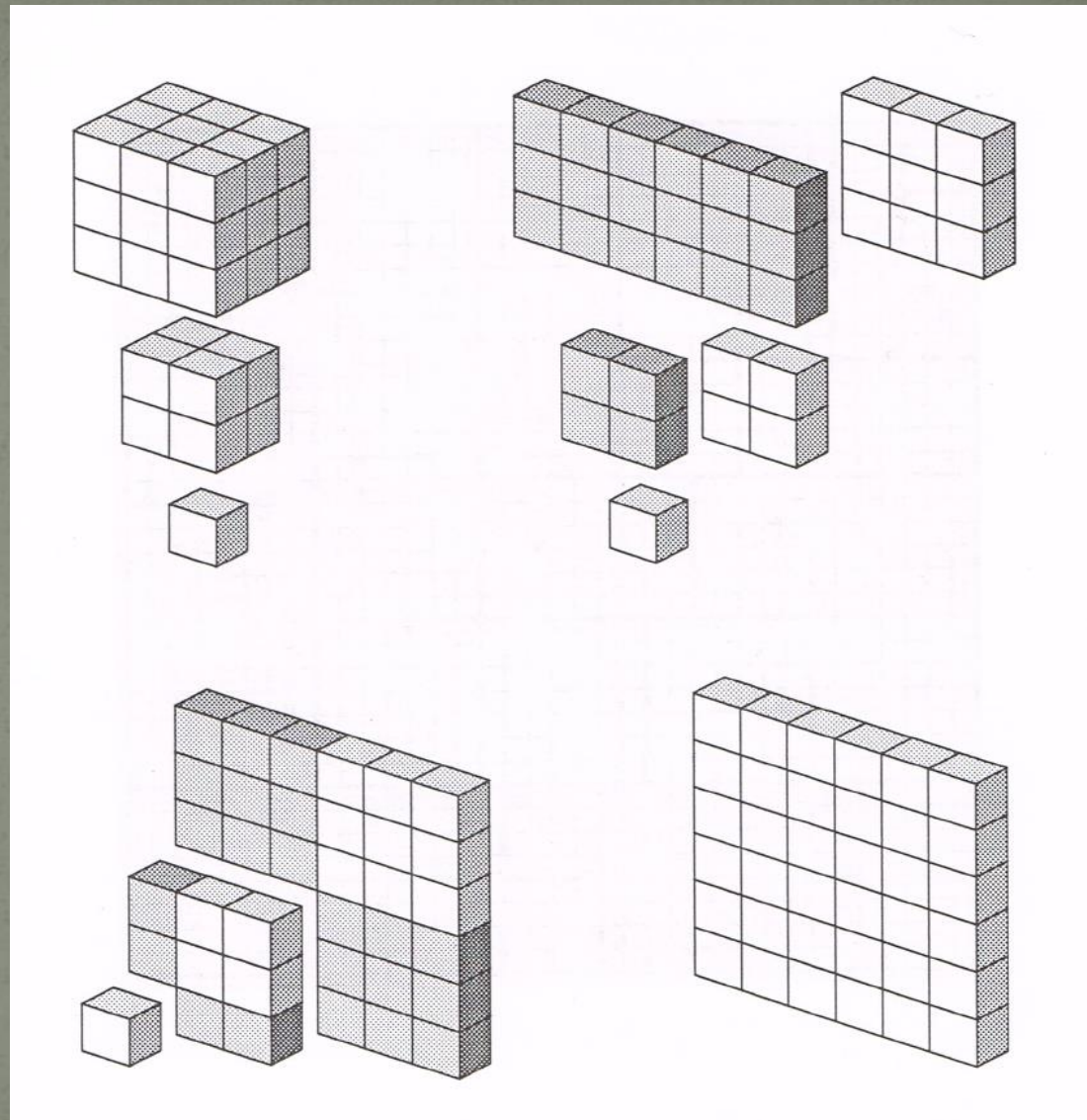


POTD...!

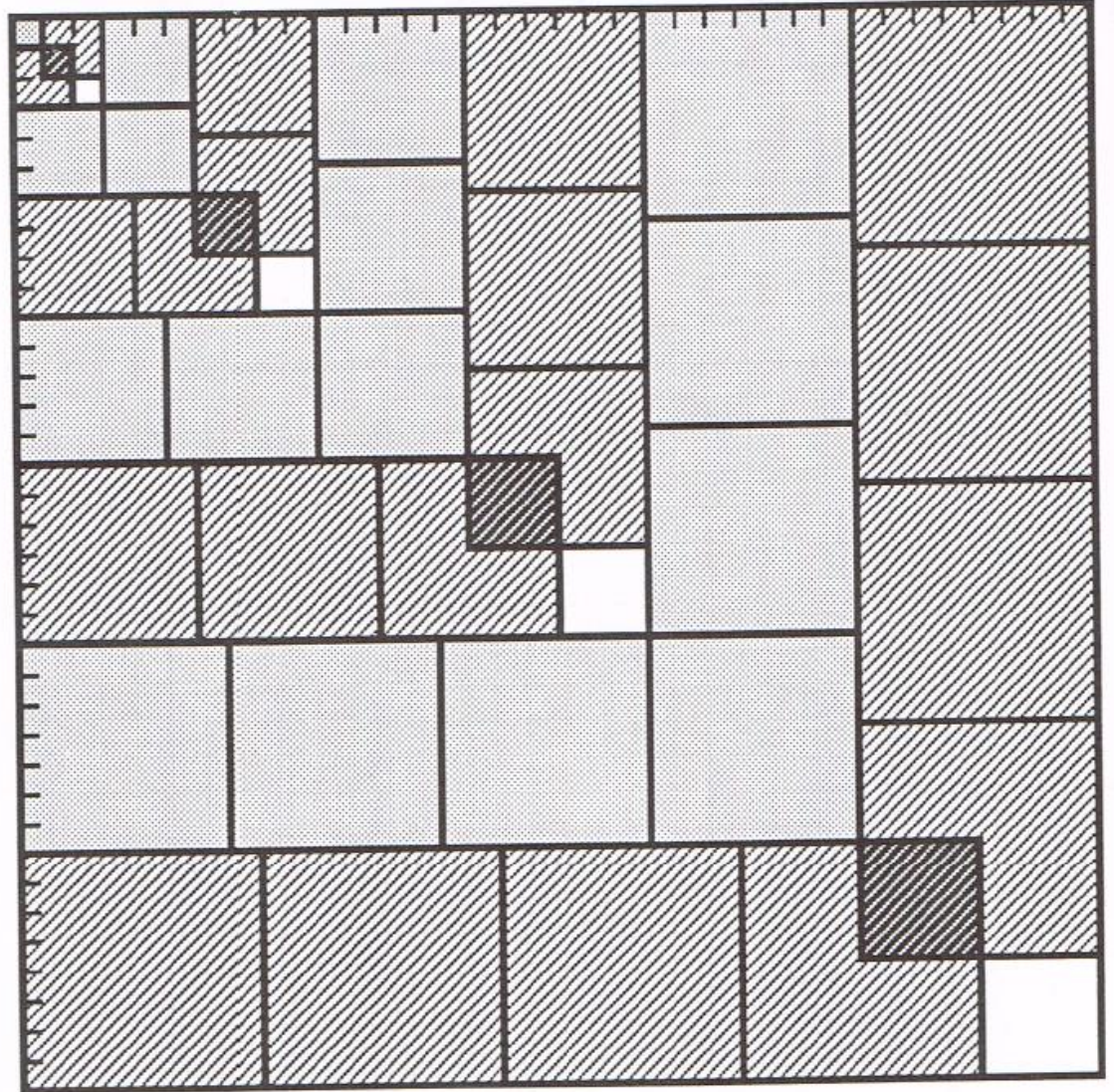
***What  
do you  
make of  
this?!***





# POTD...!

***How  
about  
this?!***





# *The Honeycomb Puzzle!*

*How many ways can you get from here to there?*

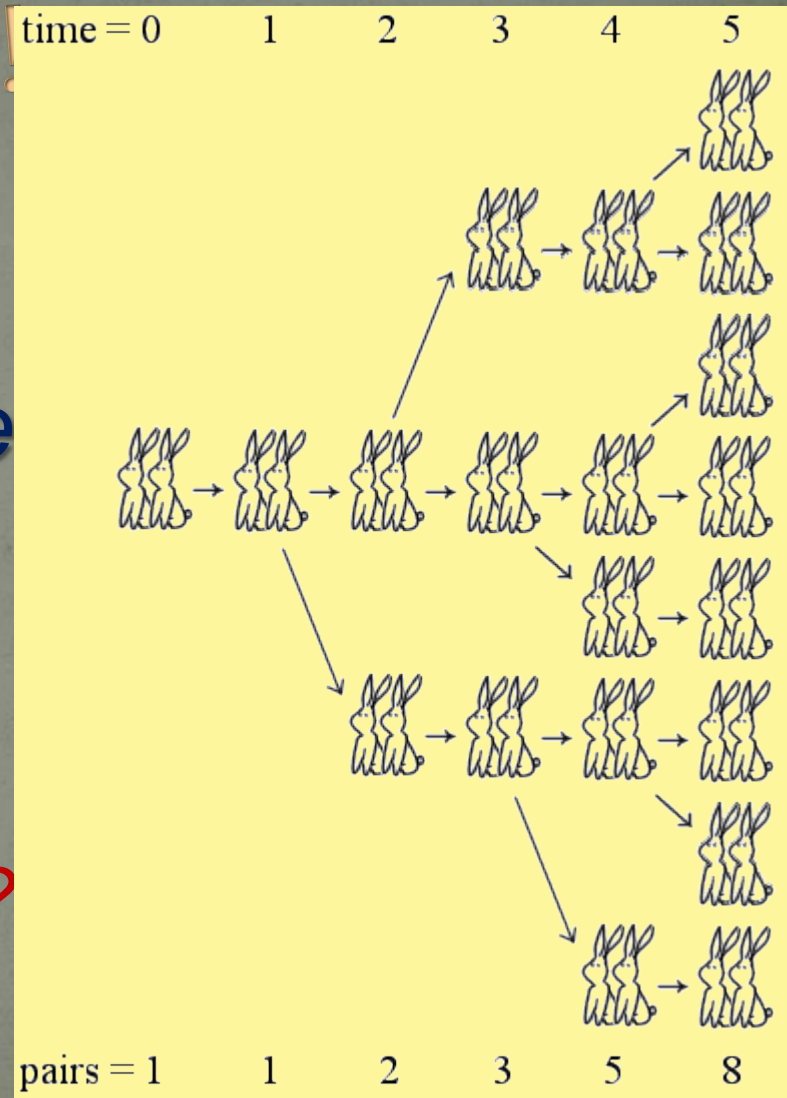


an old favorite!

You probably all  
(and love

1 1 2 3

(quick history question –  
where did it come from?  
what context?)







$10/89 \dots !$

***if you calculate it out...***

0.112359550561798...

# Sequences – what's next?!

Here's a simple one...

1      2      4      8      16...

*What's next?*

Answer = that's a pretty ~~stupid~~ silly question!

*It could be anything you'd like!*

*...Moser's Circle Problem!*

[Online Encyclopedia of Sequences](#)



# *Multidimensional Fence Building!*

*Consider a fence in  
two dimensional space...*

*it's just a straight line*

*So now what would a fence look  
like in one dimensional space?*

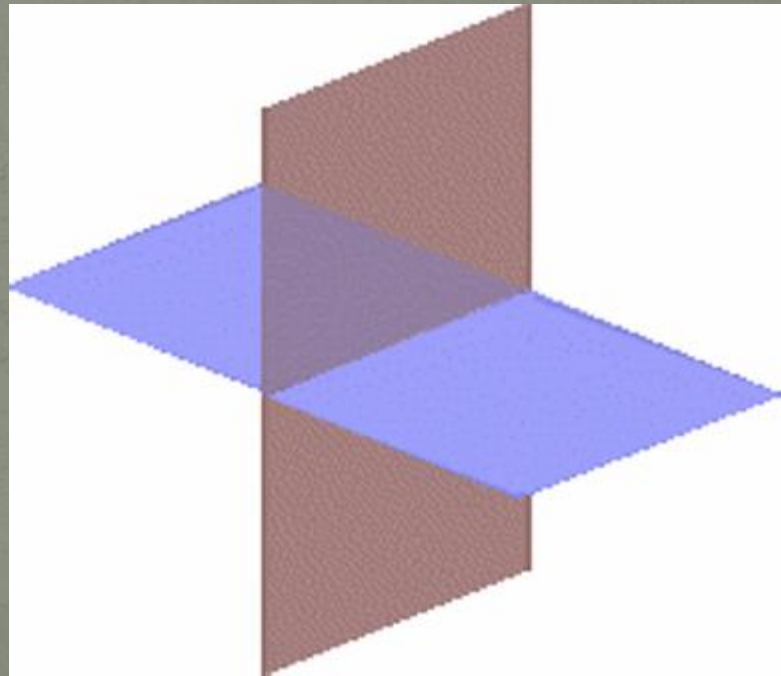
*it's just a... ?*



*Now consider the fence problem in  
three dimensional space...*

*the fences are planes...*

*One plane splits  
space into two  
zones and two  
fences (planes)  
split space into...*



*What about three fences (three planes)?*

*How many possible arrangements  
are there?...*

