
1364
9400
299
800
6863
→ just split on all verticals
→ add for >8"
10"
idea 6
→ shadows!
applique?
overhead
1) make shadow objects
2) keep adding them
3) piece it?
→ create pieced designs
→ add shadows after w/ colors.
- has to be convex
rules for finding pieceable block?
dark
#9C3B21
#BD4327
#F6AC9C
#F2D0BF
#303E58
#415462
#B8C2BA
#E4E6D8
light
white
gray
IDEA
generate a FPP random
border are a special class of line
4 vars 0 edges 1 section
1) add a line
A) pick 2 lines to connect
B) pick an x/y on each line
3) create new sections
4) test if cycles in graph
- if yes → remove line
5) min area?
old section becomes 2 sections
random shape - random strips
→ color ideas?
3D log cabin
← color outside to make
5 colors
→ What if → all white strips? then do quilting with colors?
→ log cabin mona lisa? abe lincoln?
- use variety of colors
- correct values.
pixels
variations of colors.
shaded w/ contrast color.

Fuse two domains



```
poly %>%
  ggplot() +
  geom_polygon(aes(x = x, y = y,
                   group = id, fill = value),
                   alpha = 1) +
  theme_void() +
  theme(legend.position = "none")
```