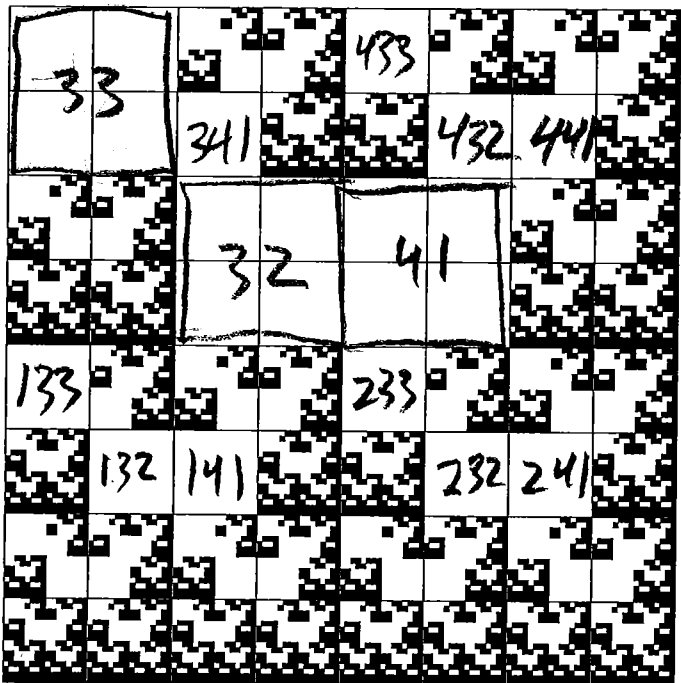


Sept 22 Notes

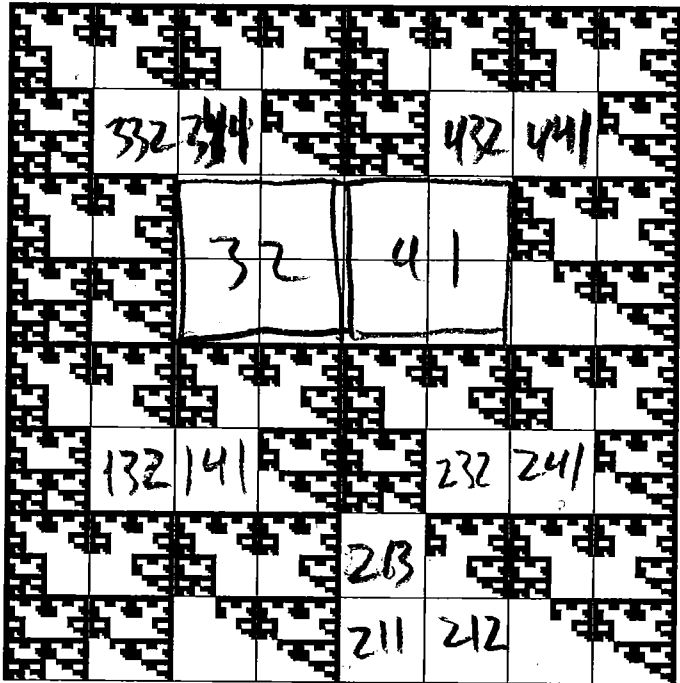


story?

empty length-2
addresses are
32, 33, 41

Empty length-3
addresses are
133, 132, 141, 233, 232,
241, 341, 433, 432,
441

If every empty length 3 address contains an empty length 2 address, we say the fractal is determined by empty length 2 addresses.



Empty length 2:

32, 41

Empty length 3:

132, 141

232, 241

(213), (211), (212)

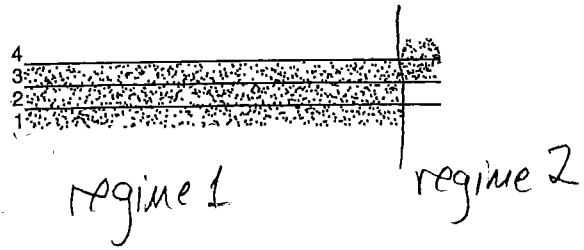
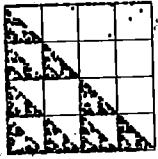
332, 341

432, 441

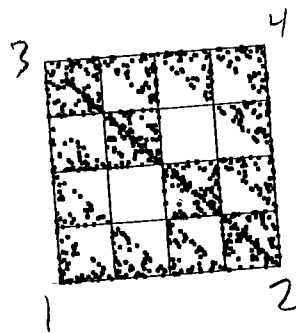
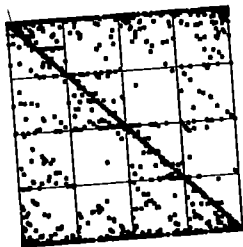
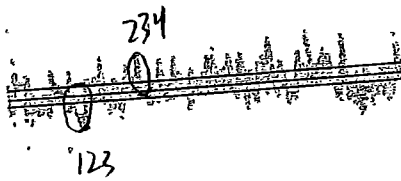
DO NOT CONTAIN EMPTY
LENGTH-2 ADDRESSES

CO₂ levels

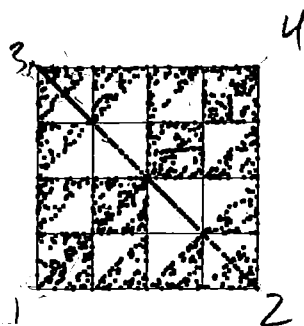
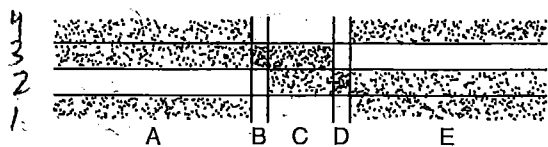
Greenland ice core
data



cardiac data
intervals between heartbeats



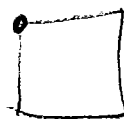
equal weight
bins



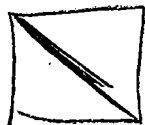
A: bins 1, 3, 4 are occupied $\rightarrow$ gasket with corners 1, 3, 4



B: bin 3 $\rightarrow$ move to corner 3



C: bins 2 & 3 $\rightarrow$ points along the line between corners 2 & 3



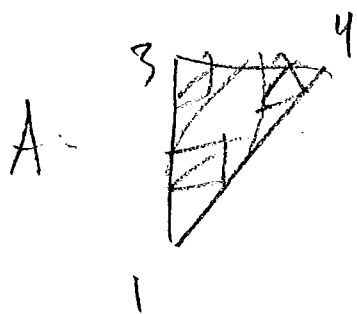
D: bin 2 $\rightarrow$ move to corner 2



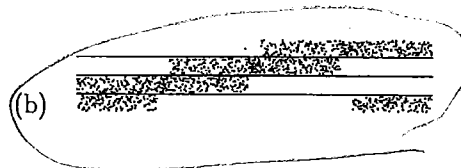
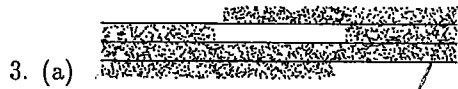
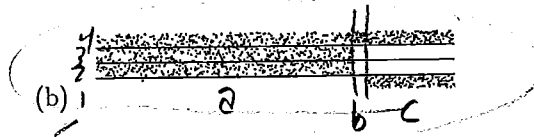
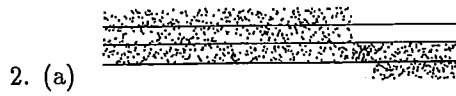
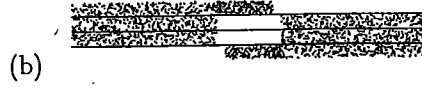
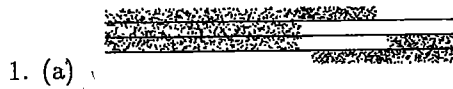
E: bins 1, 2, & 4 $\rightarrow$ gasket with corners 1, 2, 4



B and D are transitional regions without B



Here, then go to regime C



Try Thrs

a 234 gasket

b: 4 → corner 4

c: 1-4 line

