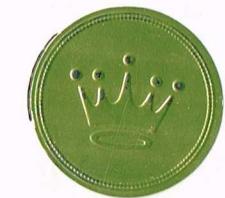
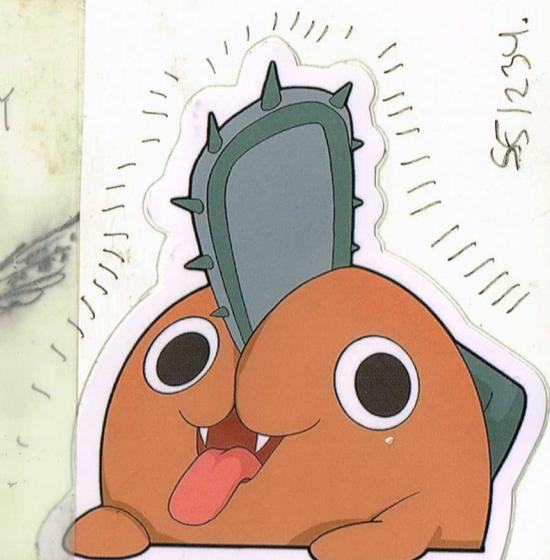
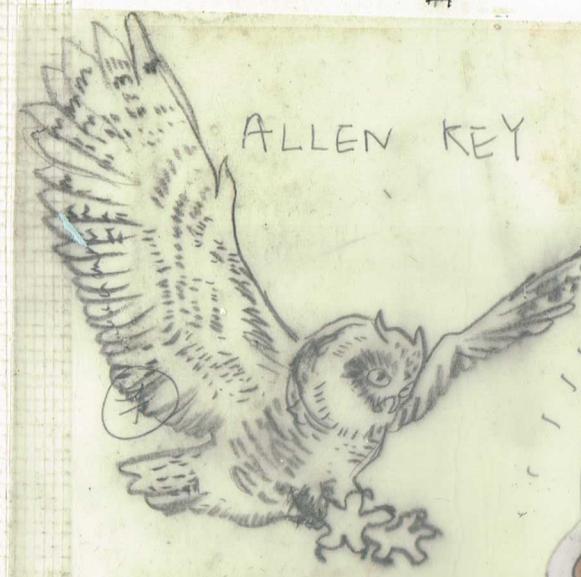
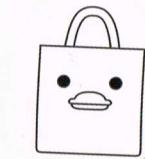
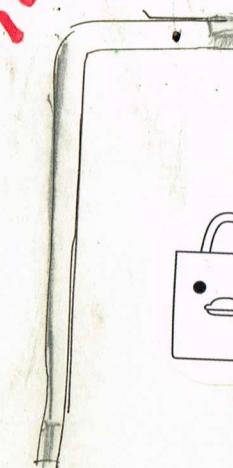


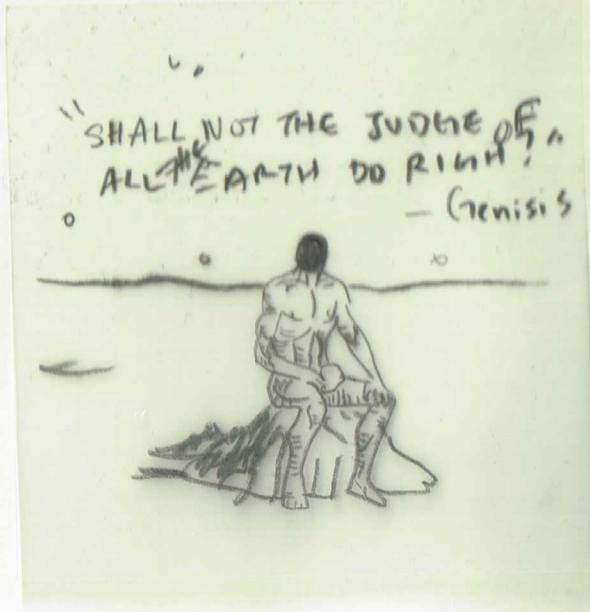
COMPRESSION

FEB 2024 - AUG
2024



851234.





PICK SOMETHING AND GO THROUGH WITH IT.

I AM PICKING:

- Machine learning
- writing about science
- teaching & learning.
- writing.
- Thinking about why

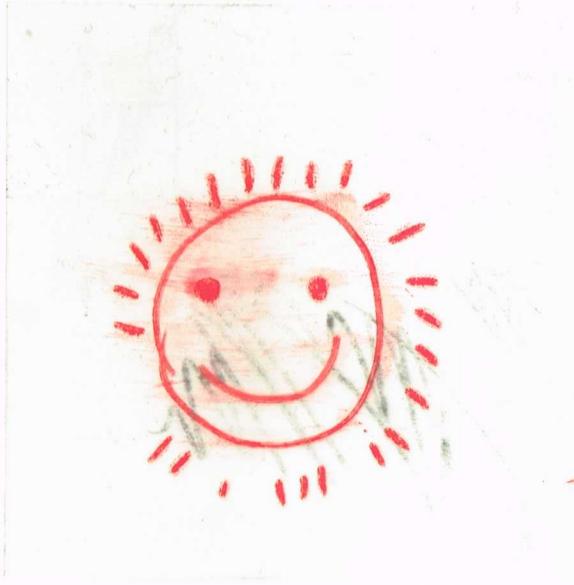
VOLUME	1
START Feb 2024	FINISH Aug 2024
FROM THE LIBRARY OF	

MD NOTEBOOK

MADE IN JAPAN

midori

O
Testing



What I wanna do:

1. Mastermind
 - ↳ Code it
 - ↳ review the code
 - ↳ combinatorically calculate the number of solutions possible
 - ↳ show its NP-complete
2. NAND to TETRIS
- 3.

12

sund)



13

math as a model

~~start~~

Shannon.

to read

- Unabomber Manifesto
- Shannons answer.

1. ~~fire~~ rods

2. Relieve noise

3. Amebae

4. ARM

- one. people like planes → military grade planes

- what if we started a company that

made military grade planes

It's + portmanteau.

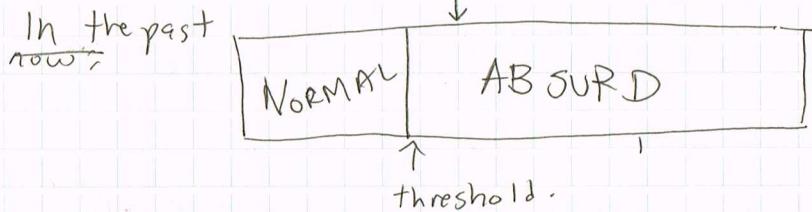
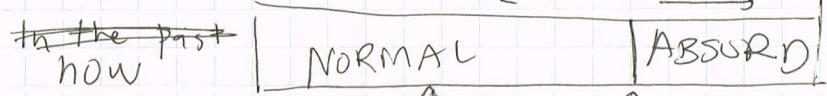
a.

ABSURDITY

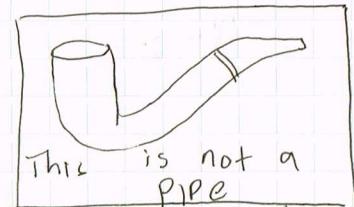
"the quality or state of being ridiculous or wildly unreasonable."

when people have conversations, the next thing they say has a percentage of congruency with the previous statement. That level of congruency has a threshold to absurdity. On that number basis the quality of how good the conversation is.

I think that as generations go on the ~~level~~ ^{threshold} of absurdity ~~decreases~~ increases. ~~normal~~ [→] ~~not normal~~ (absurd)



example: tattoos of work are normal now but before they weren't



This is not a PIPE
René Magritte

← absurdist painting

In the past, I bet it was pretty absurd to not follow the rules. But the rules themselves do the next generation are pretty absurd. Then they have to find new rules? What about the ones that were there to begin with? What about the rules at place / not

The memes/videos (short form) I see these days are all absurd. ex. I watched a dude strum a guitar with a Dorito chip instead of a pick. "When you take Walmart diphenydranous and turn a scary ghost pops out. Having the french etc.

I think I value the absurdity, But thinking about it after a bump I realize I don't need to. Because everyone conforms to the rules but we only pay attention when people do not conform to the rules and knowing me, attention is only what I crave. (physiological response)

I thought it was absurd how people did things or choose to do things but I was wrong its because I was super aware and in a state of constant stress as a child.

At the end thought I know I value:

STORY

LARGE AMOUNTS OF DATA
ANALYSIS

INFORMATION

ALGORITHMS

PEOPLE

II
V

ORDER VS CHAOS

A LIST IN NO PARTICULAR ORDER BUT WITH DEADLINES BECAUSE THAT'S HOW SHIT IS NOW.

- WRITING → april I need at least 70000 words. It should be everything up till now, Achieving your writing.

- JOBS → Data related
→ People → climb high in the pipeline.
→ Power → cause I crave the attention
→ Stalk people and talk about shit

- MOVE OUT → the necessity is there
→ It has to make sense to parents
→ anywhere but AURORA
→ get a skateboard a car or canvas.

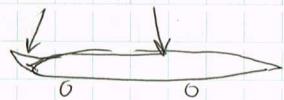
- DOING → Music
THINKING → Reading
→ AI Wordle
→ skateboarding
→ MATH
→ Programming
→ Video game
→ play video games
→ gym.

(it pisses me off that I have to spend time like loose my awareness when learning)

- HAVE A GOOD TIME
HELP OTHERS HAVE A GOOD TIME

SAT FEB 10 2024

PENNY BOARD: RELATIONS



- I won't fall back unless I put all my weight on my back foot, as long as even a fraction of my weight is on my front foot I won't fall

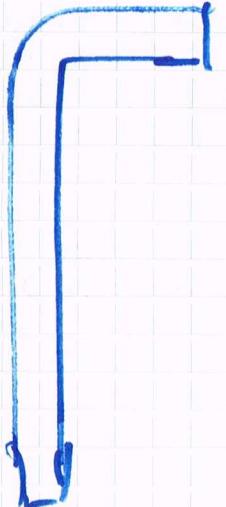
- changing directions; lean into it so it goes faster then put more weight on your back foot then move. Don't twist from the torso I think

When people spin (spin, ice skating etc) they start with their torso then spin their legs / waist

FEB 12 2024

- I didn't go in to work, I prioritized myself.

SASHA HAS A RASH IN SASHA



ALAN KEY



SASHA'S CAT

LILY

111111111111111111
ପ୍ରାଣୀ ନିମ୍ନ ପାଦ କାହାରେ ଥିଲା ?



PEPPER

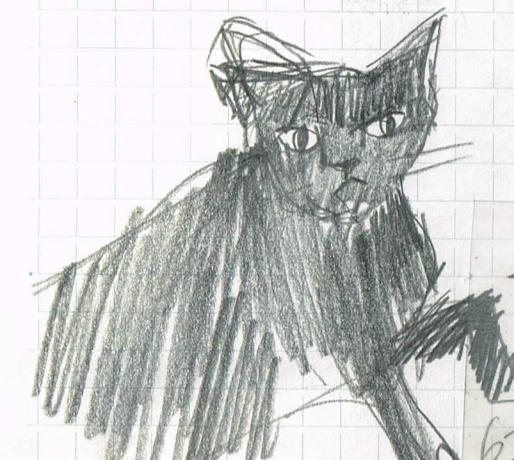


FOCUS ONE:

1. mother

- she hates her mom
- she loves her mom
- she hates her mom
but loves the person she
is
- she's changing habit?
↳ non-existent brother

2. Devil Story:
Devil is a Hindu
goddess of war and
destruction



$$2000 \text{ words a day} \\ 2000 \times 38 = 62000$$

$$62000 \div 14 = 4428$$

There are 14 topics
62 000 words in total

ending = Sister strikes her
into desert.
She learns that people
believe and fine things
they believe in are not
real but believing
them regardless
is the very act of
believing.

So 4428 words
should be dedicated
to each topic
then stitched to-
gether

SUBURBIA

- capitalism
- destruction → high school
- suburban devil story

L A B R Y N T H

- Limbo between
life and before
it starts.

W O M A N

- the play

A S U R P I S T Y & T H E I N T E R N E T

C H A O S & O R D E R

T H E W O M A N

F A M I L Y / O A S I S

- video games
- Mother
- That girls book I left
in her house.
- odd conversation,

T H E M O M I . T H E D E V I L

- unpredictable
- absent

F R I E N D S

- economy
- low life → jobs
- trips
- Drugs
- Sex

J E A L O U S A U N T

- short term
- Sister
- thought a

H A L L C I N A T I O N S I N P R E S E N T

T H E T H I N G ?

F A T H E R

- Shakespearian Death
- Mobster / real estate
- Absent
- extended family

S I S T E R

- violence
- right vs wrong
- general
- Suburban story / magical
laughter

B O B B Y

- fix stomach problems.
- laughter.

- Mars assist.

lots of
death.
(cousin)

maybe they are ^{not} the same event

Test

Feb 14 2024

- Is the point of life to have more stories to tell by the end of it? No its not into to simple be only be in tv present
- Prisoner's Dilemma

	+3 cooperate	+3
	+0 no coop	+5
Defect coop	Defect	Defect
+1	+1	+1
	CC	+3
	CD	+5
	DD	+1

- Its binary Defection? cooperation

- at the time this was so "inception like"
- The thing it was testing was the thing in itself

Feb 16 2024	ST RATE GAMES OF THE GAME
? Tic Tac	3 0 5 3 0 1 1 1 5 3 2 2 0
Random	0 0 0 0 0 0 0 0 0 0 0 0 0
Strat	3 5 0 3 5 1 1 0 3 2 2 0

* If I were to use ML → I would need a playing partner The game itself is binary
would the playing partner need to be binary at the time it felt so
to have been trained

1. choose an opponent (strategy)
2. randomness → wtf is it learning fun?
3. Participate in the circuit
 - learns through every participation
 - its like wordle now → you have to use RNNs

- ① Replicate the tests → to see how its structured.
- ② Introduce your RNN
Create

- ③ Introduce it into the circuit
 - ↳ Im guessing it will be like the best strategy → Tic Tac?
- it was also ironic that the intended strategy was to show that cooperation → non coop. and in the results in themselves it shows non-cooperative strategies to go extinct.

PAST LIVES
8000 years over 8000 life times.



00 SIMPLICITY
00

UNFATHOMABLE : ITLL BE THE SAME EVERY TIME

- humans need purpose even if you rich.
- ↳ does that answer the repo problem? I think so.

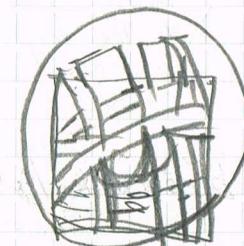
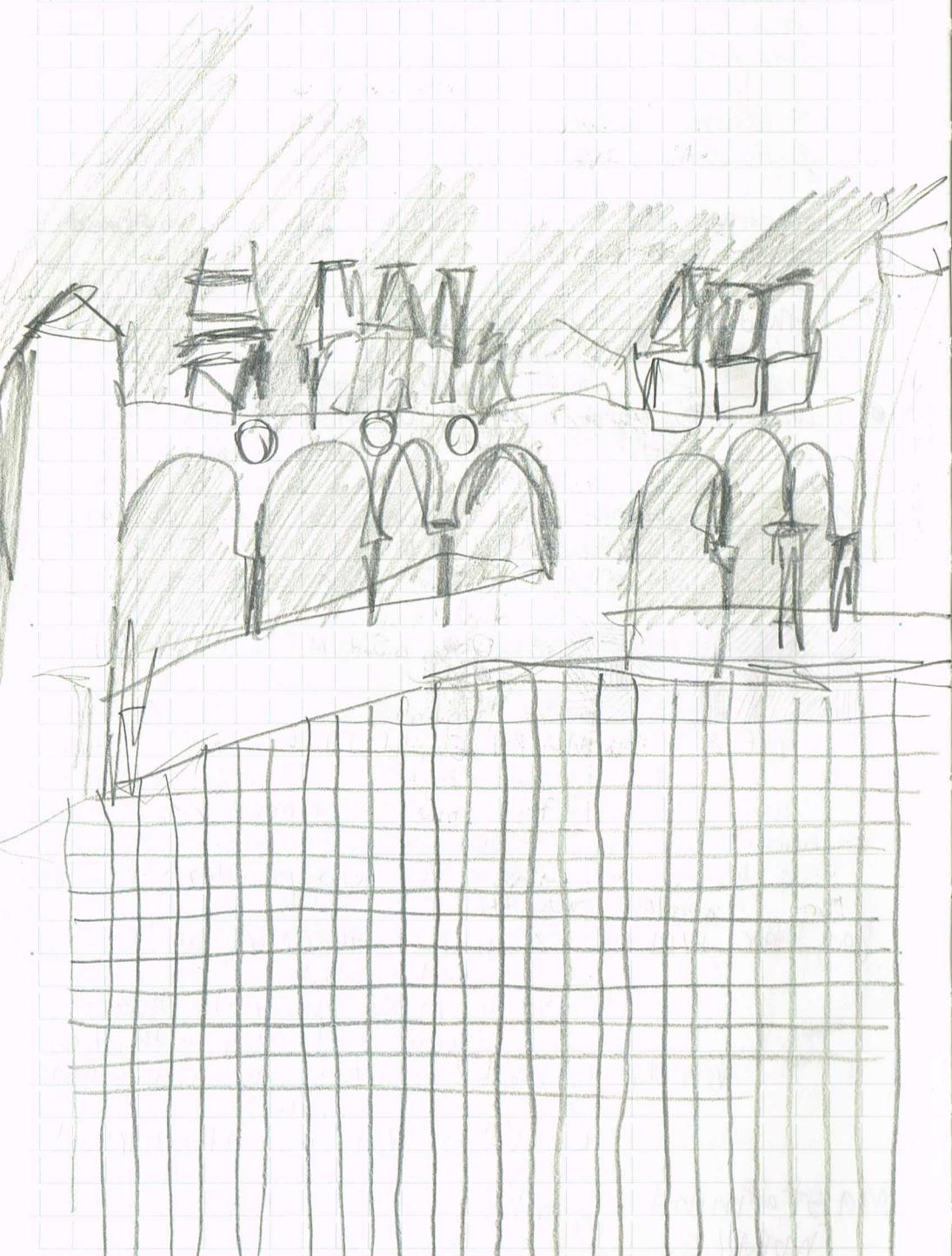
- goal for WORDLE → should be to learn all the 5 letter words

→ to make accurate guesses (guesses that align with clues)

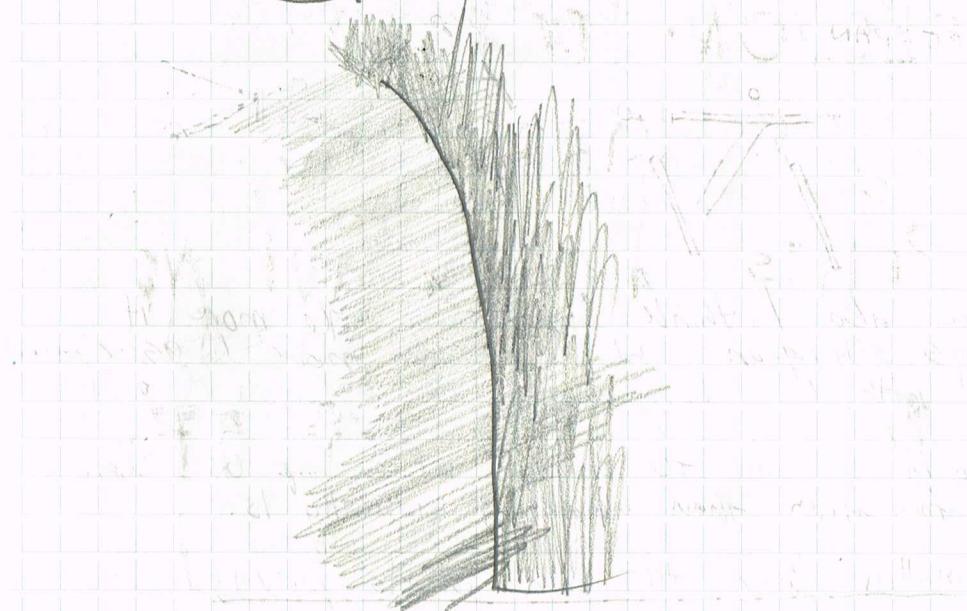
WORDLE { → V1 → allow any arrangement of 5 letters

→ V2 → Not only allow ideal

Mastermind { → V3 → allow any WORDLE.



MOSAIC



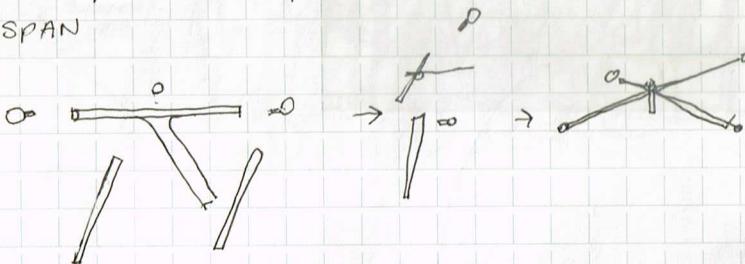
THE ARCHAEOLOGICAL

Feb 19 2024

I made a spinning top once from parts of a chemistry kit. At some point the top stopped looking like a bunch of parts and looked like a top.

So the top at some point becomes itself and not a bunch of pieces.

LIFE SPAN



Time also I think impacts it. The more it was sitting on my desk the more I associated it with it being a top vs a bunch of parts.

So in the end the concept of a top uses less information than what it actually is.

smaller than the sum of its parts

Which saves space and time. This is what Marcus Hutter was talking about when talking about ~~DATA COMPRESSION~~

I don't know every single 5 letter word, but I know POSSIBLE five letter words just by looking at them

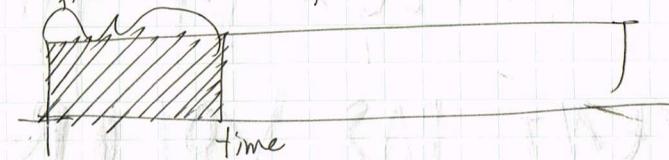
To be a person a lot of things happen
and you do things
concept of YOU is not

(unless you are some sort of competitive player) I guess I am then.

The reason this exists is because there are a lot of things and carrying all that is not possible all the time.

It's ironic cause I thought I could drop things just like that but I guess I can't cause I end up writing on the things cause I am still affected by the things that will change you.

Pile of sand → how many grains of sand do you remove until becomes a is no longer a pile of sand



The concept of a pile of sand is not hard coded into language thus it saves less weight and saves energy.

Nothing is "hard coded" but things they are in are hard coded. like computers that do machine learning (assuming that machine learning is not hard coded (like its ~~made out of~~ but has rules but it can learn and change) but the language its in the hardware its made out of). Example is DNA → expression vs chemistry (physical).

PLUS NOUS NOUS
ELEVONS ET PLUS
NOUS PARAISSONS
PETITS A CEUX QUI NE
PAYERENT PAS VOLER

THE HIGHER WE RISE THE
SMALLER WE APPEAR TO THOSE
WHO CANNOT FLY.
— NIETZSCHE

Feb 21 2024, karate
Pork chops vs ~~lamb~~, chops.

language issue → If that were my language
would fuck me up.

- what do words mean and
why do they mean the things
they do?
- why do they have such an
image?
- Understanding is fragile.
- It would be what matters
to me but not reality but
language

we talk about awareness & lost

I learned that when people think about
Jesus & the devil & religion they actually think
physically those things happened. Not like
the one who thinks that ~~this~~ it's the idea of the
the thing that ~~gets you~~ is the thing itself

Why do people hate the french so much?

Why does it cost so much to have
conversations about everything?

1 person is aware first I'm aware but
he doesn't strive to be the same aware-
ness as me. If I was him that would only be
my only understanding of it. Or like I would
want to be that. He know that he doesn't
know and he's ok with that

I found it

YADAH'S EXAM MRCI 08

Dairy categories → Flavour Trends

Novelty inclusion health benefits

Driving innovation

Unilever → brand

- not just delicious
- nutritious to you

Produce a lot → sit win in re
growth investment

new flavors

developing ice cream novelty investment

new flavours → brand aware

classic flavours will always sell more than
uniqueness → notice

weird crazy disgusting stuff

race to be better

excellent, extraordinary → innovation

fill up shelves for a long time

big splash

Flavor innovation → comforting flavors
nutrients

non dairy alternatives → niche

Feb 22. 2024

When people take pictures it doesn't ever look like it is them - like its ugly or doesn't accurately represent them. So how much does light impact our sense of self.

I'm guessing a blind person not only views the world different but also their sense of self.

DEPERSONALIZATION - DEREALIZATION DISORDER

I thought this was ~~wrong~~^{weird}, then I thought this was normal now I think its not lol

he said I wasn't aware but rather I was suffering all the time. he said I was sick. I was trying to explain that being 100% suffering is the same as being awake

Waiting implies value. I'm waiting for you but you don't value my time. I giving up my time you taking it implying that you don't value my time.

Trust diminishes

Feb 23 2024

If there are infinite alternate universes then theres a universe without other alternate universes - giant olive oil bottle man with giant olive oil bottle pouring into a salad

The salad says Normal conversation
* implying a normal conversations aren't always discussing these type of matters but this ones a bit flawed.

April 04 vs 5-1

2009 Grafite ~~vs~~ Bayern München

Grafite, Brazilian former professional footballer
german → Munich, Bavaria
↓
he knew to slow down where everyone going fast



Even AI can't draw hands well

D P D R

- detachment from one's self - Depersonalization
- derealization - detachment from one's surroundings
- world as foggy dreamlike surreal and or visually distorted
- usual onset Adolescence.
- 1% - 2% of general population
- child abuse - emotional abuse
 - neglect
- significant stress or panic attacks
- persistent feelings of detachment
- interferes with social or occupational function;
- unreality in one's self
- detachment from surrounding

A LR and <7000 and ON

Left (col 1)
A1,

Left (column, 1) or left(column, 1)
= 'A'
= 'L'

scribble

EPA

Information

or FN = "A*" OR
FN = "L*" OR
FN = "R*" OR

AND
SAL <7000

AND

place = "ON"

Feb 24 2024

I smoked again with Jack. I told him
I want to lie in the middle of war.
he said no. You have when you get
better you'll understand how foolish
what you said is.

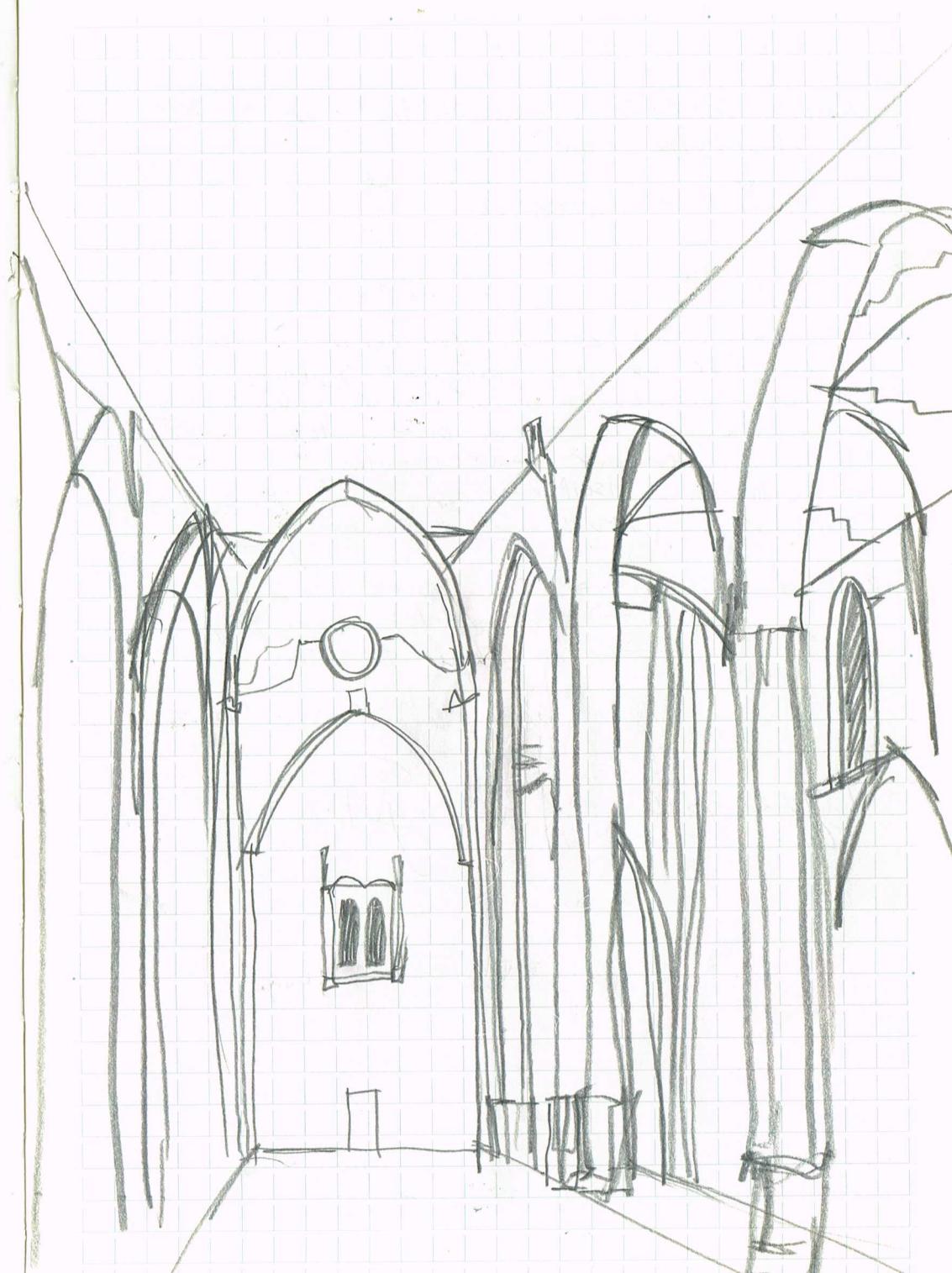
interesting - I never thought the fact
that John Fleck is dead, until I
talked to him a secure time. And
I don't know anything anymore in
the sense that I don't know 101.

MM

for sign

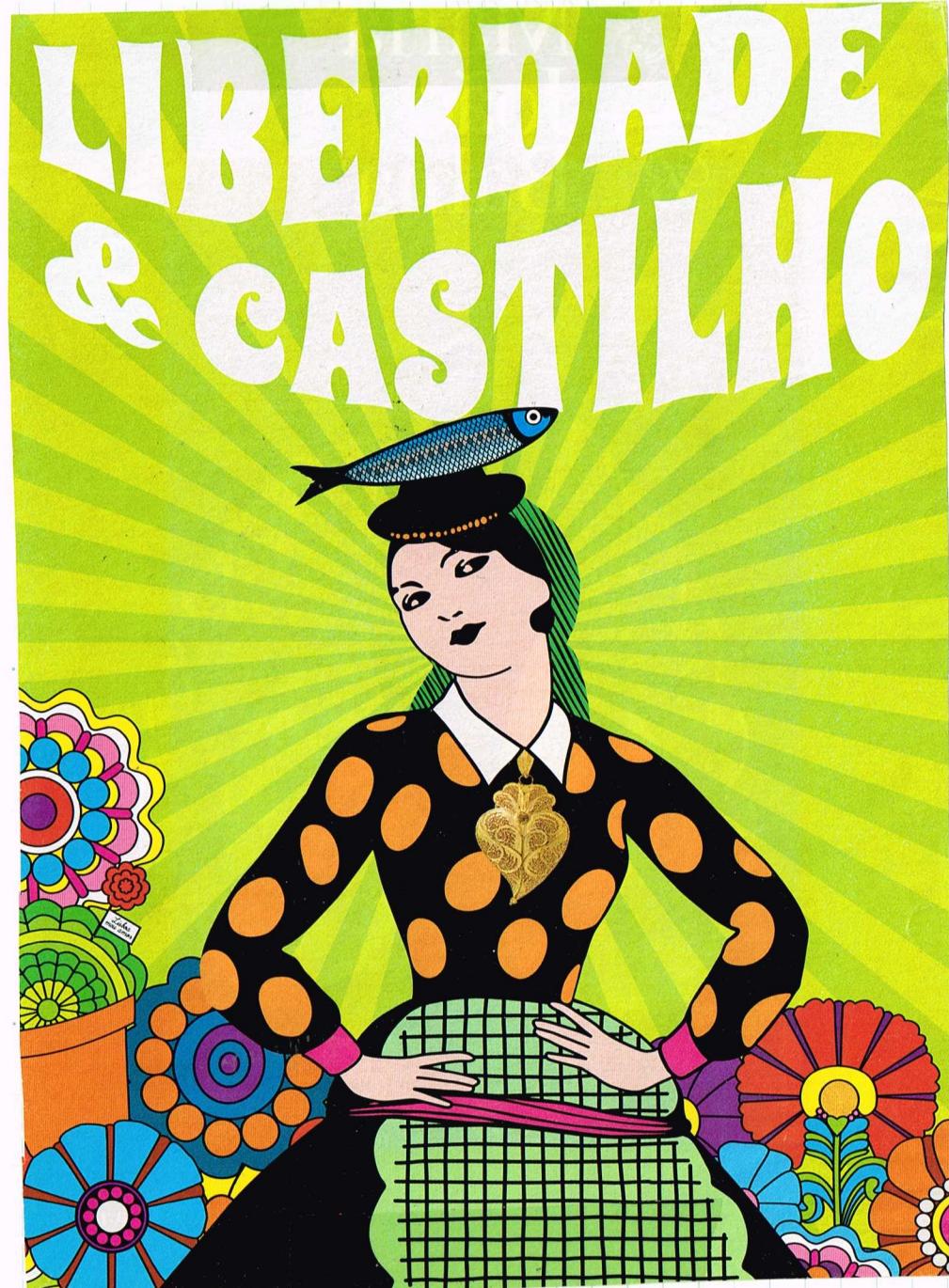
is right

you're OK
you're OK
you're OK
you're OK



Feb 25 2024

- Objective truth > subjective truth on a sort of relative scale
 - physical vs mental
 - ↓
 - objective
- you need this because you need it to survive and like we are biological beings
- if we want to talk about something productive → we need that also we need it to shorten our conversation
- but truth in itself has no scale like this like real truth and stuff
- portrait artists → show power / money
 - or (H/S) show people
 - me show the story
 - ↓
 - people who are important to my story
- I gave Jack my full legal name -



Feb 26th 2024

another list of things

1. find Psychologist online → a few emails
→ consultation
2. fix email, organize all my accounts ✓ kind of online.
research good ~~and~~ security shit
3. Search for jobs
4. Fix money
5. Organize the stuff I own
6. organize job I am doing.
7. Read.

Feb 27 2024

- we only pay for necessity or ideology
maybe both but never neither.

- options trading can reduce risk.
example → own an Airlines
→ oil prices ↑ Airlines bad
→ put options for the oil
→ gain ↑ from Oil to offset
the losses from the Airlines.

→ Propaganda → affects the stocks
↓
can affect money, mind, society
→ if everyone stops believing → nothing will
change because
we still exist

- per amount → three pieces of information

1. AMOUNT
2. FROM / TO
3. BANK
4. DATE

AMOUNT	
ERIS	£1234

Colour coded.
earnings makes
sense
but spending?

Amount	From/To	BANK	DATE

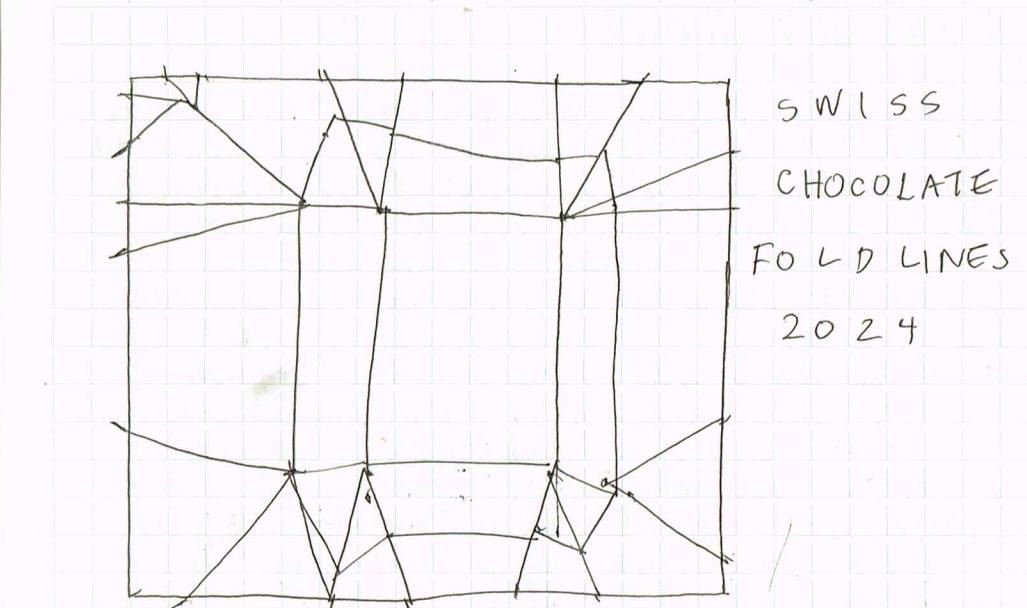
Feb 28 2024

- Poker with options trading to mitigate the risk.

- A Bucket Hat like ferrem roche

- I went to the gym with Srikanth and
saw a police car but I felt nothing
usually I would think they are
after me.

- I'm fucked in the head



Feb 29 2024

- yesterday I talked to a student of mine he started off by saying Is this real? and proceed to spill a bunch of shit on me (I was curious too). I'm writing to remember.

1. he said Is this real multiple times

2. he can't see himself in the mirror

3. he was playing a soccer game and went by 03 defenders he doesn't know how he got there

4. he had an episode where he did need and then repeatedly hit his head on the table.

4. He drove a car with his friends and his friends said he drove well but during that he was out of it

5. He overly plans

6. He told me he wants to be a lover in Uni and play God of War all on his own. I asked him if he meant that and he said know.

7. he said he felt high.

- he said other stuff but I'm not remembering correctly I think.
- he talks to himself like me.

- things I can do:

- Read

- organize money

- learn poker

- wordle

- learn RNN

- belief

- excel

- synthetic division

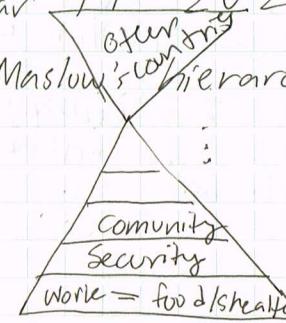
| god of war

Mar 7 2024

- I don't think I'll ever get used to the passage of time. Something like this is so incredibly painful for me, and the fact that I don't even know if I believe anything I say. Is it really that painful or is it just something I am saying. I don't know.

Mar 11 2024

- Maslow's hierarchy of needs but for society



- people only fought back because of these needs aren't being met

- Thought experiment if you are the citizen in your kingdom but and your king provides you with everything (food water, security, community no war) but

one day the king says actually I lie to you about the state of reality (we actually live in one) and math is fake and all of science is fake and art and literature and history basically everything is fake. would you fight back. what if he said he was poisoning your food to make you healthier?

- Thought experiment : Roman empire GMO vs Death.

- how do you measure a good society.

- Order vs chaos
- 6. hair → covered more tangled → make up
↓
→ braided more ordered → hair
↓
Society likes things more ordered
↓
- cars on road
- education
- to go from chaos → ordered
 - (Selfish gene & entropy, controversy)
 - energy
- generational energy changes through time
resesesity → ordered stuff
 - ↓
More order
↓
more and more order.
- older generation
- energy → put into getting resses sitio
" " " without effort
- newer generation
- energy → put int making shit
" " " more ordered
- natural state of the universe.
- entropy → information theory
→ language & entropy in words? Possibilities
↓
it can't be
- Conceptual thing where things

- MAR 12 2024
1. P[E]SKY
 2. M[E]T(Al)
 3. B[E]ACH
 4. [H]EAD RD
 5. [HEAVE]
- T, SR Teeth
know there's another vowel
(R) → prominent letter
- EA -
- EA HQ ← like what would go here
H E A - ← more likely
check random letters

how much information did it take
for me to solve the puzzle?
Is it more or less than memorizing
every 5 letter word possible?

P[E]SKY ← like every 5 letter word
that starts with E second
letter
← I know that its highly
likely there is a second
word
← STR ← most common letters
I go by whatever looks right.
↓
how do I know what looks right?

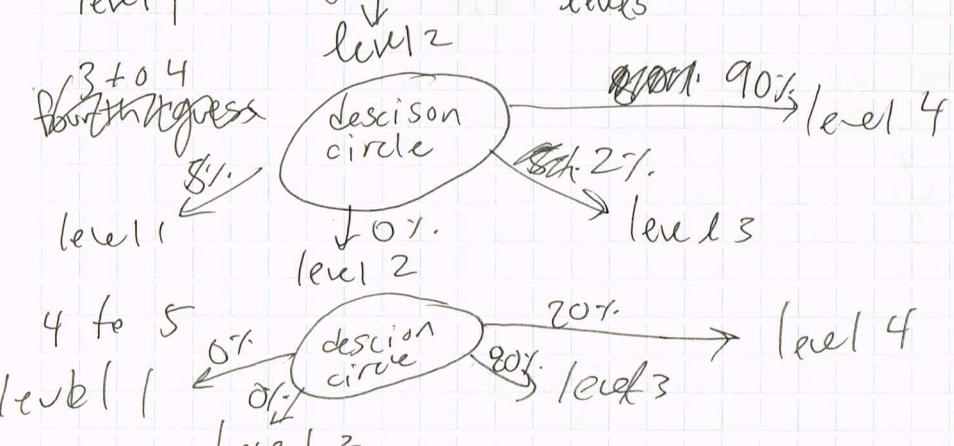
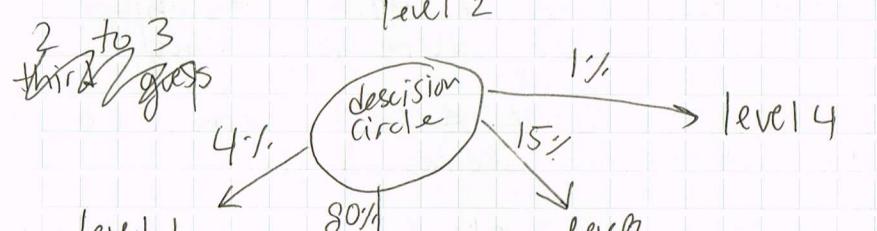
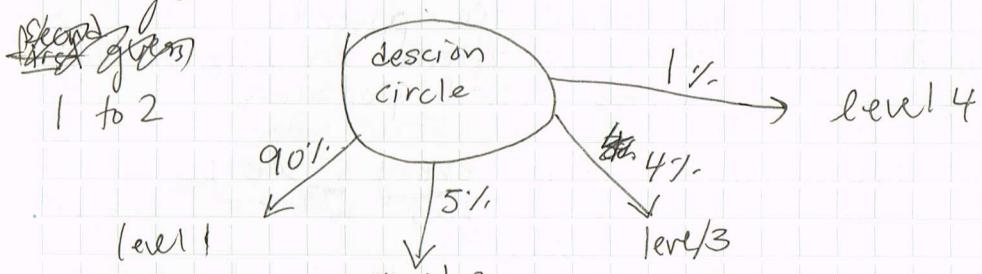
are blind people good at wordle?
or worse based games?

Yes but this is where smaller than
the sum of its part exists. Some
where in this reasoning → we are
compressing data

I think for like its whatever
looks ~~feels~~ right?

- level 1 → vowels & prominent letters
- level 2 → placement of vowels/prominent letters
- level 3 → other letters
- level 4 → placement, other letters.

- all levels are working at the same time
- one level might be more effective than another
- another system to decide which level to go to first



- does each output level result in an output?
- Yes
- then the decision circle picks the word from the largest percentage.
- The decision circle has to learn percentages
- so how do I push the levels to do their learning? → PNN
- ✓
- ANN
- ↓
- in put
- out put
- learn
- ↙ no input out put ??
- ↙ how do I correlate the learning??

-
- YANN LECUN
- Does Intelligence need to be grounded in reality.

- Language + Visual
- Is there an abstract representation of a scene before you create it
 - generative video modeling
 - hasn't been done yet
 - JEPBA

MAR 13 2024

HE@VE

- more vowels
- STR

STR@P

- more vowels

+ other consonants

- what could go here → L, Y, H
- where could the vowel go

X X O A L

two consonants → none fitting

Consonant pairs =

CK

CL

X O X A L

O C A L

L O C A L

LOCAL

MAR 14 2023

LO@AL

- more vowels
- STR

not word

(thinking Scrum)

cr

want i

ciri

sp

→ come into place

OR@SP

MU@L

M U S I C

Vowel (U)

S C

C C

C S

I F

I C S

or S C _ _ I

or S I _ C E

((for got about E!))

SI_C_E



tried a whole bunch of consonants

SINCE

in my head I am pronouncing
too

Si "Sigh" but not 'se'

Si+ce

Si Bce and NCE isn't common,

SI_C_E > SCE_I > IC_S

I knew ↑ more likely than

how did I know that?

• Role of Repetition in learning

because I only really understood what
and how to solve the game through repetition.

- same with working → SQL, PL/SQL
- teaching math → math.
wordle

these are the only things I do consistently every day.

Things I want to add to this list

- Reading
- Writing
- Exercise
- Drawing
- Math
- Outside

ORDER VS CHAOS: HAIR

When I was a kid I'd go ~~hours~~ days without brushing my hair. (don't ask me why that's a whole other can of worms). It was ~~horrible~~ even more worse because I had curly hair. As I grew older and learned to make my hair less tangled I learned a thing or two about chaos. I learned that combing out your hair takes a lot of energy or work. So

1. chaotic → order

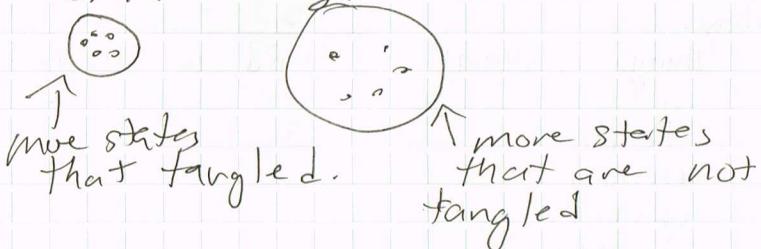
- took energy and work.

2. If you braided your hair (made your hair more ordered to begin with) it would be less chaotic and tangled.

3. If you straighten your hair it has less of a chance of becoming tangled because there are less states.

4. If you wear a hood you increase the tangling ness?

↳ I DK why



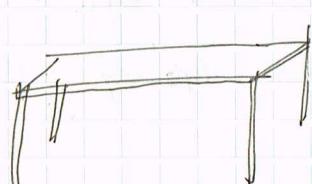
* Insert Thermodynamic explanation of entropy.

- the more energy that is lost ~~toward~~ by a system to its surroundings the less ordered and more random a system is.

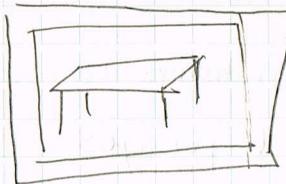
↳ could that help make a tree random algorithm?

- If concepts are things that are smaller than the sum of their parts, maybe intelligence is ~~how~~ the process in which we make these concepts.

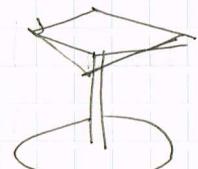
↓
Result of life a entropy... making a more ordered —————.



table



table



table

- categories of things are by definition more ordered.

- how do they get categorized like this

↳ Social programming → Information propagates.

→ what does a 'concept' look like in your brain.

NOAM CHOMSKY

"Suppose you had an organism that wasn't equipped to learn the words of human language define word

↳ definitions are just hints

- I think some people go through with this experience when they realize this carefully constructed world is absurd. Reading 'The Silence of Water' by José Saramago he feels that, You believe in something so much but it's an absurd idea. Once in Deimeen by Hesse there one day he tried to copy Deimian an all the silence everything around him was absurd, His parents felt alien.

WHAT I WANT TO DO AGAIN:

1. Finish Hitchhiker's Guide to the Galaxy

776 pages

110 pages/day → 2 hrs of reading per day

2. nine stories → document the shift in characters
 - the guy (banana skin)
 - the girl (small girl)Why does it make sense

* dialogue

3. order vs chaos → learn more about entropy
 - remember the chemistry and the math

4. APPLY to jobs → 2 SO BS (4 jobs)

5. PL/SQL - make my work more efficient

6. VAPPT MATH courses.

Future stuff

- write my book
 - re-read VRendae lightness of being
 - Stat guy book
 - Zizzle
 - Wordle AI
- elaborate more on this idea

MAR 15 2024

SINCE STR + vowels

T[R@ALT] TRE_I

_R_E_T

three vowels or 2 vowels and one consonant

or

ER__TX

_ROET or _RULET

tried nothing tried nothing

ERGOT

ER~~G~~T
1 vowel 1 consonant

ER~~U~~TP

try consonants has to be vowel things

ERUPT

- ŽIŽEK

The courage of Hoplessness

- the very idea that you 'can' quit smoking makes you not quit smoking
- freedom of choice
 - my awareness that I can stop smoking at any time I want guarantees I will never actually do it
- If you said once you start smoking you can NEVER QUIT, less people would be smoking.
- So I smoke and I proclaim this to be my last cigarette so I enjoy smoking it with a special surplus provided by the awareness its my last cigarette, do it again and again
- freedom of choice is essentially a prison
- I've watched so many videos of Žižek that when I read his writing I can hear him speaking it, and I can understand it better

↓
I think when humans mimic people (like a basketball or mimicing clothes of people we look up to) there is more of a reason we do this than just to copy the essence of the person. maybe we are creating the necessary structures or concepts in our brain to actually understand them better

- "so what should be brought to an end is not smoking but the very attempt to smoke"

- change → catastrophic
- does not feel relieved.
 - ↳ smokes a lot and no satisfaction
- neither prohibition nor permission works
- there is no point in smoking → he stops.
- Part of the pleasure in engaging in an activity that you say you want to continue ie smoking eating chocolate scrolling on phone.
- is the idea that you can end it or that this is the last time you will engage in that activity.
- Some how **saying** that or believing that this is the last time you will do something brightens the activity.
- he connects this to Leftist activist who don't do anything to evoke change but think they will? or maybe believe it will happen in the future
- we are 'addicted' to saying it will happen but we never do anything about it
- Despair - when there is nothing left
 - ↳ we don't know anymore what to do
 - ↓ that change can be enacted

Takasa sissors

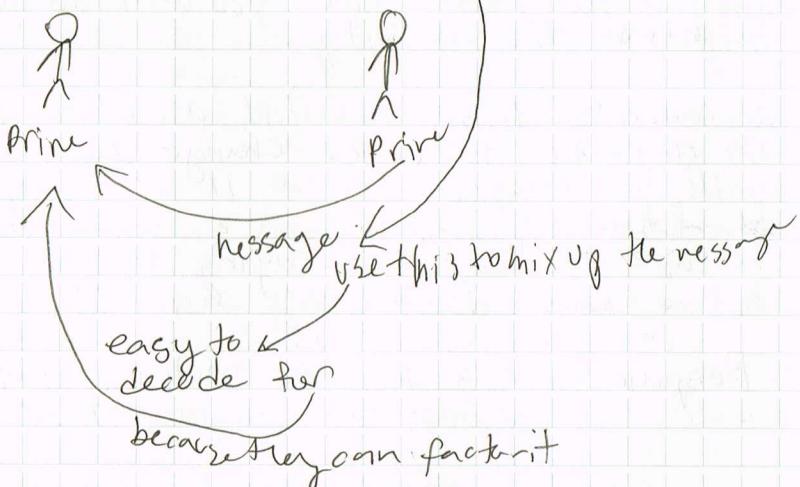
- Italo Svevo - writer
- Antichrist - Trier
- Y tu ma también - Alfonso Cuarón
- Carl Theodor Dreyer -
- City lights - Chaplin
- Rosellini
- Great expectation - David Lean
- Stranger than paradise - Jaromil Sch
- Murmurs of the heart + Moller
- Picnic at Hanging Rock - Weir
- Snail of success - Mackendrick
- Trouble in paradise - Lubitsch

SNDL - store now decrypt later

- encrypt & decrypt

- RSA → two large prime numbers

$$\text{Prime} \times \text{Prime} = \text{Big number}$$

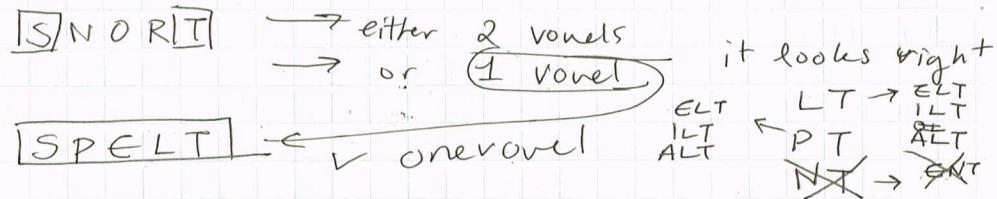


- Factor algorithm → general number field sieve.

- quantum Fourier transform

- Ideally, I want to have a job that's located outside for the first half of every month. Then the second half should be an inside job.

MAR 18 2024



- to do / today

0. 2 hrs of work.

1. HHGTTG

2. WORDLE → learn about RNNs

3. nine stories

4. Writing about chaos

5. Maths course

6. Organize work → PLSQL

- I never go through with a list / make why?
because I'm lazy, the energy exerted → I could do it later
when I have more energy
but it's like the smoking thing
I will never do it somehow that doesn't make me do it → I need despair.

13 MAR 2024

S P E L T

R E A C H

F A K E R

A D D E R S B knew A was first

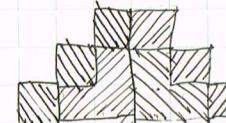
A B I D E

- I have to pick → become a person
 - or
 - don't become a person but learn to live with it normally ↓
 - I'm leaning towards this because it feel like I'll get more information out of it
- There are some types of ART (mostly music & Books) that talk about Rich people doing drugs and shit. The only two I can think of right now are American Psycho & Blader Rich kids - by Frank Ocean. Like the trope of being Rich having every conceivable thing they want, always ~~reach~~ want or reach for Drugs, Violence, just degenerate behaviour. Why? I think its cause it points to some innate need for humans to need risk and meaning of life, for some reason a poor person doing drugs is like they want to like get away from the situation its a coping mechanism, but rich people it can't be a coping mechanism, its something more and somehow more innate to being human than anything.

pick a person
copy them
completely

- I don't know if you can care about something if you have no belief.

ex like my job. I wouldn't think twice about not doing the work not caring about it. (obviously I won't but I'm thinking I could possibly do that)
How scary is that?



- I think I need a physical job.
- I keep on imagining me living in a remote place like a snowy mountain area - because in the end of the day I'm scared to become a person

- am I scared of caring and belief because I'm scared of people or because I'm scared of being in a box?

- I want to do things with passion to drown out whatever this shit is but in order to do things with a passion I need to believe in it

- I don't think I can be someone want to have to I don't know like am I in control of this or no

GOAL

- Isolation - I need to be by myself
- work to live → like manual labour
- to live in the house
- work to give back to the community
- outside
- learn

More more more writing

MAR 20 2024
A B D E - O, U, Y, I, T, S, R
T R P S
K N K Y
L I N G O

- LNO -
INGO

- I keep on having really ~~gory~~ dreams
- Read something mastery everyday → just to get your mind adjusted to it
- Sell the idea not the actual thing
 - when people learn math (as children) as teachers we sell them math but we need to sell them the idea of math, not the math itself.
 - a good teacher sells the idea itself not just the math.
 - ↓ to do this 1. you need to really understand the thing you're teaching
 - 2. You need to know where it comes from, why was it discovered, the history.
 - 3. Interesting problems (that are relevant to day ← optional)
 - 4. In right & wrong

- The goal in teaching is to teach how to learn and how to think
 - ↓ as a result of this
 - ↓ you should get knowledge & understanding as a consequence ~~not~~
- The Pipeline for me is:
 1. Individuality - understand your audience.
 2. Explain the thing you are teaching
 3. Explain the history → why?
 4. Interesting problems → exercise known knowledge
 - ↳ exercise thinking with difficult problem
 5. ↳ discussion

- Homework → Should be one question a day
 - If your learning something repetition makes you remember it.
 - One thought provoking question a day.

- If I were to write a superhero movie, I can't even think of the superpower.
 - but I would want it to ask the questions of right vs wrong
- lack of will to do good → survive. the idea that half the world is missing if you don't engage in the other side

- near the end ~~I would~~ it would be pure despair and like a small moment where he meets a greater God. Who shows him the delicate balance between right and wrong

- I don't like how Morte das' become good so fast → it make sense like he's "human," whatever
 - but I think if would have been so much interesting if he didn't become good as fast
- ↓
 ↓ the road to become good is more interesting
 ↓
- I like that Morte is just genuinely good
- In chainsaw man → survival
 - mock goals
 - nice friendships
 - total despair
 - ↳ everyone dies
 - lack of understanding of rules of the powers
 - ↳ surrealists objects cool
- shinji → in friend
 - Hierarchy is always needed
 - Hierarchy is always needed.
- not ↴ just hierarchy but a good hierarchy
 - ✓
 - ↳ I'm guessing communism's like this?
 - dictator ↗ everyone else
 - ↳ needs a large amount of energy to enforce and keep going.

- STORY
- Someone discovers that everyone has some level of powers they just keep it disclosed to make money, descreetly.

when I get back from work (8pm)
→ 8-8:30 eat
8:30 - 9:00 → work
→ 9-10 read HHGTTG
→ 10-11 recalling GPT → rework the tutorials
→ 11-11:30 read nine stories / write about chaos
→ sleep / fix hair / brush.

- The new wave will be modernist post-modern,
 ↓
 like carving roses in stone.

MAR 21 2024

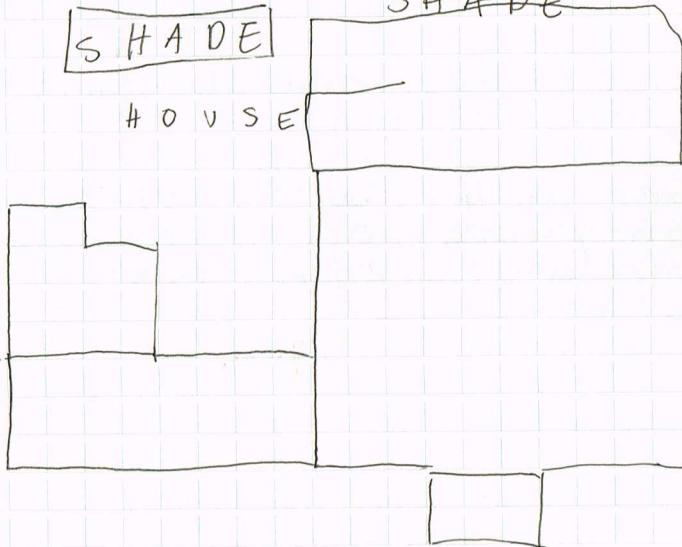
L I N G O
 S T E A M
 S H A K E
 S H A K E
 S H A R E

S H A D E

H O U S E

V
 S H A M E
 S H A K E
 S H A P E
 S H A R E
 S H A D E

N I Z A R
 Q A R B A N I



- JUNG → Hierarchy of values

- make sense of life

HOUSE
HOUSE
HOUSE
HOUSE

- Run Away

4:00 - 7:00 → Mathnasium

8:00 - 10:00 → Work/dinner 6 - finished

① - ~~SWF_KY~~ → finish this

③ - LUST_MI → start

② - UST_NJ → finish Address comparisons

④ - PFAS_MO → start

⑤ → Flex Reviews

10:00 - 10:30 → Read HFITC6

10:30 - 11:00 → write the thing

11:00 - 12:00 → GPT

DOING DOING DOING DOING

HOUSE

I don't understand anything
everything is gone

I can't tell if I feel this way
on purpose or is it because
I figure out I don't have control
so I am away

I can't do it

- Abstractions } smaller than the thing
concepts } by abstracting

- I don't want to even write anymore
(cause why would you even fit this)

- It's not that you want this, it's
just that it's already written

- WHAT DO I WANT

- there's always an escape from myself
when I watch things on my laptop I never see
put it in full screen always i need to
see the bar at the bottom.

Or when I tried a sport or something. In the
middle of a game, I always see things outside of
the screen I see the sidelines and the people
sitting on the grass. The heat. I imagine
walking away each time. Every time. Every game.
It's an escape mechanism. I'm scared of
being completely in. I see people who are in
in the game, in their reality completely. every
job there would be an exit button every time
or I'd make one or I'd exist. exist exit.

The only moments I don't have an exit are
when I'm with myself. Those moments are agonizing
maybe I think if the world puts me in a
box I can be in a box, as a genuine consequence
of my environment.

I am a genuine result of my environment.
I am my environment

but if that's true why am I never "in" it. It's
paradoxical. Escape from every relationship every
job, every activity, every book, every movie

what do people do when they don't do
anything?

There's no way this is real right?
What is real?

how do I know my real is right is my
real the real real

When there's like something sad going on or
meaningful where does humor play a part in it?
I just don't understand

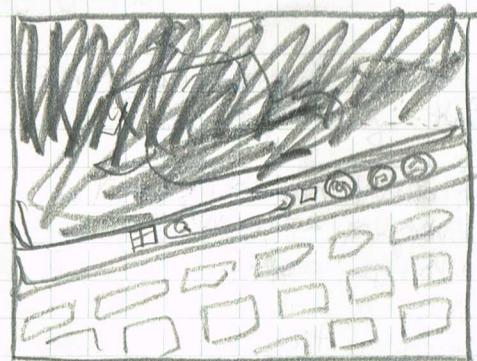
MAR 22 2024

SHADE
PEDAL
DECAY

DECAY | _ERA_

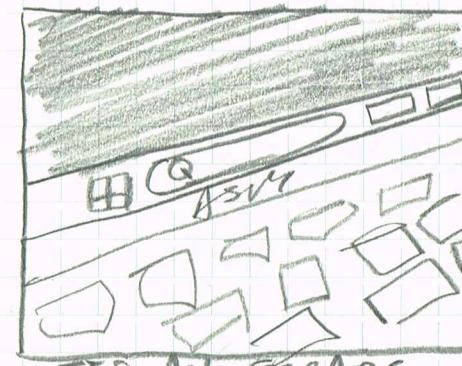


WHEN I WATCH MOVIES
ON MY LAPTOP

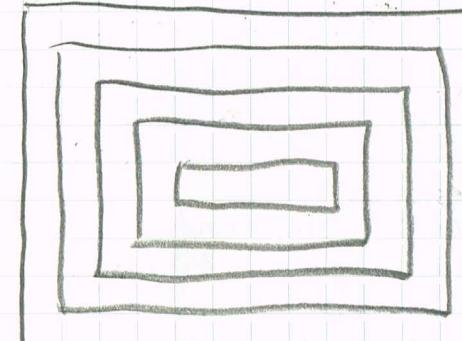


I NEVER PUT IT IN
FULL SCREEN

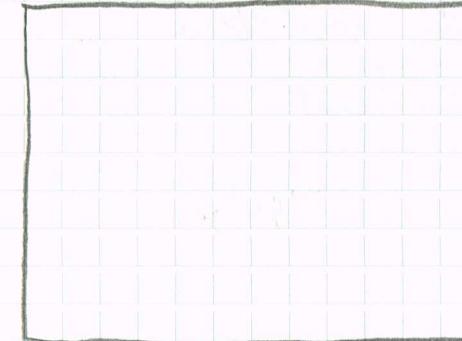
DE_A_ or _E_A_D
↑ ↑



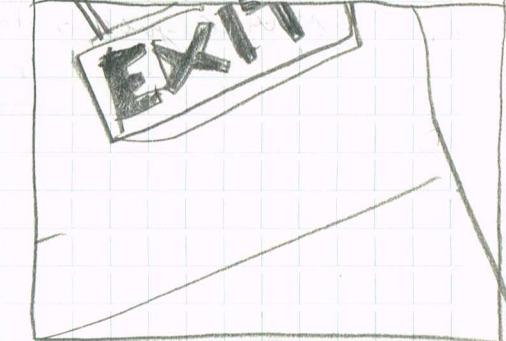
IT'S AN ESCAPE



I ALWAYS NEED
TO SEE THE BOARDERS



IT'S AN ESCAPE ROUTE
FROM MYSELF



IT'S AN EXIT ROUTE

TRIANGLE OF SADNESS



- I want to make movies now
- people fill themselves into the realm of whatever they are in. The more I want do I want to do what do I want to do what do I want to do

- a couple argues → the relationship between how much ammunition a single ~~Korean~~ Incident

MAR 28 2024

Leave the World Behind =

- ok movie, the only movie ~~that~~ in which both my parents were interested in knowing what happens at the end.
- the music didn't match up to the events in my opinion
- Suspense was built beautifully
- the old camera angles were great.

ANATOMY OF A FALL

→ how can you define the weight of an argument in a relationship.

- 1. RUN AWAY
- 2. WORDL~~E~~
- 3. FLOSS
- 4. LEET CODE
- 5. MATH
- 6. RNN
- 7. READING
- 8. WRITING

MAR 30 2024

- genuine happiness
- what I wanted to say was this:
when we have a thing such as
chair
- I am my thoughts but ~~I don't~~ I
think about everything all
the time.

ADAPTIONS → that we show

1. Devil / Durga
2. Dream
3. Fate
4. Destruction / war / violence.

End shakespearean → Faerie tales.
~~She~~ Wicked kills
Teller
Sister doesn't
Apples.

I know that's what he wanted
but it isn't right



how do you determine what's
right and wrong?

MACHINE LEARNING

- wordle RNN (my version)
- Analyze other RNNs
- GPT ~
- Address cloning
- Solving wordle vs random words
- HARD mode.

WHEEL

(2.)

1. WRITER
2. READER / WATCH MOVIES / ANALYSE
3. DATA SCIENTIST (1.)
4. MATH
5. HARD LABOUR
6. DRAWING.

For the next month im focusing on
writing

Data science exclusively.

7 hours of ERIS

APR

APR 03 2024

- There's a structure with 1 lack. The smaller version of yourself which you perceive. Sense of self

When I watch a movie, it's a ~~datatype~~ compression of something, a structure of life/human. And it makes me feel better that exists.
↓
I can borrow it, learn from that structure.

- I lack dopamine → Artificially I could get it from other things
↓
coffee, cocaine, exercise.

I need to learn to make it for myself.
I think.

- If we get at everything I'm viewing
↓
What happens if we don't view.

- I got to create my own "view" "structure" when I write.

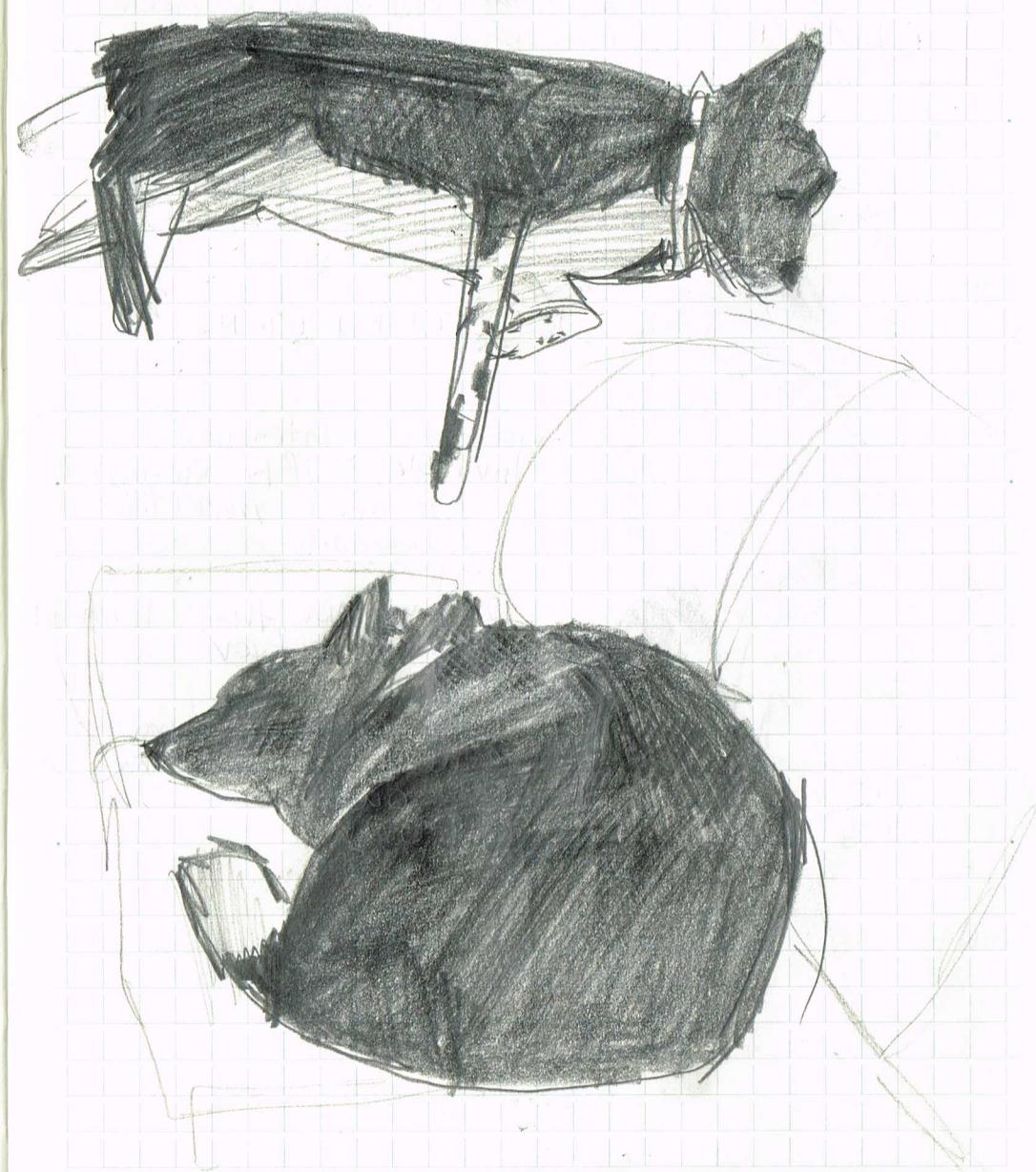
- A study into the descent into madness of me

- There is never a story in which the person who is lonely ends well

They have distorted views on everything

that's no longer the truth.

As an artist there's always one line you can draw and everyone can figure out what it is



SERVUM

ALLOY
BLACK
PLANET

PLAIT

- loneliness goes against biology
- The moment you are alienated and gone, no longer are you capable of looking at the word as biology intended.
- In the future all that will be left is physical things

The more of them that exists, the more likely it is to survive for long periods of time.

DISTORTION

- 
- Humans are interesting
 - Invincible → If he accepts the deal from the Vitamites
- They promise that humanity would be better
- Is that right or wrong?
- we need to fix things on our own, our own.

A GENUINE DOCUMENTATION OF MY DESCENT INTO DESPAIR.

- no more lists just do things.
- I like books/movies that have to do with belief and memory and breaking those.
- I also like when movies have to do with politics and large decisions & maybe even the nature of us.

- I don't know any more.
- I woke up again and reset everything in my brain. The issues of yesterday are no longer an issue of today.
I can see clearly once again, I can write coherently once again, I can understand.
- I bet I can turn my computer into a movie → everything has to be found.
- Anthropomorphizing everything
- Total and Utter Chaos at the end

- how long can humans spend in isolation

I guess a ~~solo~~ desert doesn't really mean isolation



RIP IN THE ATMOSPHERE

COFFEE

- I need an obsession, an obsession that makes sense. That makes sense.
- ~~now~~ I reread all my writing lightly and it's all the same story, it's all of my descent.
- come back and finish it I'm going to write yet another

Insanity ARL 04 2024

- I don't remember a story ever ending well
until the main character was alone.
alone forever
- do people accept this uncertainty in
~~their lives now to feel like in
this world~~
- ↓
Create uncertainty they create
order.
- create structure.
 - 1. WORK
 - Backup procedures.

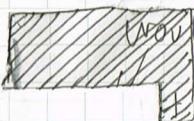
1. WORK

→

2. ROOM

3. COMPUTER

4. MYSELF



PLAY
SLINK
FILED

LIOG LIOY

LIGR

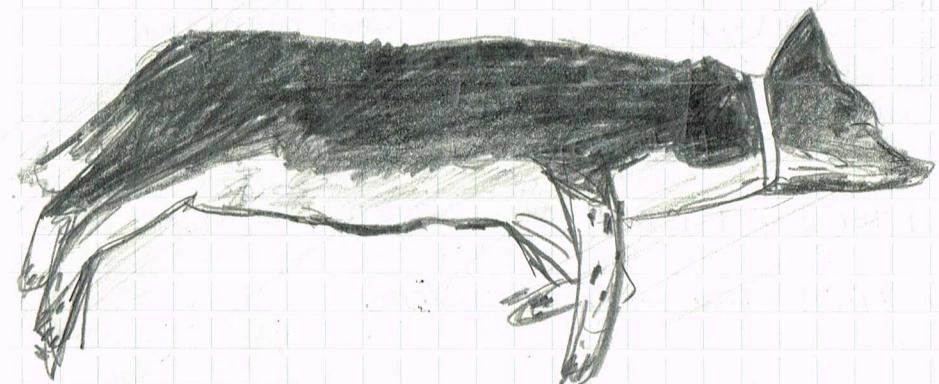
LI R

LIMY

MB → IS Rare.

CLIMB

PEPPER

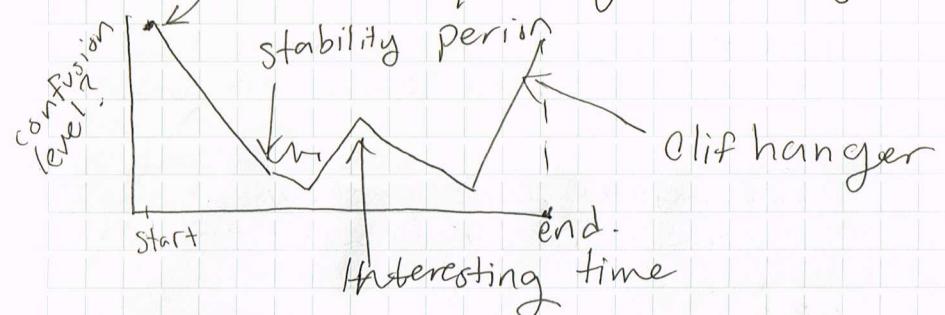


- Its always the same thing with humans
we always have the same realizations over
time. People can look at it as if we are
progressing through history but we aren't.
It's always the same realizations and
we create more abstractions through time to
give us the illusion of moving forward.

- Over time the abstractions increase but
the meaning/the thing itself is the same.
Its like in programming. low level programming
you telling the computer exactly what to do
and how to do it in 0, and 1s but we want
to make it easier for ourselves. so we introduce
a language and a compiler to tell the
computer in plain english. It does more
for us to do things and now we can at a
point we do not need to understand
0, and 1s

- Abstraction ↑ through time] a movie
ENTROPY ↑ through time]

- start half way through a story



INCEPTION

BIG IDEAS → to small Ideas

1.

APR 5 2024

CLIMB
SLEPPE

WRIST

- People are "in" something, that's when they believe in the thing they are doing, and are no longer aware of it. They are not aware of the act that they are doing,
- It's like your consciousness is looking back at you
- When you look into the void the void looks back at you
- The story about seeing the blind spot in your eye

* The character can't stop looking at it. he sees it everywhere sometimes he could forget about it. Directly he cannot.

* He mentions the elephant and the weakness of the human mind

- The goal is to trick your brain into thinking its not there. So you can actually do things
- but soon he falls and he looks in it for a very long time. And something looks back at him.

↓
faints and wakes up in a hospital

- either the story goes that everyone can see the thing or no one can and he goes crazy
- which one is more true?

- If the world is deterministic, what does that mean for humanity? maybe it means nothing because even if it's deterministic it's incalculable, because of chaos theory.

↓
can a computer even calculate it?
can a computer even calculate it in polynomial time?

↓
What if life is NP complete → imagine there's a machine that can check it so we get a prediction → and it tells us if it's correct.

- I think that's what they mean by deterministic and non-deterministic in that lecture?

- my subconscious now has page numbers

- It's always the same fight over and over again. I want to be irredeemable

TMR:

1. ~~1hr - 2hrs doing work~~
2. ~~1hr - 2hrs reading Blindness~~
3. ~~Showers~~
4. ~~4 hrs of Mathnasium~~

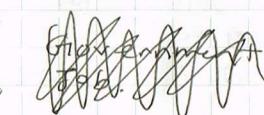
5. Pick one thing from his book and do it
- 6.

APR 06 2024

- Turn normal things to obsessions
- I want to know what happens next to know right now.
- Set arbitrary goals even if weird and unattainable.

Pipeline.

- ① 1. Data analyst
2. Machine learning
3. Hardware & security
4. Languages



- Power/group of people → people believe in the same thing
- Power is manufacturing belief
 - ↓
If you can't beat the system.
- 1hr a day to OSSU → website

- ② 1. Reading everything
2. Writing everything
3. Writing about reading everything

- I don't know how I feel, I don't know how I feel about things at all.

↓
So I replace them that space with other things (other people's beliefs)

- a book
- an interpretation of a book
- my own interpretation of a book.

- create necessity.

- power guarantees belief. It's sort of comforting when other people share the same belief.
It's that over/and relationships and we all know which one I'd prefer

- I'm a mess.

APR 07 2024

- Separate the feelings / human impulses & the logic / knowledge acquisition

F O N C H
O D E (A L)
M A I L E S
A G T E A
X V O T C A

- what ChatGPT lacks is the context umbrella.

- how do I create necessity

↓
DONT THINK ABOUT IT
DO PRACTICE NOT THINKING ABOUT IT

↓
Ideally that should fix it

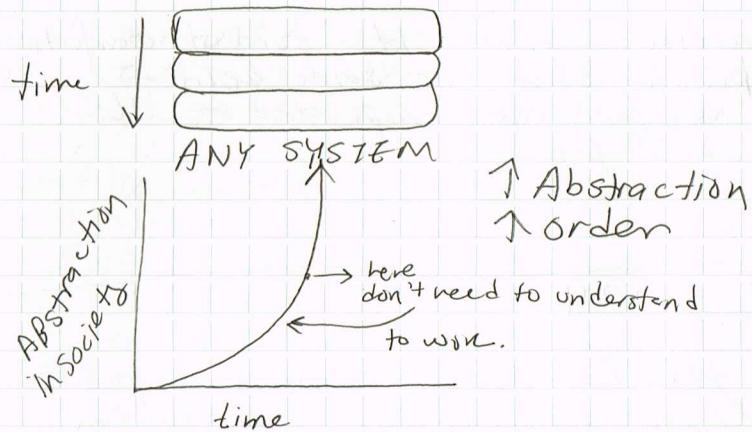
- I'm weird to all people in general

This week:

- finish Blindness → write 2 pages
- do datasets → streamline workflow
- RNNs
- chaos & order in systems / entropy

↓
mathematical model

- Abstractions

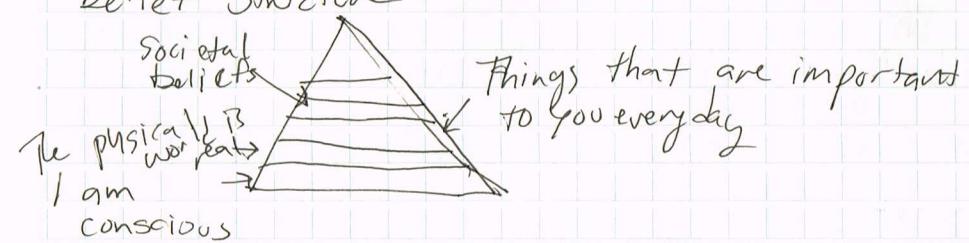


order & chaos & entropy

1. Selfish gene
2. Hair
3. Spotify, roads / society, education
4. language
5. Understanding Entropy
↳ chemistry in university
6. Entropy in Information Theory. ??

- IS belief an abstraction of the world.

belief structure



- Is intelligence just making order from the environment

APR 08 2024

- 8hr of Internal - churning butter for 8hrs a day
↓
replicate this.
- starting tmr → the only external stimulus should be
↓

1. work | That's it
2. learning
3. Reading
4. exercise?
3 months.

- External → Internal

- work
- learning
- Reading

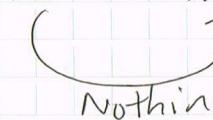
9-5

- Internal → External

- writing

5-9

- Internal → Internal



19-12

- Tmr !. when working - only ~~work~~.

2. one hour of reading
3. one hour of learning
4. one hour of writing
- 5.

APR 09 2024

- energy → order.

APR 10 2024

APR 11 2024

- Read 1hr
- learn 1hr
- write 1hr.

Meaning in life - Victor Frankl

- wishes to do what others do
- does what others wish him to do

maybe there are categories of belief/knowledge

1. Subconscious belief
 - a) Physics
 - b) Social/cultural
2. Conscious belief
 - a) learned beliefs based on experience - Physical
 - b) Social/cultural

Finish by this week:

- 20 datasets
- Finish book
- Learn the course
- DRNN
- Write chaos order

Pipeline for order and chaos & Entropy and Systems

1. What is Entropy? ✓

- a) hair
- b) define Entropy ✓
- c) history of Entropy: Thermodynamics ✓
- d) back to hair ✓

↳ notice other things around me.

2. Entropy in systems (any system)

2. Entropy and Evolution

- a) Selfish gene → evolution
- b) push back → against entropy
- c) Schrodinger's cat/die.
- d) Energy → ↓ Entropy ↑ order

3. Entropy in Systems (any system including social)

- social entropy
 - a) Societal (governments, infrastructure, capitalism and McDonald's)
 - b) Social (cultural propagation, religion, generational differences)

c) Computers.

4. Entropy in language, math, Science, the nature of everything

- a) conceptual language
- b) science → Entropy ↑ order
- c) Individualism → meaning of life, belief
- d) Intelligence → conceptual / context umbrella.
- e) Information

5. Psychology & entropy

Jung → collective consciousness.

6. Entropy and Addictions

- a) Movies vs books.

↳ order = ↓ degrees of freedom

7. Entropy & literature

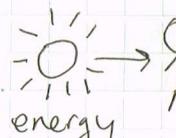
- b) context umbrella.

Research For ENTROPY

1. Thermodynamical definition of Entropy
2. Historical context of Entropy
3. Selfish gene
4. Arguments against Evolution because of entropy
5. Resolution of that → Schrödinger's bowl.
6. Personal experiences → Hair
(Anecdotes)
 - Roads etc
 - Generational
7. Social Entropy - I don't like Anthropomorphizing
8. Cultural Entropy.
9. Entropy in science / math / AI / language / intelligence.
10. Entropy in meaning / Some sort of uplifting ending

1. Thermodynamical definition of entropy

APR 12 2024

- with everything I think I seek the lower levels of abstraction before the highest
 - ↓
 - It's not that I can't operate on the highest it's just I need to know how the higher levels of abstraction
 - People will be against something and then try to reinvent the wheel, but when doing that they don't realize that they will actually reinvent the wheel.
 - $E=mc^2 \rightarrow$ Mass is Energy
 - ↓
 - how to define a system
 - ↓
 - moving through the world.
 - If I as a physical person stop making the world more ordered
 - ↓
 - it will release into the world as spontaneity like physical things
- 

energy

more ordered world

released as spontaneity

that's bad for an ordered world.

Predictive Processing

→ maybe our predictions are more ordered?

↓

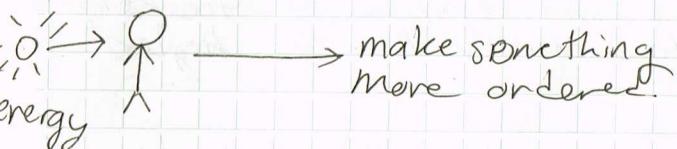
less costly.

then info from the environment.

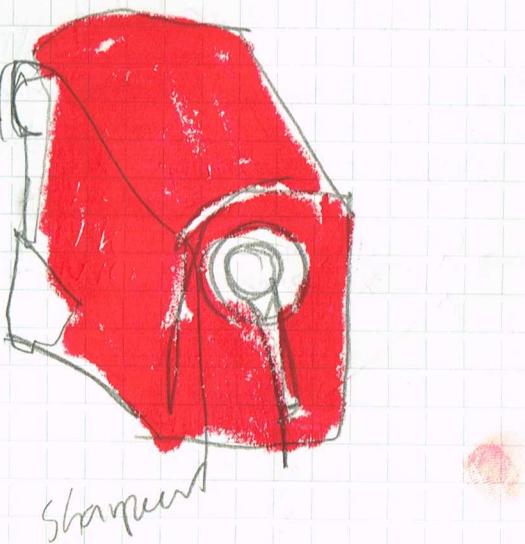
Percolation

- male model of chaos.

APR 14 2024



- I can't operate at a high level of abstraction if I don't understand the lowest level of abstraction
- I watched Kingdom of Heaven and I think it's one of my favorite movies
- I need to acquire as much knowledge as possible.
- chores are similar to the Hunter Gatherer lifestyle.



APR 15 2024

- intelligence -

- Marcus Hutter - Imagine a library with all possible books. First book is AAA... and the second is BBB... - the total library probably has 0 information, but if you take a subset of the books, holds a lot of information

Disorder

I keep imagining myself dissolving into pixels.

↓
to 100 percent grain if you will

Order (percolation)



Imagine an equation

↓
a little bit of energy in a computer that creates order

↓
and ten years later, billions of billions of years later → there is the universe.

- Information is just a subset of (everything) (every possible thing) (pure disorder)

- write a book → take everything: pure disorder
↓
a book. ← Subset of pure disorder
= information

- If I read the book and I understand something about the world \rightarrow intelligence.



Context umbrella.

- Turing ~~machining~~ complete



- something that you can make itself in itself.

- If life is turing complete



we can make life

- Noise \rightarrow noise is ~~is~~ free will

\rightarrow noise is everything



- a subset of noise?

- noise \rightarrow ordered is free will

- I am noise.

- Wordle is just a subset of noise

E	Q	U	I	P
S	T	O	R	M
S	L	A	N	K
S	W	A	N	K
S	H	A	N	K

J	W	A	N	K
S	K	A	N	K
S	C	A	N	K
S	H	A	N	K

ONE WEEK

- Mastermind
 - > Code it, review code
 - > Min max
 - > Combinatorically calculate number of solutions left
 - > show its NP-complete
- Compare Mastermind to WORDLE
- One week of NAND to Tetris
- Learn about Entropy
- Spirographs.

APR 16 2024

- I had a dream where I create a simulation, a world based on one equation and its mostly just grain on a screen

Then the big bang happens
and a universe is created
Then a world and a life

I made a world
but from flowers someone is trying that made my world

↓
You made that world.
It's ugly.

1. Energy in a system ↑ order ↓ Entropy

2. Braid your hair → ↓ states

3. Straighten hair → ↓ states

4. Hood ↓ states.

- smaller than the sum of its parts

- smaller than what it creates.

maybe it's like what Marcus

utter said like

if I take a subsection
of DNA

that holds more info than
the whole thing

- Information is a subset of everything

↳ a cat was there at this time

↳ $2+2=4 \rightarrow$ math a way of describing
the information

APR 17 2024

S H A N K
B R O T H E R
H D G H T
P L C H Y

- when you thank people /
pray for food

↳ H forces you to think
of a low level of food
in stead of a high level
understanding of
Abstraction of food
so we keep it --- fresher
with

→ chaos + (cellular Automata
but for the physical
world)

time.

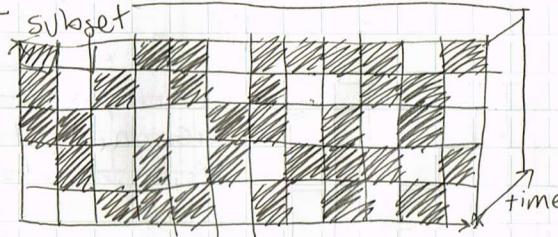
- two dimensions (three dimensional world)

- each pixel influences pixels around it

↓
may be chaotically

- overtime

- subset



noise is
discrepancy
from what
is really going
on

↓
but it's actually
exactly what is
going on.

the goal is that
overtime

↓
we see aggregations

- each pixel has RGB

↓
But we will start off with BW values (1,0)

↓
for us every "pixel" in an atom which
is like the screen of the 5th dimension.

1. create double pendulum

2. → read chaos book → make chaotic equations

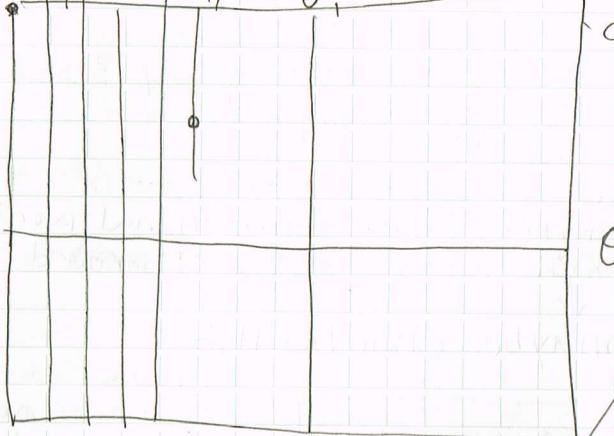
3. create ordinary cellular Automata

4. create "RULES" for a new cellular Automata
that influences the pixel beside it

5. create a simulation

run it for a long time.

string, color is O_1, O_2 overtime.

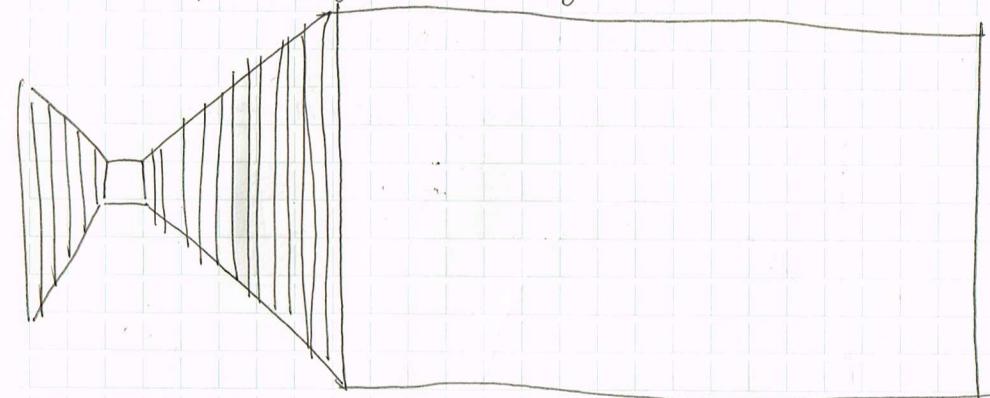


$O_1 > 0$
 $O_2 > 0$
 O_2
each pixel
Same m, L
but O imm
& begin
each pixel is
assigned a unique
 m_1, m_2, l_1, l_2
the m, m_2, l_1, l_2
over time
Influence time.
the m, m_2, l, l_2
of the pixels
beside it
 m_1, m_2, l_1, l_2
which is how
we do this.

- I bet english has a lot of groups of us
other languages.

ST, TH, CH
SH, DH, FH
Somehow in english its not reductive
like tamil in terms of reading.

compare English literally & phonetically



- the noise makes the system
defiens.

which is the reverberations ~~abs~~ of how
atoms hit each other

which is basically
cellular automata

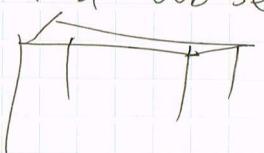
- 2D easy

- everything is changing all the time.

- From To Day To Friday DONT SLEEP.

- a subset of the total thing
concept
a table isn't the physical thing

but a sub set of ~~of~~ the table
1. legs
2. hold things.



CHAOS

X - rabbits

r - growth rate

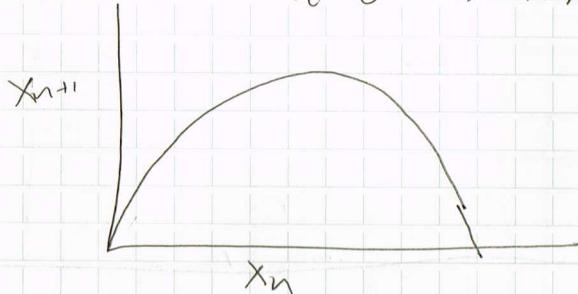
$$Y = rX \leftarrow \text{exponential}$$

$$rX(1-X)$$

constraints of maximum.

% of theoretical max

goes to 0 as it reaches max



MANDLE BROT SET

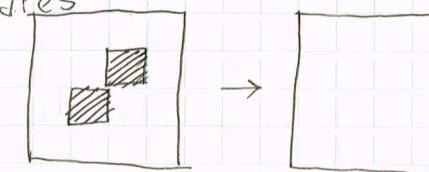
$$Z_{n+1} = Z_n^2 + c$$

$$Z_0 = 0$$

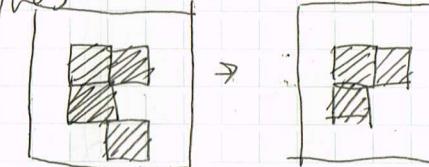
I pick any complex number

CONWAY'S GAME OF LIFE

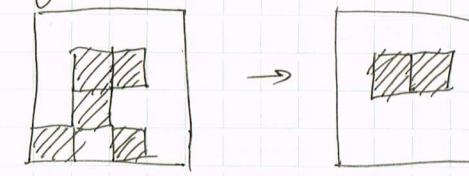
1. any cell with fewer than two live neighbours dies



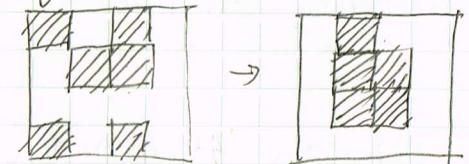
2. any live cell with 2 or 3 live neighbours lives



3. any live cell with more than three live neighbours dies (over population)



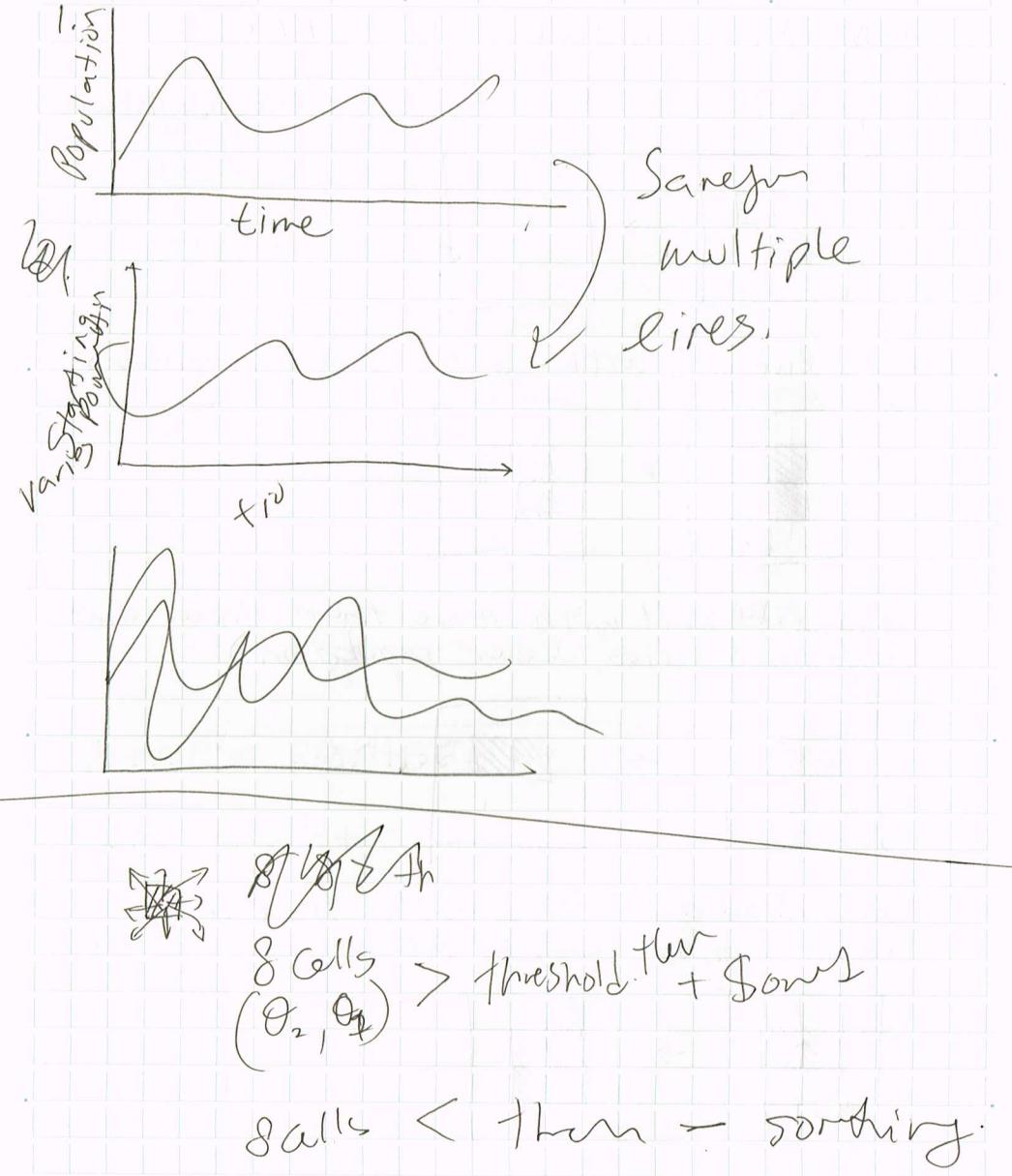
4. Any dead cell with exactly three live neighbours ~~dies~~ comes to life (reproduction)



- undecidable - initial pattern and later pattern
no algorithm exist that can tell us if
the later pattern is going to appear
given an initial one.

→ graph X_0

Line



APR 18 2024

- Can you compress a chaotic system?
- that rule who made the conway game of life computer
 - ↓ he can predict the future
 - ↓ b/c its NP-complete?

APR 26 2024

② Double Pendulum

- 1. explain the mechanics
 - ↓ derivative
 - RIC4 Integration
 - + reuse all all approximations
 - I saw a video → lost the video
 - recreated the file found the video
 - ↓ show gif
 - explain mechanics ↗
 - ↓ explain code ↗
 - show final result.
- and,

① finish write APR-CD

DFIS

CONV-ON

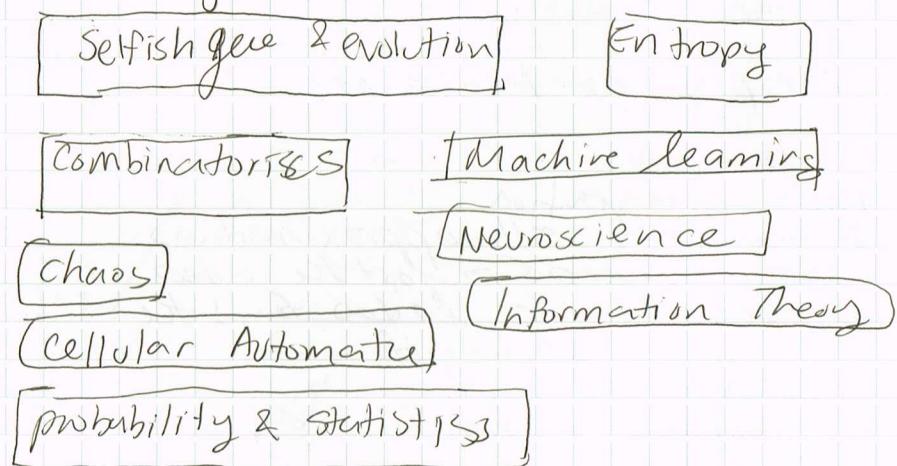
② End up permutations & permutations,

③ Apply for jobs.

APR 22 2024

1. APCP CO → packages
2. WDS-YT
3. choose m → explanation
4. Umen → types of papers.
5. Brain lab Job. → competing
6. Blindness
7. unite
8. Conways game of life.

MAP of things:



everythings chaotic

measure chaos = statistics

APR 23 2024

- Genes and fractals geometry
- Intelligence and categories

APR 24 2024

- Movement → should help us understand more about our screen
↓
how we perceive movement in our brain can tell us the nature of moving
- structured movement → order
- controlled movement → order
complexity
→ create life against the second law of thermodynamics.
↓
Sean Carroll: wrong, Surfers riding the wave of increase in entropy. We rely on increasing entropy to survive.

table → maintain stability → mechanically molecule
humans → stability dynamically forces

hood water air
↓
burn it
↓
↑ entropy

steady
non equilibrium quasi state systems

- measure complexity?
complexity ↗ entropy ↘
low entropy
high entropy

levels of Difference

level one - everything is one thing

level two - There are two types of physical things: ie something & nothing

level three - The "something" in one of the two things, has many different categories of things
↓
different types of atoms → water cycle
Rock etc

level four - there are groups of atoms that work together ie Rock a cell
State a bacterium etc

level five ↗ move through the world?
↗ groups of groups come together to form a larger group
↳ eukaryotic cells organisms

level six - (the groups of groups) → group form a larger group
↳ society / village level.
(monkey, ants etc)

level seven - conceptual group
↳ language (intelligence)
- preserving the groups of stuff

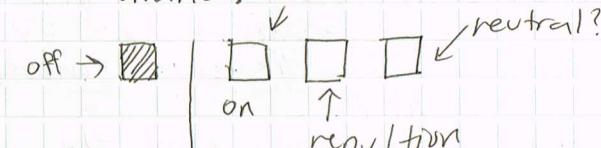
theory → 1. movement is important to finding out the nature of reality
→ 2. groups are fundamental in understanding intelligence. (differences)

- one apperation → hate - Anthropomorphizing
or appretion → does it

CREATING A #UNIVERSE / CONWAYS GAME

1. level one → one thing
2. level two → two things
3. level three → one of the two things has many levels

↓ atoms? attraction



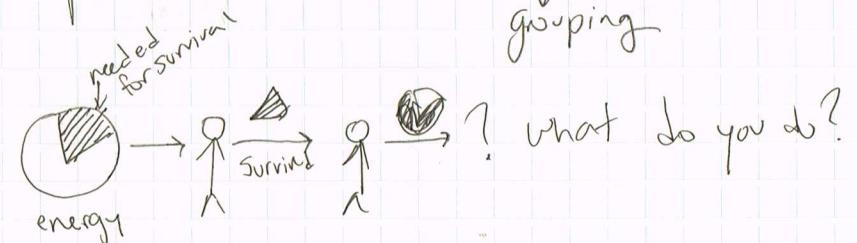
* goal: many of one thing aggregate together (some sort of gravity)
↓

but the pixels don't move!

* = look at that guy that simulates like a cell
↓

apply it to Conways Game of life.

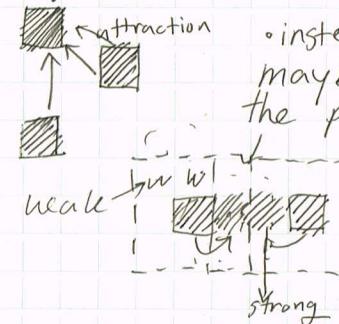
→ level seven: when everything is grouped to the max (physical). So food, water, sex, survival is all attainable through a structure where you don't have to do a lot of work / expend energy, we start ordering how we perceive / contextualize the world.
grouping



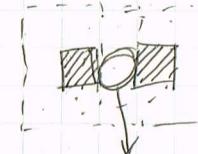
ORDERING MY BRAIN

1. write Entropy : goal order my ideas about entropy
2. computation : mastermind, wordle
 - ↳ write out what you learned about Mastermind
 - ↳ min max → how that's not human
 - ↳ how to solve it 'humanly'
 - ↳ NP completeness.
3. Simulate cells : simulate cells to understand the equations involved so you can put them into Conways game of life.
4. Conways game : understand how the things of life 'move' across the screen.
5. RNN : learn about word RNNs and try to solve wordle using RNNs.
6. Double Pendulum : explain and show and simulate
7. Statistics : statistics is just measuring chaos.
8. ATP how our body uses energy vs. writing.
9. Writing : writing.
10. Percolation :

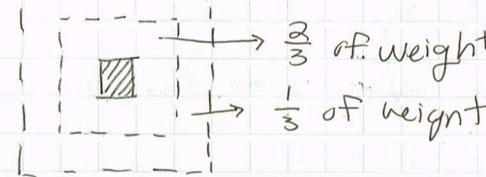
This particle has a weight



instead of moving to maybe its just really affects the pixel beside it to change.



\ average of around it?



number from -1 to 1
APR 25 2024

- hard Science computing

Machine learning.
soft Science social science

hard
math

↑
you are here.
hard
subjectivity

When your broken you like to start over and over, because higher levels of abstraction are hard to

APR 26 2024
APR 27 2024

DO MORE

- I found an error with my previous code
- how do make writing about more interesting entropy.
- I would bury myself everywhere in a while

↓
Reasonable = - where I was a kid ...
- it seemed so obvious then ...
but I never understood it
- I had an epiphany in a physical democlass → maybe I + didn't solve all the big questions I had but ...
- Saramago - why does his writing move its smooth.

APR 28 2024

- 1: Writing / order for every job you apply for.
↓
One a week.

Jobs

1. GIS Job → how ESRI works
→ history
→ at work.
2. NeuroImaging Jobs → Machine learning
dataset w/ neuro imaging.
- 3 Straight OS jobs → need to do → languages.

APR 29 2024

- I can write about my theories before proving them
↓

Theory → Simulation of a 2D universe
↓

The 2D world → If they become sentient
can find their own laws of physics
↓

but those laws will be restricted to the physics / physical law of the machinery that's conducting the universe

MAY 4 2024

Entropy

Theres this idea that's been floating around in my head. Every time it comes up I always write it down somewhere. Here's me recollecting all that and writing it cohesively:

1. Hair

When I was a kid I never brushed my hair and my hair was really curly. I never understood why you had to brush your hair just so, it would become tangled again later on. In fact, why did people bother folding clothes too or just so it would become disorganized later on anyway. What was the point?

I may not of answered any of those questions (the question basically being "why do people do anything? In general pretty loaded question if you ask me) but theres this idea that kind of addresses it. Some purely scientific idea of why people do things which has helped me slightly in keeping a better handle on things.

Anyways, its about entropy.

I learned about entropy in my second year ~~chem~~ physical chem class. How people define entropy is very different for different people. The way ~~it~~ ~~was~~ ~~is~~ colloquially learned was: taught entropy was that it was the study of disorder, but in my opinion ~~this~~ disorder is just what does that even mean anyway. I like Boltzmann measure of entropy using statistics & probability (I'm a clairvoyant I'm not an expert and frankly did pretty bad in this course despite it being my favorite course).

2. Entropy: Thermodynamics

I think the idea of entropy came about when people realized that there are some things that happen, that don't really happen due to a 'force' or 'energy'. An example being simple diffusion: dye molecules will spread through water even though there is no underlying energetic driving force. I think this idea came about because of ~~of~~ heat engines but I don't know too much about that (but I do know heat is an important thing, I may come back to that later).

~~Their thinking didn't realize what entropy rules~~

The idea of entropy has to do with a bit with combinatorics (which I conveniently took in year 4) so a bit of math now.

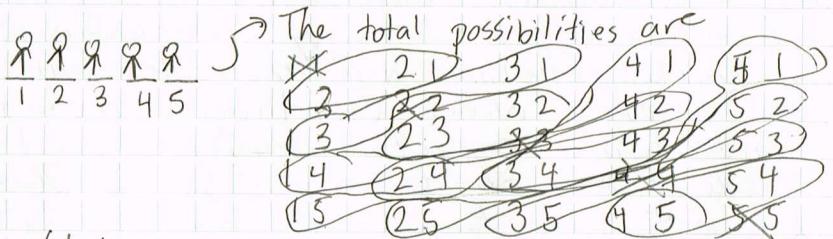
To understand entropy we need to do a little bit of combinatorics to understand multiplicity, which is the number of states in a system.

Imagine a square and 6 dots you can place on the squares

	0	1
0		
	0	
		0
0		0

* we cannot accurately predict something but we can predict an aggregate of results.

Imagine you have five friends and you are trying to figure out how many different ways you can partner them up.



The total number of these combinations
but notice how is just this:

$$5 \text{ options} \rightarrow \frac{5}{\text{slot 1}} \times \frac{4}{\text{slot 2}} \rightarrow \text{four options for the second slot}$$

first slot

$$W(M, N) = \frac{5!}{2!(5-2)!}$$

$$5! = 5 \times 4 \times 3 \times 2 \times 1$$

with repetitions =
with r slots = $\frac{5 \times 4 \times \dots}{r \text{ slots}}$

If we pick the slots from it would be

$$5 \times 4 \times 3 = \frac{5 \times 4 \times 3 \times 2 \times 1}{2!} = \frac{5!}{2!} = \frac{5!}{(5-3)!}$$

If we don't want the duplicates, we can if we circle the numbers that are the same its like we are circling ~~the~~. How many ways there are to organize 2 of them which is $2!$

We are more concerned with the total

Entropy is this invisible force that tends towards an increase in multiplicity.

And probabilistically favours arrangements with the multiplicity in ~~the~~ highest.

This just happens to be the arrangements that look more disordered. Consider

0	0
0	0
0	0
0	0

vs

0	0
0	0
0	0
0	0

8

or

16

has higher multiplicity.

- So we want to maximize multiplicity

$$W(M, N) = \frac{M!}{N!(M-N)!}$$

- If you know any calculus =

$$\frac{dW}{dN} = 0$$

$$\frac{d \ln W}{dN} = \frac{d}{dN} \ln \left[\frac{M!}{N!(M-N)!} \right] = \frac{d}{dN} \ln M! - \frac{d}{dN} \ln N! (M-N)!$$

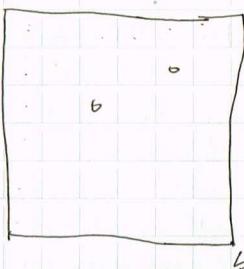
$$= 0 - \left(\frac{d}{dN} \ln N! + \frac{d}{dN} \ln (M-N)! \right)$$

$$\Theta = -\ln N + \ln (M-N) \rightarrow N = \frac{M}{2}$$

$$\ln N = \ln (M-N)$$

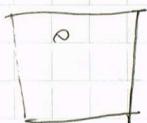
$$N = \frac{M}{2}$$

- imagine a



And I can choose
a number of
particles

1, 2, 3, ..., 35, 36.



Which one would have the
max multiplicity

$$M=9$$

$$N=1$$

$$\frac{a!}{1!(9-1)!} = 9^4$$

$$M=8$$

$$N=2$$

$$\frac{a!}{2!(9-2)!} = \frac{9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1}{2 \times 1 \times (5 \times 4 \times 3 \times 2 \times 1)} = 9 \times 8 \times 7 \times 3$$

//

(maybe I should just use 4?)

- okay so summary → ↑ in multiplicity
↑ in entropy

naturally everything tends to an ↑ in
entropy

- so my hair now I realized that my
hair tends to chaos & tanglement because
everything tends to disorder or ↑ in entropy
ok so now I understand why skin of
there's still no reason as to why entropy has
to happen but now I know that things tend
to ↑ entropy

But then I imagine the atoms and molecules
that are bundled up to create me world
so they are also separate into the world is

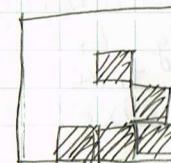
- (insert a something → fading in to disorder)
- but I am not sure how I'm persisting
- Now let's jump to first year life science.
~~the two words evolutionary biology.~~
In this course we had to read an excerpt
of the selfish gene by Dawkins.

3. Self Gene

- Side note: I actually read more Dawkins in my philosophy class than Biology class.
- another side note: I watched a lot of Dawkins Show appearances on popular TV and even when he writes he has this argumentative kind of writing which is interesting.

cellular Automata.

- When I first saw Conway's game of life, I thought it looked really cool. When I dug deeper I found people categorizing 'space ships' in the game. An example is this one.

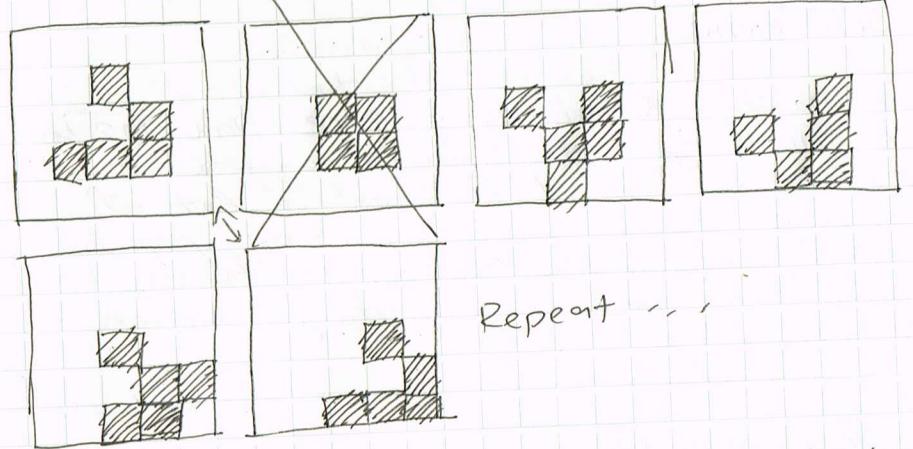


and it glides through the space

- Simple rules like Conway's game of life give rise to very complex behaviour. It made me think of cells and how humans derive from 1-2 cells.

- I thought maybe we are just cellular automata governed by rules. If I could make a sufficiently complex 2D world, it should prove for probability that we are in the computer - P vs H being which is a 50%

Then I realized something else. Humans are so very good at anthropomorphising things and objects around them. Including 2D space ships. The spaceships in Conway's game of life aren't actually one thing moving across the screen



We are anthropomorphising the glider. It's not really a 'glider', it's not one thing that travels across the screen. It's just a set of rules to dictate the next pixel in the time frame.

I imagine if we were the product of 4D beings watching us and us we are nothing but a set of rules on the screen. Maybe true physics is ~~about~~ figuring out how one 'pixel' affects another in this 3D world.
- It's a fun way ~~to~~ think about the world.
- Also another thing, if I make a 2D world which is sufficiently complex, there are little 2D people who can react to their surroundings and perceive it. But can they get ~~so~~ complex they can perceive the screen they are on? I don't know. I don't think so.

What can a 2D thing learn about the 3D world? ... that we can understand

$$A \frac{1}{1} B \frac{2}{2} C \frac{3}{3} D \frac{4}{4} E \frac{5}{5}$$

$$A_1 B_2 C_3 D_4 E_5$$

$$100 \text{ choose } 5 \quad W(100, 5) = \frac{100!}{5!(100-5)!}$$

- maybe I don't need to explain it mathematically

$$\begin{aligned} &= \frac{100 \times 99 \times 98 \times 97 \times 96 \cancel{\times 95 \times 94 \times 93 \times 92}}{8 \times 7 \times 6 \times 5 \times 4} \\ &= 10 \times 33 \times 98 \times 97 \times 24 \end{aligned}$$

$$A \frac{1}{15} B \frac{1}{15} C \frac{1}{15} D \frac{1}{15} E \frac{1}{15}$$

$$A \frac{1}{2} B \frac{1}{3} C \frac{1}{4} D \frac{1}{5} E$$

$$5! = 5 \times 4 \times 3 \times 2 \times 1 \\ = 120$$

MAY 06 2024

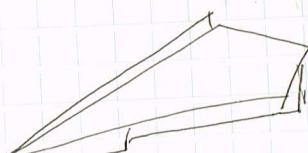
There are more states in which my hair is more disordered than ordered - to keep it in an ordered state I have to expend some amount of energy.

07 MAY 2024

- I became so tired today beyond anything I've ever felt before. I'm lying / thinking

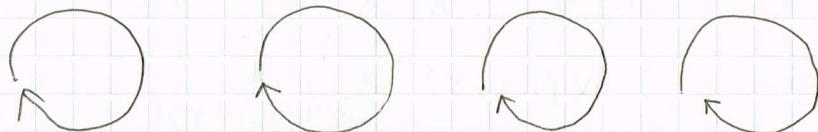
08 MAY 2024

- Things are once again interesting



PLANE
usually you ~~act~~ → people see do
↓
extrapolate info
me → I act → people see act

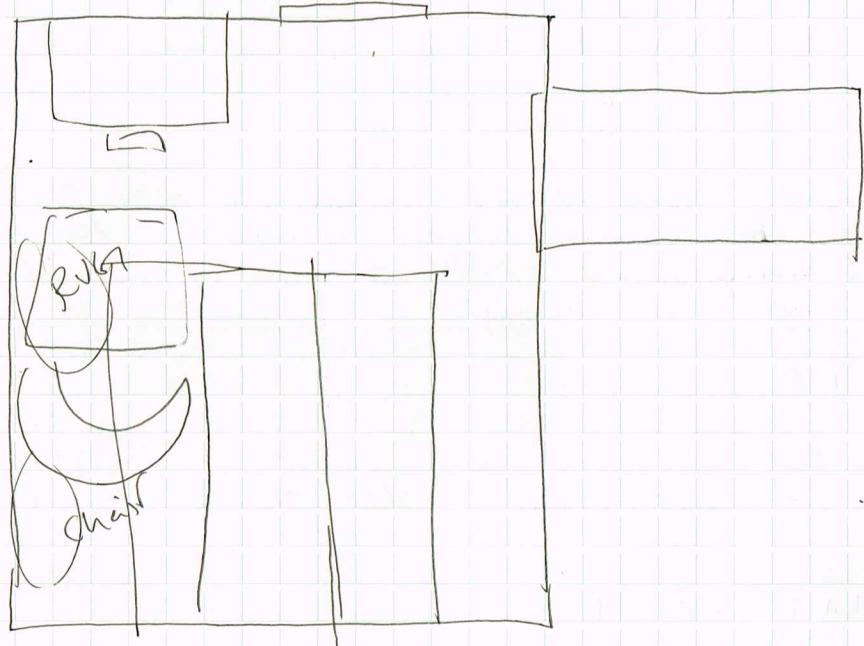
09 MAY 2024



everyday is a repetition

But theres a longer line, a plot line.

↓
Thats you



MAY 24 2024

To do

- 6 more data sets
- organize ERIS STUFF → Streamline queries.
- Apply to that job.
- Email people.

MAY 27 2024

- Today I died. From now on I'm dead.
Up

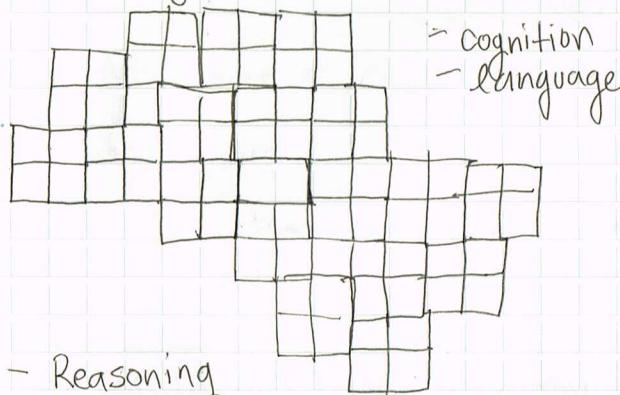
To do:

1. don't sleep until you finish SPL ME, LUST ME & ~~LUST ME~~
2. NAND to tetris
3. Review Deep learning
 - get dataset → SPL
 - Set up for learning
 - Set up portfolios
 - load procedure
4. Apply to data analysis job
 - SPiro graphs.
 - cellular Automata.

MAY 28 2024

- it's just something you do
speech recognition
Context umbrellas

- Categories → what is the difference



- Reasoning

- Multi model

when I go home:

- SREG - BC

- DL ME

- LAST ME

- LUST ME

- PST - NS

- PPAS ME

= Review Deep learning

- Apply to NLP in job

- one hour of cleaning

- NAND to Tetris

- Read Neuroscience papers

- Machine learning papers

- Recurrent Neural Networks

review stats

31 MAY 2024

- This or that → binary information
is so important.

↓
It's the basis of all information.

- experience = computation (local computation)

1. Review Deep learning / Calculus

2. MNIST DATA SET → Machine learning

3. Address Cleaning → learn about RNNs

~~DRP~~

Entropy → more disorder

→ most likely state

probability distributions of discrete events.

More detailed list:

1. Deep learning: 1 hr

- review what I did in the past

- coursera

- Replicate MNIST

- Read Ian Goodfellow's book.

2. Entropy: 1 hr

- write theory

- read about it

3. Review ~~RNN~~ RNN:

- learn about RNNs, SPL Dataset

4. Create portfolio

- take the easy way out

- absorb information

5. Mastermind

6. SPIRO Graphs

7. NAND to Tetris

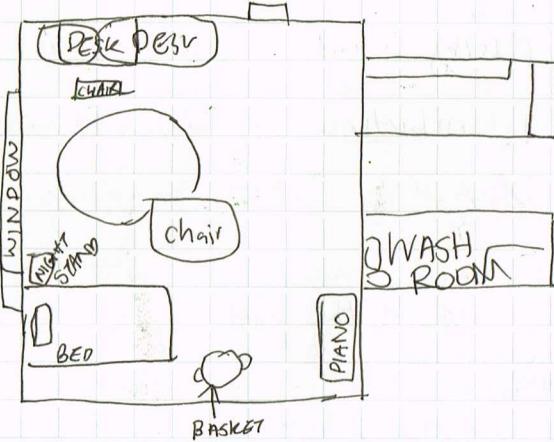
1 JUNE 2024

- "human consciousness an integral part of science"
- There is something about computation that makes us look at the world differently
yes
↳ categorization → this or that.

5 JUNE 2024

- Dragon Fly flight
- Lyapunov Exponent →

MP ROOM : BLENDER.



- Read that Math is a science or Art thingy.

- cinematic start

↓
traumatic moment

↓
the most weirdest garbage

↓
I think about the weirdest shit when I think
about drama

06 JUNE 2024

07 JUNE 2024

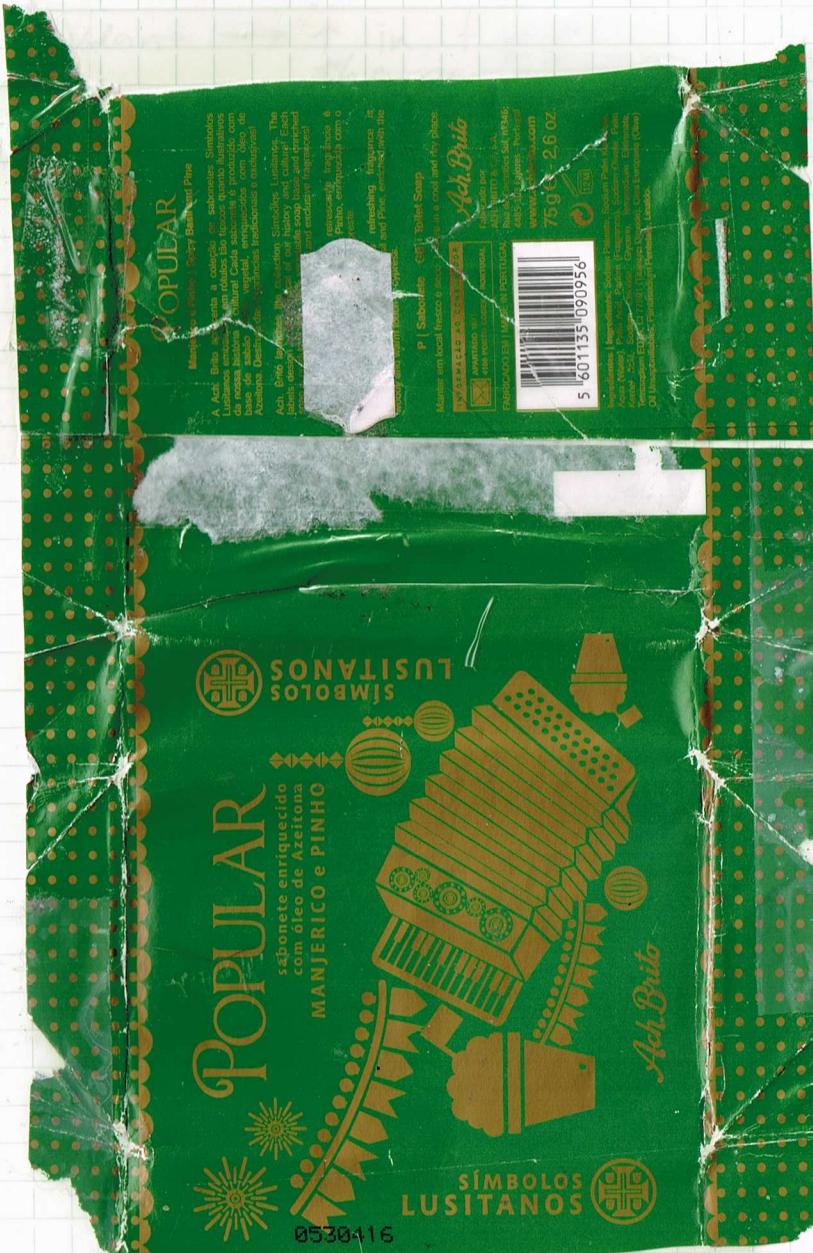
- gyroscope
- gimbal
- 1 PID controller
- oil painting → canvas → everything
- a marble plant.
- make an eye ball
- make an arm
- make a dragonfly

11 JUNE 2024

ROOTS



11/06/2024



14 06 2024

I am a ROBOT

HURRING

604.646.95 23183

Made in Vietnam

P1280621-1

© Inter IKEA Systems B.V. 2019

IKEA of Sweden AB
SE - 34381 Almhult

Design and Quality
IKEA of Sweden

2342-2

17 06 2024

JOSCHA BACH
YANN LECON
LE CROONIN
MARCUS HUTTER
GEOFFRY HINTON
ANDREJK KARPATHY
STEVEN PINKER
ALAN TURING
CLAUDE SHANNON
DONALD HOFFMAN
NOAM CHOMSKY
CARL YUNH.

YOU ARE A ROBOT

21 JUNE 2024

Stimulant → ↑ in firing of neurons
sharpener charge?

blood flow areas of the brain
increases

Blood flow ↑ = Neuron fire rate
? increase ↑

when people
mention speaking
& say it's not
even worth mentioning
↓
possibly for aesthetic
response

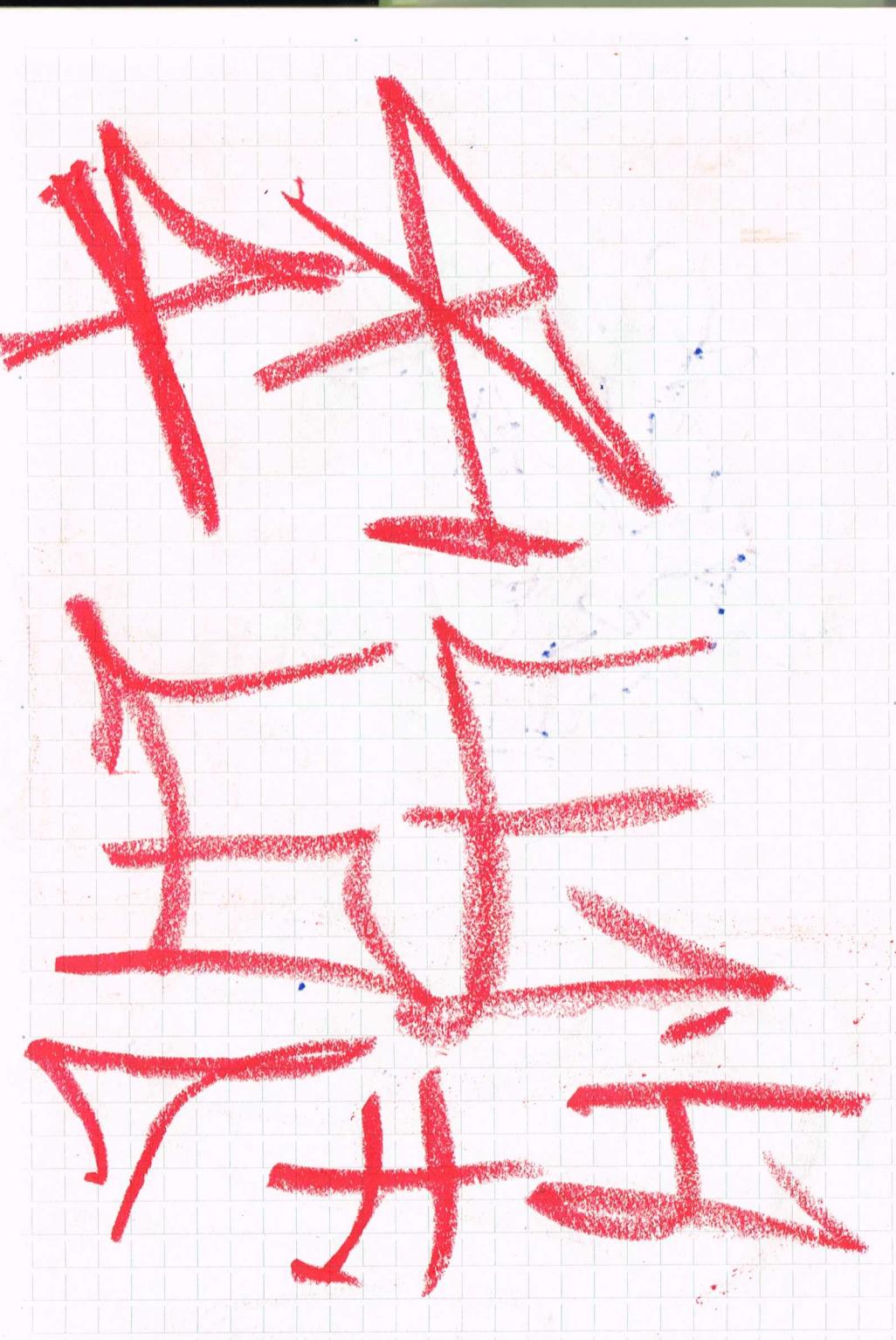


WHY SEE THE
WORLD
WHEN YOU GOT
THE BEACH

WHY SEE THE
WORLD
WHEN YOU GOT
THE BEACH

COMPRESSION





~~Meeting~~



2024 06 24

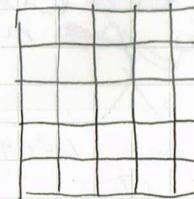
1. WMIS-QC
2. APCP-10
3. SPL-IA
4. CNN → Put on website.
5. Review → CNN Coursera part
b. Firing rates in the Retina.

~~High~~
~~Top 95~~
~~50%~~
~~60%~~

JULY 06 2024

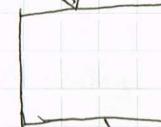
- I don't understand anything.
- I want to push my boundaries to the end.
mentally physically everything.
- everything

- nothing takes the path of
most efficiency



- Probably why we are conscious
beings → we are an abstraction
of an abstraction.

But really
SYSTEM makes this



makes this



This is Simplistic

example:

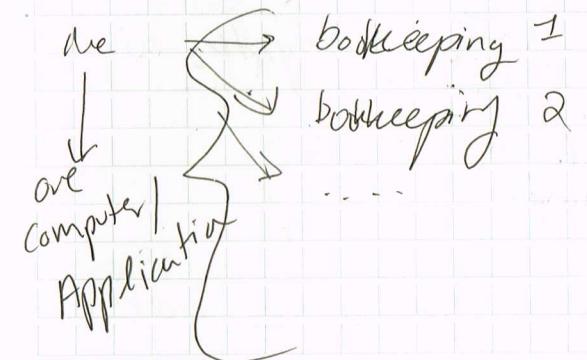
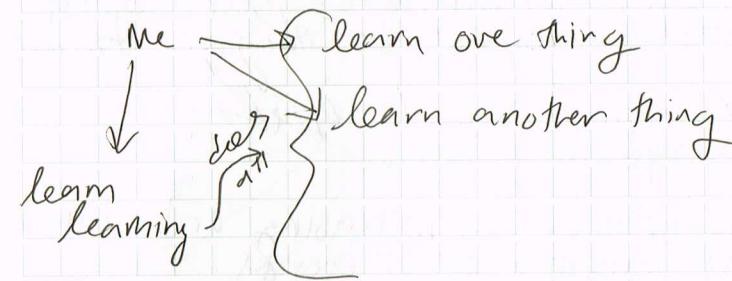
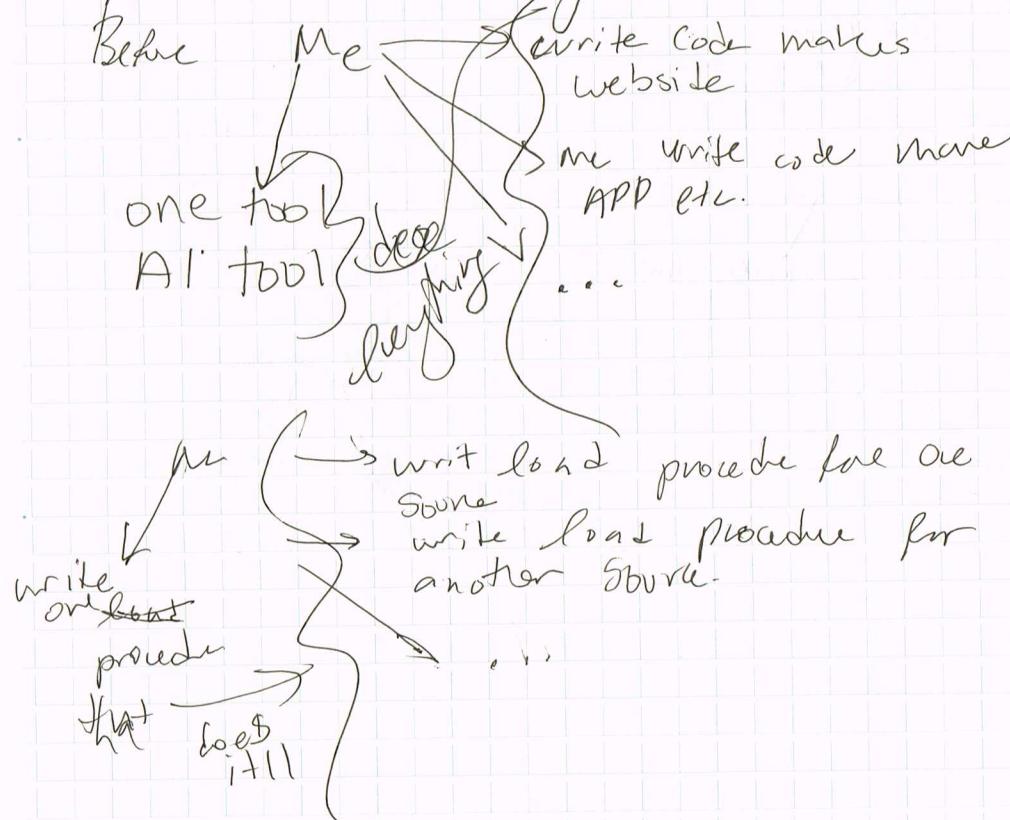
ME @ Work
make procedures
use procedures
for small
problems
execute

* at work I have to write procedures that load data from one table to a bigger table

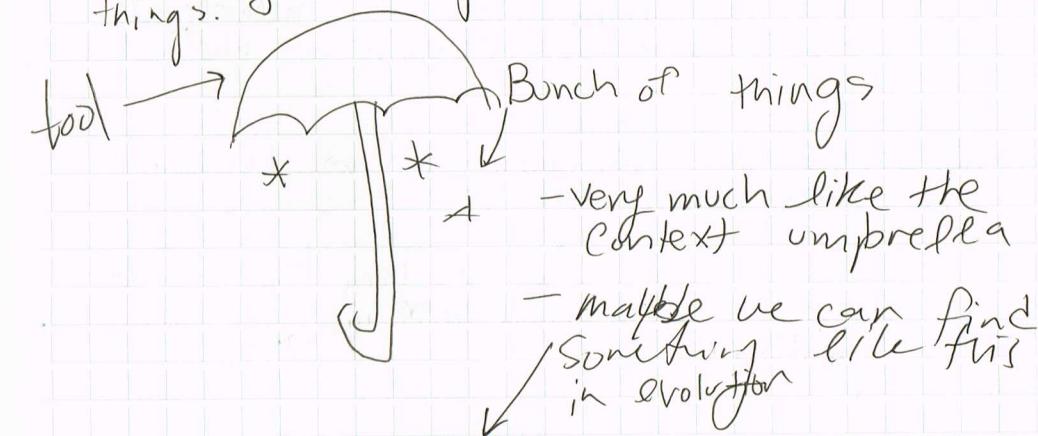
↓
But me being me wrote a ~~load~~ procedure that load procedures...

↓
But technically I can just write a procedure that writes an execute file procedure → no need to ~~put~~ my load procedures.

* the same thing is happening with Artificial Intelligence



- one thing encompasses a bunch of ~~other~~ other things.



- very much like the context umbrella

- maybe we can find something like this in evolution

one thing is many things → probably like many things I need to do less one gets that cheezy stuff!

- The tool that optimizes the often many tasks must be bigger than the faster original tool itself.

- making things optimized is increasing order which uses massive amounts of energy.

1. I need to understand how computers work
 ↳ NAND to tetris
2. Code so much more.
3. Simulate the retina
4. simulate the mind.

- this is literally how you increase levels of abstraction.

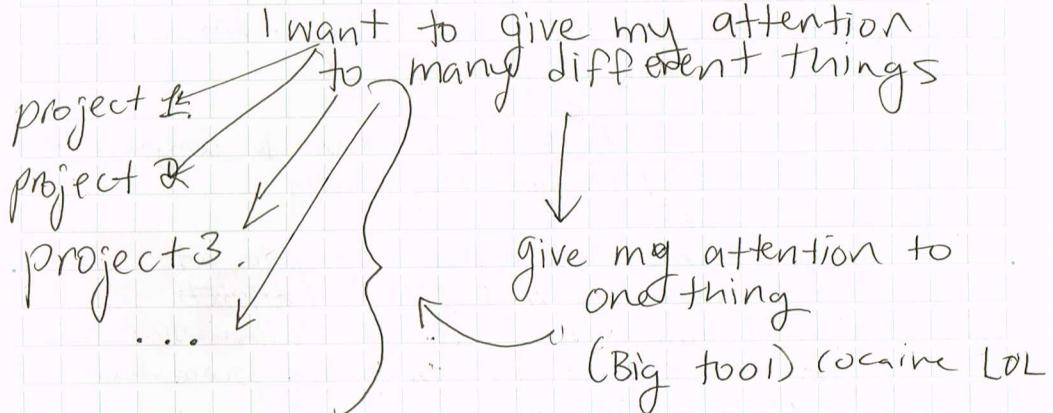
→ in terms of concepts once we establish baseline (things you do similarly our and over) → we are ready for an abstraction.

- sometimes this get boring for me because I witness the abstraction

↓
I see the thing happening over and over
and it kills me.

the abstraction of family, kids, career
lose everything so meaningless?
meaning is that apart of it too?

attention focus maybe treats part of it too



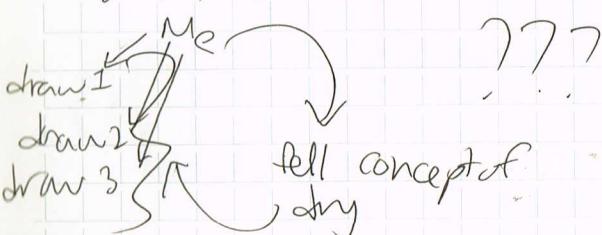
- collecting things and packaging things. I guess that will be even next to do.

- Watchmen I'm not sure if whatever I'm remembering about this is real

↓
- I remember distinct feelings towards it
- shocked when the cyanide table gets planted
- I read it over and over I remember
but I forgot what its about

Maybe that's how everything works.

I want to draw cell



watchman@1: JULY 07 2024

- everything about this task thing has me thinking about compression

we think information is compressed
but maybe not really

take my procedure example at
work so it's not that ~~that~~
am compressing all the information
in the procedures into one procedure

rather I am taking everything that's
similar and saving that in
one task and the redundancies are
manually done.

not necessarily compressing the data
but removing the redundant parts.

So when I have a set of multiple tasks

↓
See if there are commonalities, patterns
from

↓
This will help you compress if

JULY 10th 2024

- Imagine → creating the distortions of the
retina
→ using it to gain better vision.

Redbull

I BOUGHT MARKERS

I imagine wearing
glasses that gives
each ganglion group of
cells extra information
enough to decipher in
great detail the total
image.

2024 07 11

- I have these feelings like I want to have more more more more.

MORE

2024 07 12

- SO WE UNDERSTAND THAT ONE TOOL THE CAN DO A VARIETY OF TASKS IS INCREDIBLY VALUABLE. AND I'M SAYING THAT THAT IS SIMPLY EVERYTHING.
- TOOLS CHANGED US BUT WE ARE ALSO THE TOOL
- WHEN WE EVOLVED TO DO A NUMBER OF TASKS WE BECAME US.
- IT'S WHAT MAKES US INTELLIGENT, IT IS INTELLIGENCE.

- I want to be a person that can do everything
↓
which is sort of the point of everything?
∴ ∴ ∴

2024 07 13

- Password hashing - you can go one way but not the other.

2024 07 14

- I lost it, NO GOAL
//
NO Aspirations
Nothing
everything is paper大陸ing.
thin and hot being makes sense.

- LEVELS:
1. STOP THINKING ABOUT THE FUTURE
 2. STOP WATCHING MINDLESS SHIT. 30 mins a day
all forms of media
 3. FIGURE OUT WHAT YOU WANT

I've tried to explain how it feels to restart. And every time I pick it up or i don't know. I guess I don't understand how to get the point across. But I can try again and again.

One time I remember walking up the stairs in my house. I caught a glimpse of myself. In the mirror. Who is that? It's myself. It's me. It doesn't occur to me that that is me. suddenly I forget everything. All my passions, all my fears, the way I look at things disappears.

What do you care about what way I'm doing.

TVs are like watching what is biologically intended.



B R C I D 2024

2024 JULY 15

GOALS FOR THE WEEK

- WORK WELL
- FINISH WATCHMEN
- EMAIL 10 MORE PROFESSORS.
- START NAND TO TETRIS.
- CREATE AN OUTLINE FOR STORT
- CLEAN UP CODE FROM EYEBALL
- PAINTING IDEAS.

why are you here?

DO MORE

No people even really believe what they say

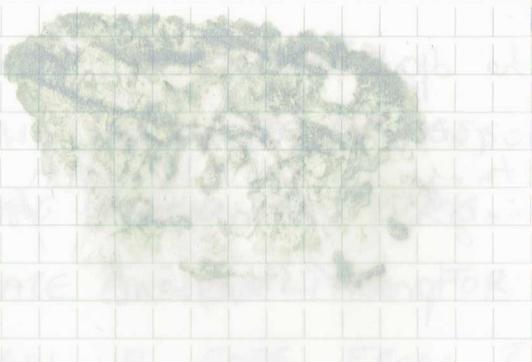
they believe that they believe in what they say

What do you mean.

If God comes down and says to do something to prove loyalty and he something is death would you do it you'd need proof? maybe.

what I didn't realize is that any belief the belief in God the belief in no God is paper thin. They don't exist. You believe ~~exists~~ that your belief exists. Your belief system is recursive its two levels deep.

What's my story about everything realy and nothing at all



TEST
RORSCHACH TEST

THERE IS NOTHING.

ASSEMBLY THEORY

JULY 18 2024

1. So I said before that energy into a system means order out

energy →  → order

The order can be many things like cleaning your house - or even creating something that makes more order.

2. We create tools that do a large variety of tasks. → more order. ~~that's~~

1a. Remember we developed stomachs and we found systemic ways to hunt and gather food which allowed us to put in our efforts elsewhere.
↓
making things more & more efficient & ordered.

We make streets and governments and cars and stuff

now the companies are more ~~more~~ ordered. they are a result of order and produce more order.

3. If you look at civilizations like ants and bees they do the same thing - large amount of individuals doing one task. task delegation

↓
That's what companies & governments do.

what is different then between us and

I want to create a repository of timelines of physics. → like all the papers.

Today I will work then do NAND. Then read figure out my PAINTING situation.

Do you think we are destined for a life like ants and bees?

I'm just testing this pen → it is quite good.

The goal is always to do everything but my heart hurts. like literally my heart hurts. If I'm going to die is my pursuit worth it. if I'm going to die soon is my pursuit worth it? The answer could be yes if I wanted it to be. OR it could be no if I wanted it to be what do I want it to be.

In Watchmen the whole ~~the~~ thing is about despair. Much like the Joker or Batman. Crafting a good story like is hard anyway probably more effort than anything.



SUICIDE IS JUST SOMETHING THAT PEOPLE DO

why do people hate work so much?

what would you do with your time
otherwise would you want to do that
all the time.

I DONT UNDERSTAND NOTHING.

Why am scribbling with a pink
marker in my notebook.

what could I rather do:

NOTHINH

NO MATE

ONES AND ZEROS

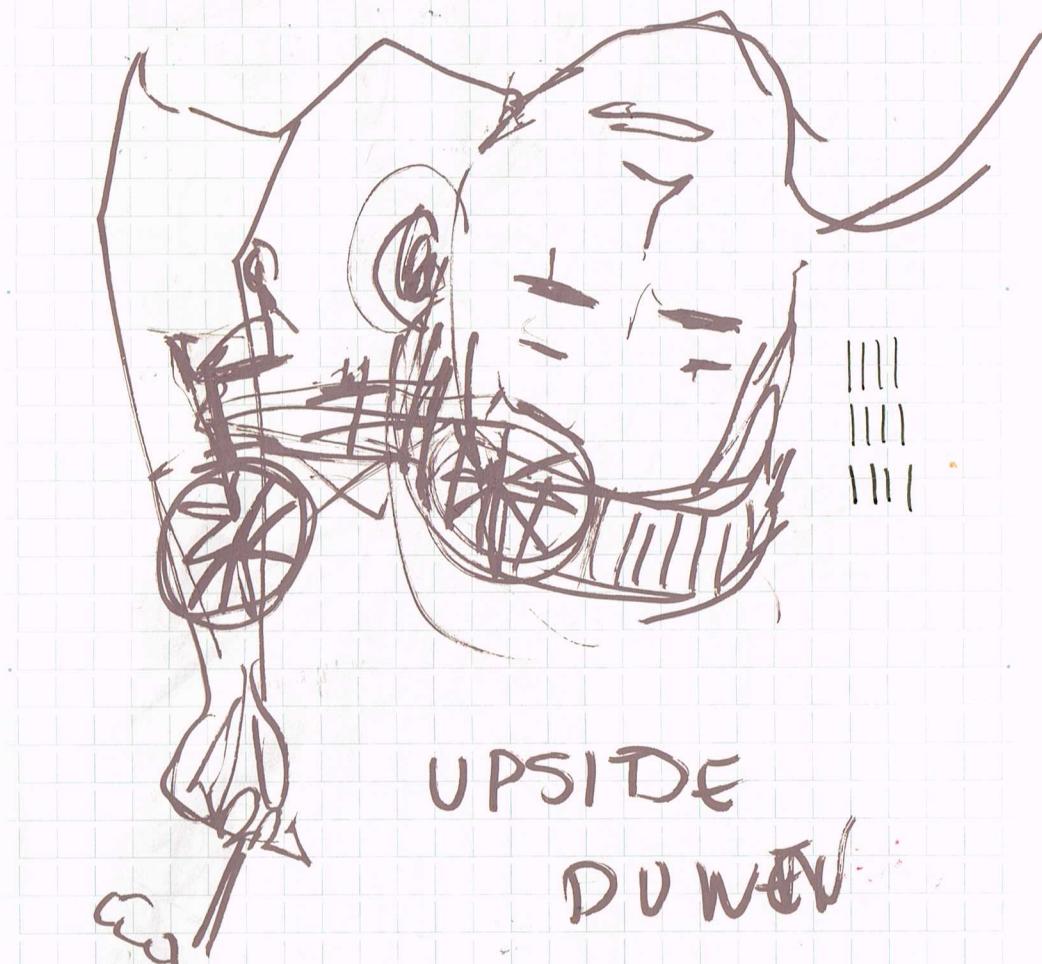
ONES AND ZEROS. HOW CAN
I CAPITALIZE ON ONES AND
ZEROS? WHY DO I WANT TO
CAPITALIZE AT ALL?

WHY - SIMPLY CAUSE
LIFE = DOING SOMETHING.

JULY 20 2024

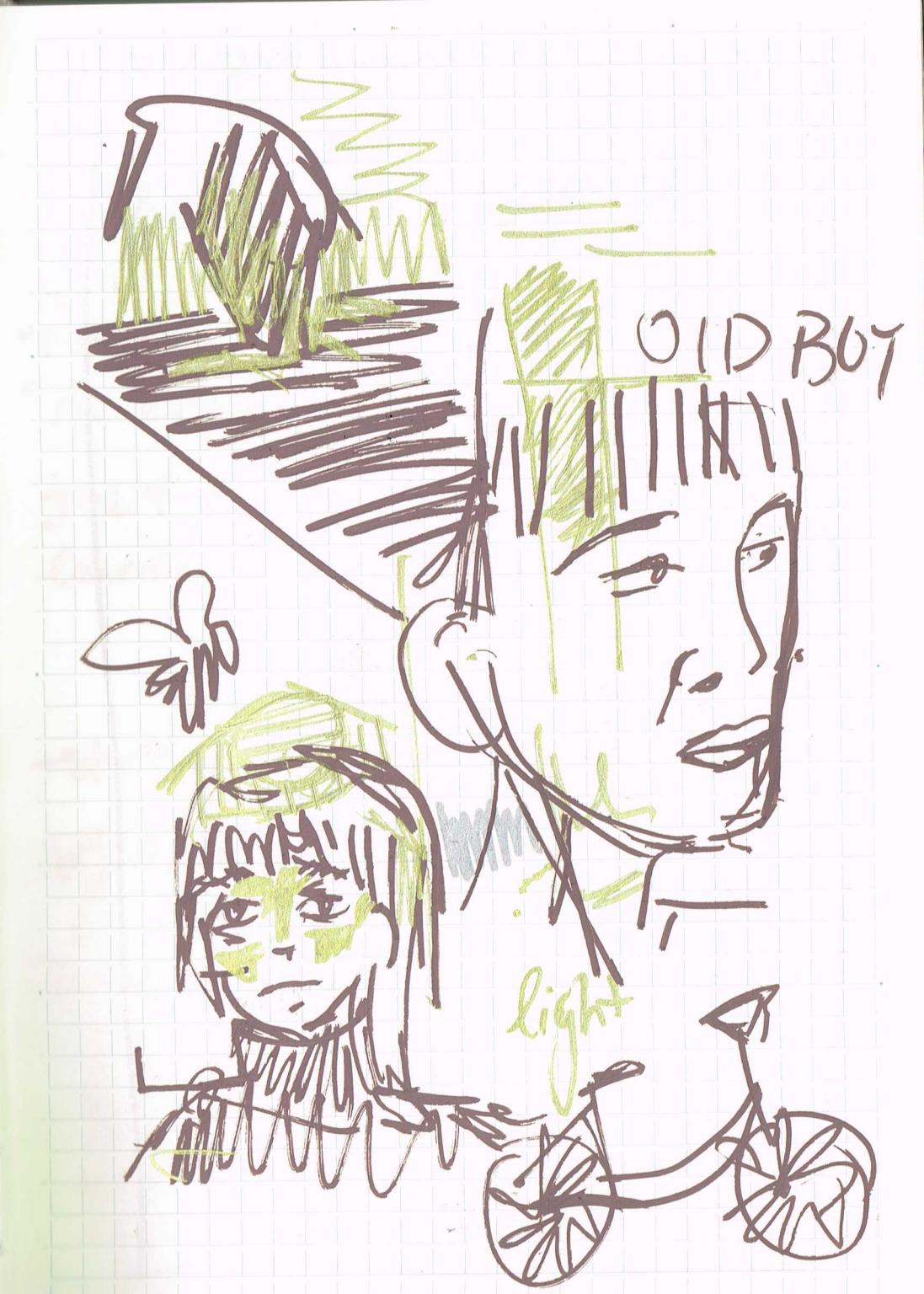
- with all the theories of mine maybe
I could write a book that looks at the
present as the past

right now we are making things more
ordered → and we have automated everything
the other people don't need anything → they
don't need to do anything.



UPSIDE

DOWN



JULY 21 2024

FIXED POINT THEOREM

JULY 24 2024

- Discretion is the biggest investment
- As aware as possible → NO MORE BRAIN FOG

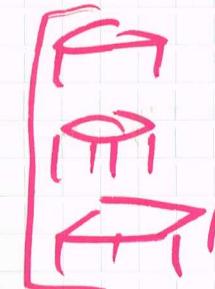
JULY 26 2024

learning → toddler vs adult

↓
up down approach
- start with large abstraction

big later on learn what they are

Table



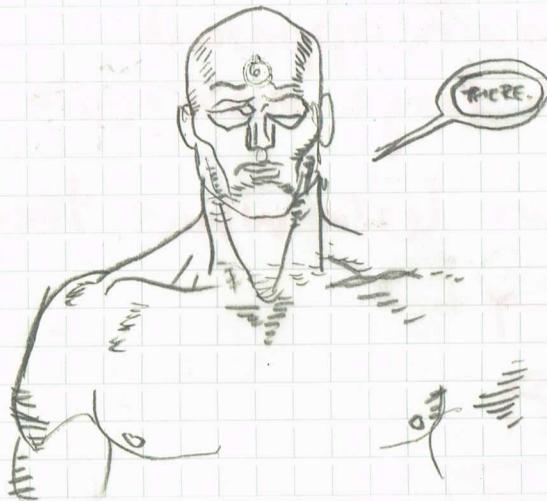
don't explicitly learn what a table is which is why building projects

ADULTS → down up

↓
learn what one
thing is and relate it
to other things

explains:

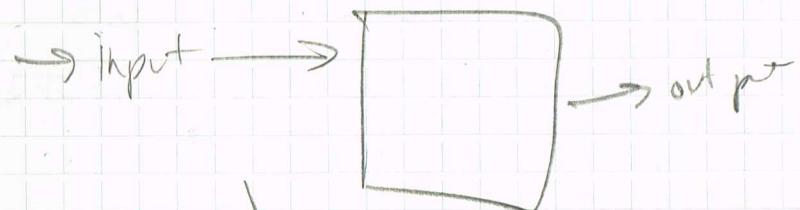
- children learn shit better like language
- babbling



JULY 28 2024

The algorithm isn't to get an output but simply how to produce information

↓
What patterns give me
information.



Initially it's random
but then it learns this
vs that

↓
How does it learn this
vs that
may be it guesses in patterns

right now we are getting information

↓
this or that

out put results.

but I don't think we have that
when we are dealing with

Ques how can we gain info
from random data inputs

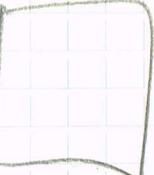
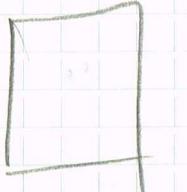
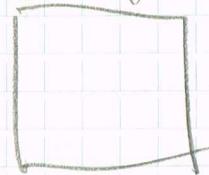
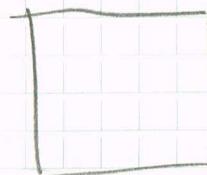
association

change

↓
boundaries

JULY 29 2024

1. create many squares of 1x1



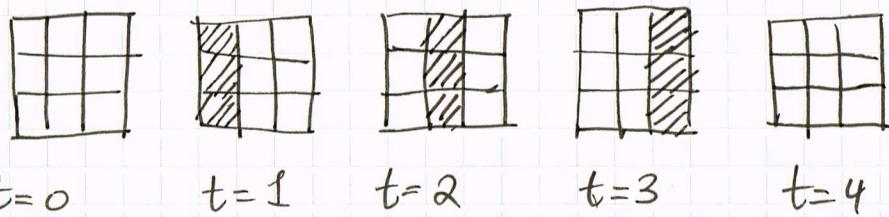
INPUTS

2. Random learning based on
biological models.

3. See with one works.

JULY 30 2024 ==

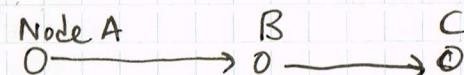
- If we have individual people
group things will not work.



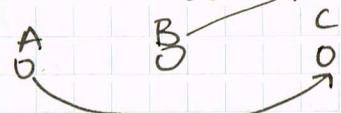
- another version where its in reverse
- top down and bottom up.
- The goal is for the system to learn to summarize similar information on its own.
- Part 1: there is a predetermined neural network
- Part 2: there is a growing or shrinking neural network.
- Question: how are the weights changing?
Rules:
 - there should be no back propagation
 - only local 1:1 changes
 - maybe we can try to embody like a learning network / learning circuit.

1. Review learning circuit (chemicals LTP etc)
2. Create a model of that. (once cellmodel)
3. Create several structures.
4. Create learning example
5. Apply it to all the systems.
6. Review the findings → see if any system can reliably learn something / group something in the circuit

examples I want to see:



short cut dies.



COMPRESSION

1. This or That
→ Tit for TAT
2. Can only make things that exist already
→ IO

I had a dream about a greek tragedy
it was called cannon

There was this king. Who realized that the only way to save his kingdom from impending war was to surrender. He thinks and thinks about how to not surrender but still reach victory. The time in which he is thinking is detrimental to his army on the front lines. He asks god to give him all the power to make his kingdom survive the war and I think God grants him powers of god to help save his kingdom. But with the powers of god he could see the future and the past, he could do ~~anything~~ but also nothing because he is bound by the future anyway. He feels a Macbeth like guilt for asking god for this because he can no longer die with honor and integrity. He is basically stoned by the powers he has attained. His Army general on the other hand is fighting the war to save his kingdom. He is heroic on genuine. The king simply doesn't understand how one can be simply and heroic. Realizing his heroism is a symptom of ignorance. He attempts to provide the general with all the knowledge to erase the ignorance to see if he will fail. The King wants to be heroic but not ignorant. All knowing but heroic. He realizes the general is no different from the blood thirsty Army → who just likes killing

They turn in to the same person. Both the General & the advisor. Crippling sadness? or maybe more optimistic. maybe even more tragically, they stay the same.

↓
how they change is also them.
Question can you make everyone the same?

or will they always be themselves.

What if you wipe their memories what if you wipe their biases. Will they be the same.

- All this time the war goes on. People suffering whilst he is contemplating. consequence of this new power is that he kill has to think.

↓

again its about belief. Do you believe if so what is that? is it real?

July 31 2024

King gets powers → knows the future/past

↓

But things are slightly different from the info he has.

He consults god → combinatorially many future, each atom determining the future
ok ← the future

He wants to give the general powers to see what will happen

But he would already know the future so why does he have to do it
↓

he imagines every possible future
suddenly his obsession with the General's heroism is meaningless because he knows the configuration of atoms that will make him not heroic.

Solution 1 (ending 1): he tries to make him falter by providing him with the same info he has
↓

But the general is still just as heroic
↓ confused → he got an option wrong.

He kills the general his morals. Paralyzed by choice, how to be heroic
↓

General says that you just have to do it despite the questioning
much like with the practices for war

↓ he practices now his hands should be as a reflex.

much like that your morals must be a reflex

+ I know so many endings, I know all the endings, I don't know which one would happen → I have to decide.

↓ General see I know now to and I know which one I would pick & an

-but isn't that just ignorant

I don't care.

why tasks do you want to be heroic
why wouldn't someone want to be heroic

Then why isn't everyone heroic.
Because they are incapable.

I disagree. I believe that the blacksmith know → who is exceptional at his craft who is capable and has a good family he is heroic. Would you want to be this blacksmith.

yes I would!

Oh I thought you were going to say no.
I thought you were after external validation
an alchemicals.

↑ maybe I am, for now the blacksmith,
he is known to me.

You just have to believe and more.

I don't believe. I can't choose

You have already chosen. Now how do you want to end this story.

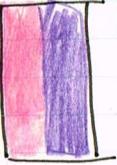
even if your name will never be uttered again even if you don't have any family
how do you like the rest of life
like there is no answer. That's all.

AUG 1 2024

For table in schema

create table table name — MOD
AS ~~Select T.*~~ File-ID-rownum
FROM table-name T

variable ↓
variable + string



GRANT

DRSS COL

HtH

If I want to win I need to utilize every single second of my time → work.

Dark Angel - a group of Hackers.
Make a severley encrypted OS on a USB.



AUG 01 2024

- Ozymandius utilizing all of his resources to reset the world

↓
Sometimes your motive gets lost
Good and evil get mixed up.

- He questions why things didn't go his way

↓
things didn't go gods way because
he has the power to change the
course of the future.

↓
Implies a gods god who sees what god
does.

- Paralyzed by choice he asks the general
What is right.

AUG 02 2024

- NMDA receptor - LTP

1. glutamate ↑ → 9 0 0
 2. AMPA receptor → 0 0
 3. Depolarize
 4. NMDA receptor
(removal of the
magnesium) 0 0
 5. Influx of calcium
 6. ↑ AMPA receptors
 7. ↑ sensitivity to glutamate.
- brief but high intensity simulation of a post synaptic neuron.

- LTD

1. glutamate
2. prolonged low intensity stimulation.
↑ after AP
3. not enough depolarization to cause removal of calcium magnesium blockade.
4. But some allow calcium through.
5. low level of calcium
6. cause removal of AMPA receptors.

→ threshold of input either ↑ the weights or ↓ if below a threshold.

→ What equation should the weights ↑ by,
what equation should they decrease by.

- one in NMDA receptor → X amount of ↑ in calcium?

lets say inputs into the neuron are often
in a binary range from 0-1

0	1	0	5	0	1
0	1	0	0	0	0
0	1	0	0	0	0
0	1	0	0	0	0

or

0	1	0	6
0	1	0	0
0	1	0	0
0	1	0	0

0 or 1

→ lets do 1 & 0 to start with.

each pixel is one neuron.

>N>g>s & this

>N>g>s or that.

j

2. Non complex cells 1-1 no ganglions?
3. if stayig illuminating ↑ connections
4. if not illuminating ↓ connections.
5. See output.

- no motion static images
- everything is connected to everything.



AUG 05 2024

- The General tells the king that you have to choose between ignorance and believing what you think is right.

Draw in all the info, be god all knowing but unable to believe anything because everything is true.

- The king exhales all I have been doing my whole life is wanting to know. After my dad died I needed to understand death. When my mom went into dementia I needed to understand the mind. When my country went to war I needed to understand war.

But in the end, I have anything yet than nothing.

What is all of this king Breakless down

- The General, all of this means nothing if you don't actually do it. You've got it backwards → you only get information understanding when you try. You have to do something and to get the information. It's what you choose to do that is you to us. And if you don't choose that is you the king who never chooses.

- You telling me that ~~you~~ I need ignorance to do the right thing?

- If you kill someone for your country is it good or bad. Is it the right thing?

- What if your intuition, are you the type. He kill?

- What if there is a way to win the war with no fighting, but all the patriotism is lost and senses of community and freedom is gone.

- I don't know I don't know.

The symbolic nature of mathematics follows the same symbolic nature of information in life.

AUG 06 2024

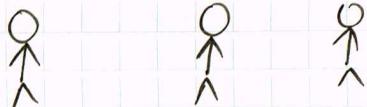
Sometimes if you aren't using your body enough your body will propell you to move. Sometimes if you aren't using your mind enough your mind will propell you to think. Sometimes if you aren't using your emotions enough your emotions will propell you to love.

My brain is itching to do more more more but I can't. I need to artificially instill the same sense of stress, torture & pain I experienced for most myself. This life / comfort is really uneasy for me.

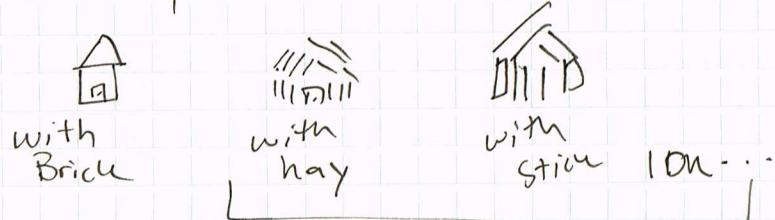
MORE IWANT MORE.

AUG 1 2024

- In RNN → there is a reward function that you have to optimize



- b. They must build a house



- C. These two don't survive - were they "wrong", no they just didn't survive.

I don't think reward functions exist and then we optimize it, I think they all evolve as a consequence of survival

Entropy. ↓ ???

↑ energy more energy than needed
to sustain the environment

extra energy used to melt things more efficiently.

The diagram shows a convolutional layer setup. On the left, a 3x3 input grid is shown above a 5x5 weight matrix. The input grid has values 1, 2, 3, 4, 5, 6, 7, 8, 9. The weight matrix has values 1 through 15. An arrow points from the input grid to the weight matrix. To the right, the output of the convolution is shown as a 3x3 grid with values 16, 0, 0, 0, 0, 0, 0, 0, 0. Above the output grid, the value 16 is labeled with a bracket and the text "fully connected". Below the output grid, the values 0, 0, 0, 0, 0, 0, 0, 0, 0 are shown. To the far right, the numbers 9, 6, and 2 are grouped together with a bracket and the text "fully connected".

1. Find the function for updating weights.
↳ remember That LTP & LTD are time dependent
↳ and LTD & LTP can happen in sequence.
 2. The memory IPYNB? → where i get that from
 3. All are ON OF STATES?
↳ for now
↳ then introduce spike pointers.

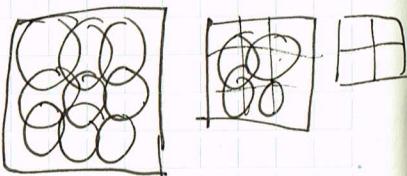


AUG 10 2024

I got rear ended.

FINDING INTELLIGENCE: CREATION

1. Create Input matrix
2. One step convolution



1. 4x4 with 2x2 filter

2. 3x3

3. 2x2

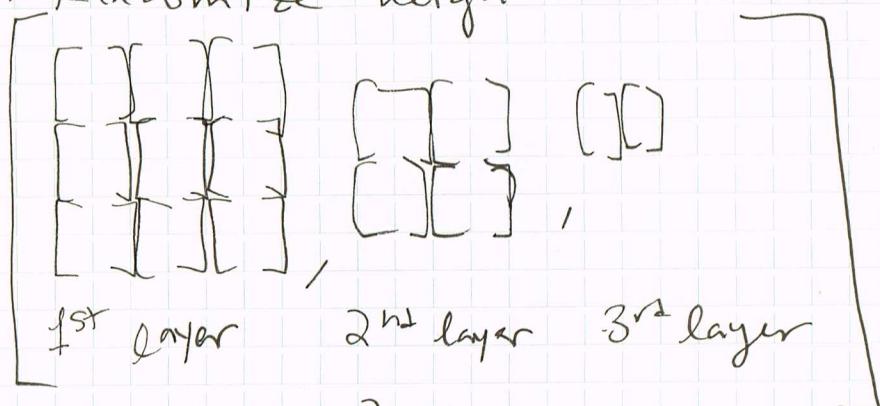
4. 1x2.

2a. get filter.

2b. apply one step convolution

3. Apply it 3 times.

4. Randomize heights.



- 1x3 matrix? list

- each item in the list is the layer
So layer 1 \Rightarrow 3x3 with each entry
or 2x2 so it's a 3x3x2 matrix

- layer 2 is a 2x2x2 matrix

- layer 3 is a 2x1x2 matrix.

- we will have greater ~~the same~~ list
same size one timestep into the future.
- maybe 1 more 2 timesteps into the
future. past

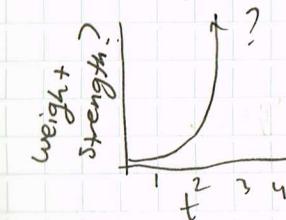
we will change the weights based on
time step 1 & two into 2 past.

X maybe even should have more
timesteps.

✓ or like a counter for each neuron
with ~~an~~ how many times it was
on vs off.

Just another matrix where each
entry is the number of timesteps it was on?

what if it's off how will it know what the
time step?



1. Need a max & a min
2. Need to know how long
it takes for more AMPA
receptors to be made.
or removal of AMPA
receptors.

AUG 13 2024

- Theory is we are a cellular automaton and that if I can somehow prove that in a two dimensional cellular automata that there are local rules, that don't apply like we get more rules than started with then we can prove that this 2D world produces life-like information.



Then we are just a 3D cellular automata sitting on a 4D computer or something.

AUG 14 2024

- Yoneda Lemma

↳ objects are fully defined by their relations (structure of groups)

Assembly theory → not necessarily defined by the process, but they have similarities.

- Survival / competition:

ex multiple structures doing the same thing? like ~~water~~

↳ organically come to the fact that categorizing helps them survive... how can I design "survive" like that.

1. Pick a set of laws
2. Create ~~objects that~~ the universe of these laws
3. Organically create objects.

AUG 15 2024

- When you have a task that you do everyday, your brain learns to optimize it. That's why you can do tasks without thinking about it (ex driving home)

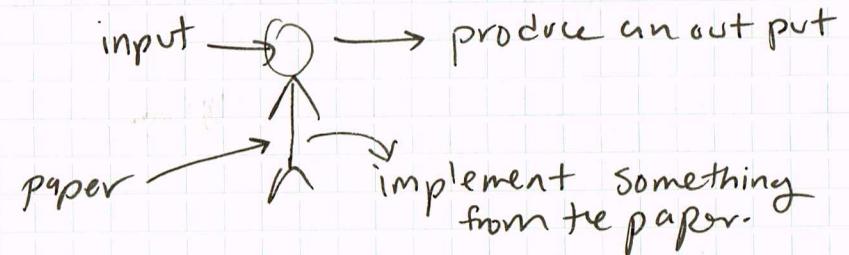
- Your brain is optimizing the tasks

(if I want to optimize something)
I must know the task

PUSH PUSH PUSH

CLEAN CLEAN CLEAN

- I have a lot of ideas on what I think intelligence & life is. How do I systematically prove this? And learn more about it



CLEAN CLEAN CLEAN

AUG 15 2024

- The workflow now should be

Theory → hypothesis → what would show
it
do / learn it.

THEORY

1. Combinatorically large universe

↓

What is information? → this comes from the universe

WORDLE → computer can solve it using
information theory

↳ all known outputs

→ / solve it in other ways

↳ organically get my answers
through time as I learn language.

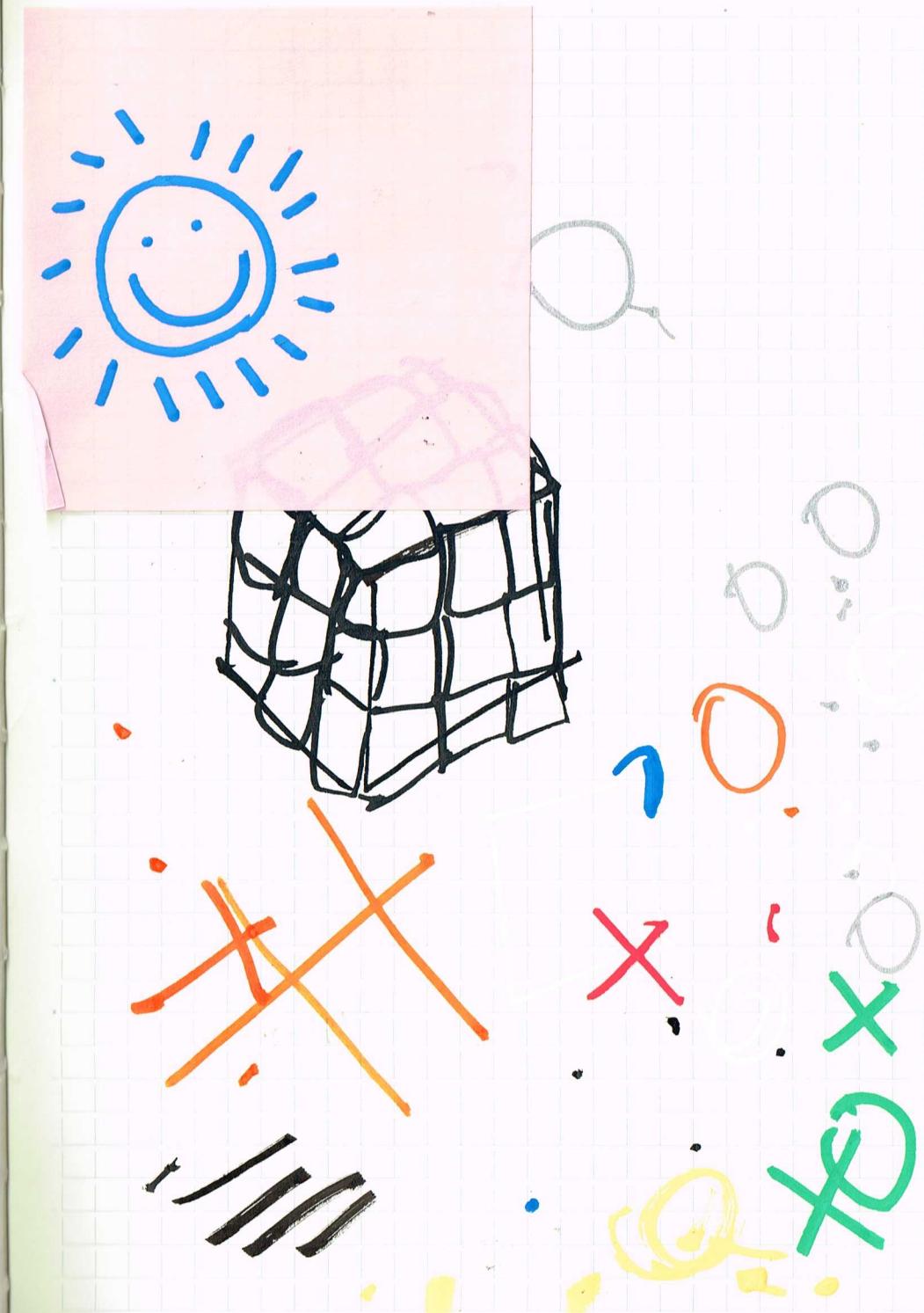
Coincidence / physical constraints.

Q Is solving wordle vs Every/wordle the
same in terms of complexity.

* BIG IDEA is that things organically
separate itself into categories.

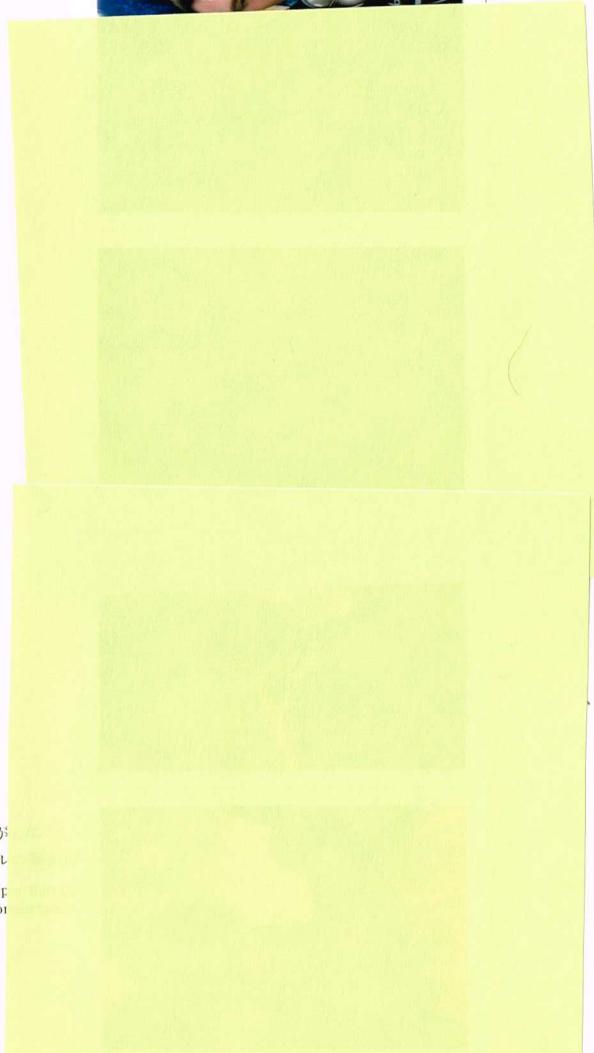
↓
the question is how/why

↓
I like the evolutionary theory.



I D E A

D I A R Y



MD用紙はにじみや裏抜けが
追求し続けているオリジナル

MD PAPER is our original paper
bleed-through and enables cor-

株式会社デザインフィル ミドリカンパニー

15295-006

MDノート<A5>方眼罫A

176ページ

www.midori-japan.co.jp

© DESIGNPHIL 2023

MADE IN JAPAN



Test
Test
Test

Test
Test
Test

Test
Test
Test

Test
Test
Test

