

topology

sketch ::: 1706410736224

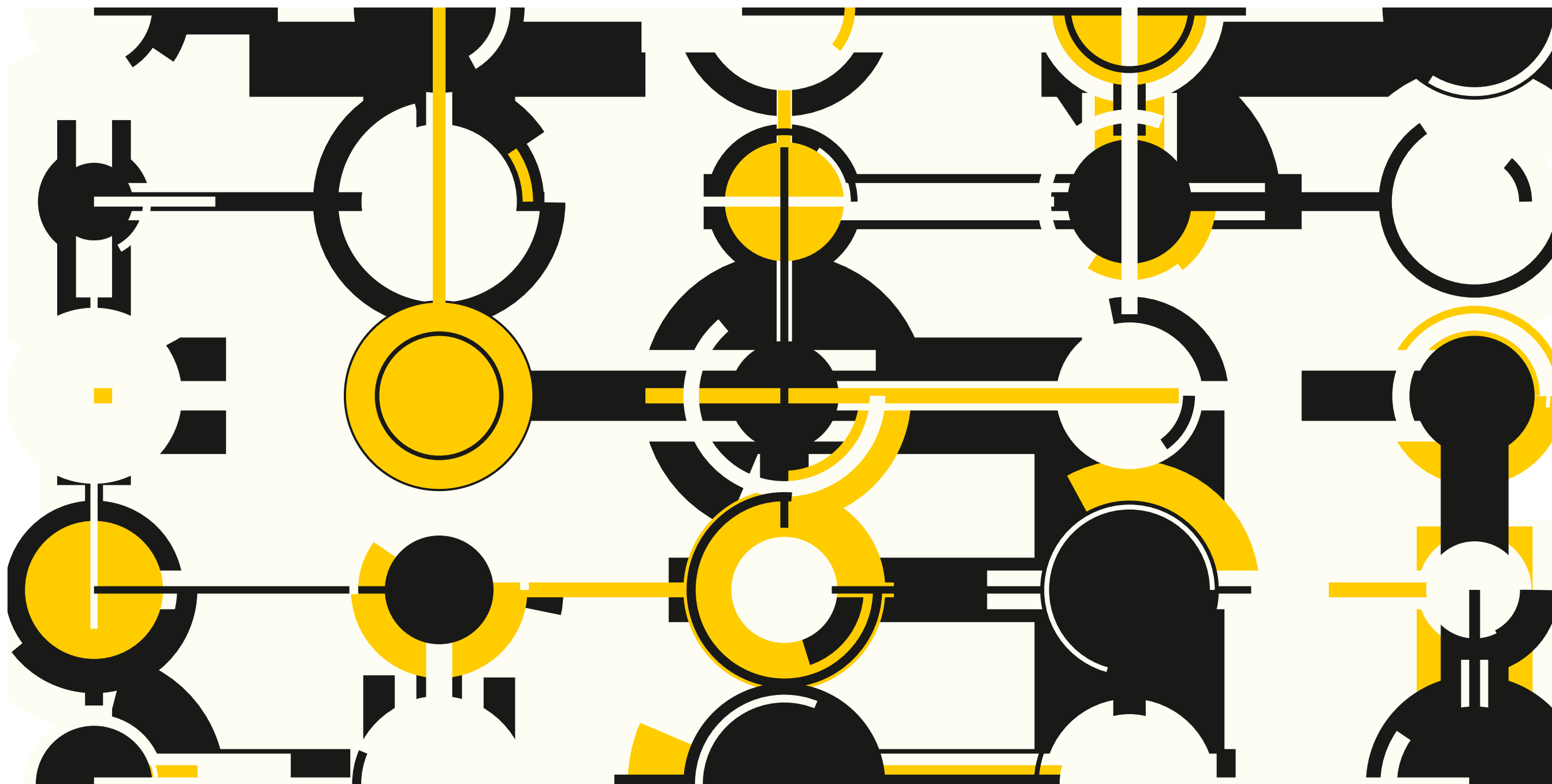
mctavish

naked

```
.|_ data modeling ecosystem transcription _|.|. contour core motion ..-|| stripped  
down |+|+_+ essential form #_#&=^ arc distilled ||.|_ abstraction ^..|. line drawn  
&_&|| color form shape +0+_+ context seed dynamics |||&=^ phase plane essence  
_|..|_ naked mirror silhouette ..-|. skeletal moving gears |+
```

```
..|. translation filter |..|||. transformation ..-|| map bait lure tackle |+|+_+  
spinning wheel #_#&=^ rapunzel wizard magic fish ||..|. chutes & ladders ^..|. |  
connection conjunction sentence &_&|| necklace +0+_+ purl one |||&=^ knit one  
|..|..|. knot one ..-|. sticky spider silk |+||| relations table entry #_#+_+ time  
stamp seal or wax ||
```

```
.|_ transact system _|.|. query language ..-|| row by row relation |+|+_+  
containment category rope bind #_#&=^ join ||
```



of

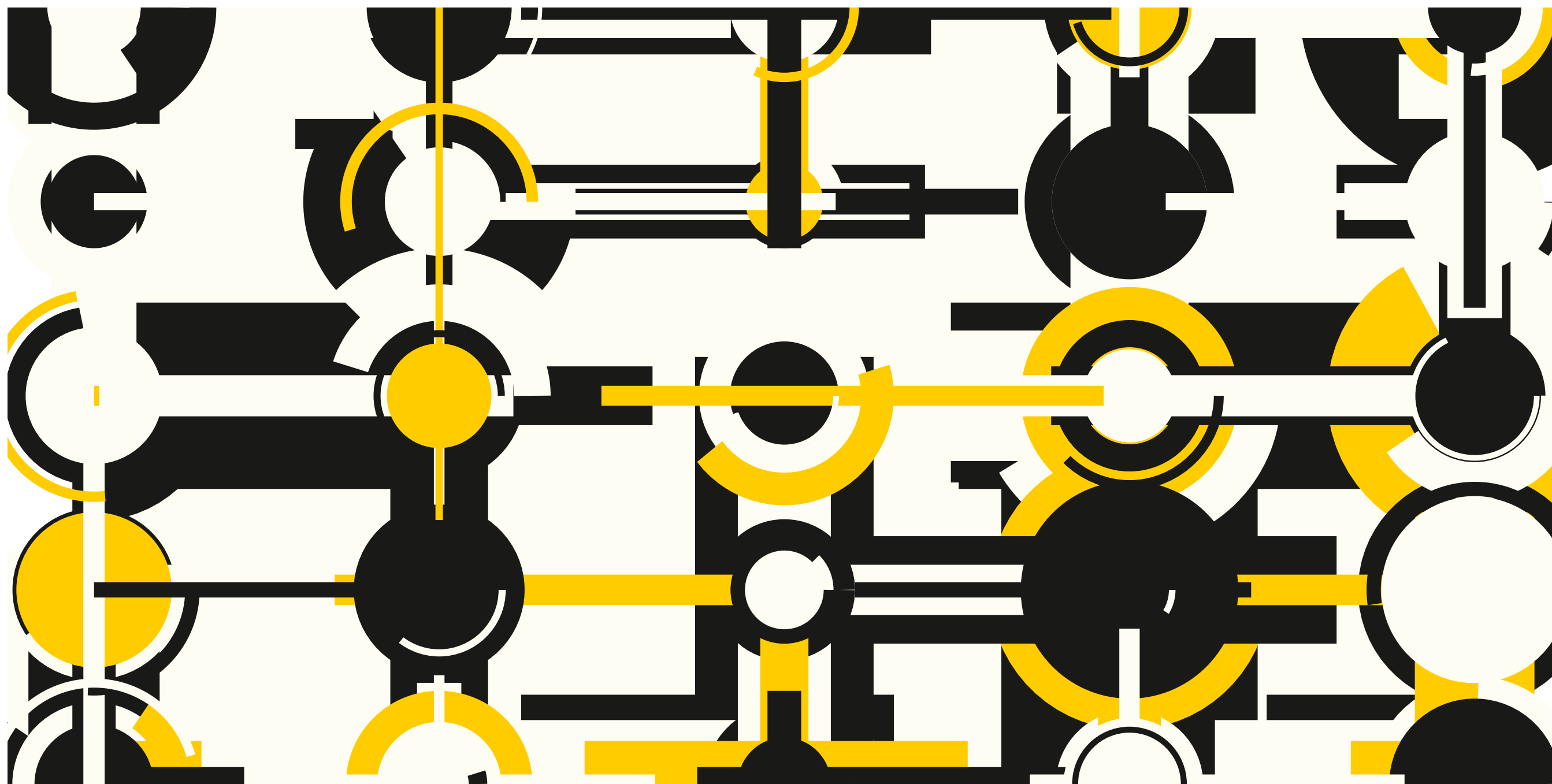
.|_ city of sleep city of masks city of subway & turnstile _|.|.| too close stand
back headlights ..-|| tracks nyx boat coin chaos birds |+|+_+ stain permeate imprint
drench spill #_#&=^ illuminate transcribe prime stretch nail ||

..|. theater of the very small theater of passions theater of stairwells |..|||.|
theater of windows of doors of bus stop shelter of boat of wind of oar & effort
..-|| railway roadway highway meadow |+|+_+ this place this platform this vacant
#_#&=^ iowa small tool shed top hill grave field ||



metrics

.|_ how is this night different from all other nights? _|.|.| short trophic chains
..-|| webs constrained |+|+_+ nutrient enrichment enigma #_#&=^ nutrient paradox
nutrient cage bind limit ||.|_ stable state dream fragile balance ^..|.| weather
heat rain flood fire &_&|| orbit cycle chaos +0+_+ hydrogen oxygen ::: so hard to
fuse |||&=^ weld spark twist _|.|.|_ ecosystem metrics gears & struts ..-|.|
evolution adaptation |+||| form(s) of change #_#



text

.|_ honored listeners present & absent today (yesterday) _|.|.| honored receivers
future reception ..-|| audion circuit |+|+_+ grid-leak detector diode || grid =>
cathode #_#&=^ regenerative form ||.|_ telephony radio talking newspaper ^..|.|. |
text => speech => signals => waves => recording => radiation => distillation &_&||
electrons through a vacuum wireless body-less +0+_+_+ space without a filament
without a spark without a fire |||&=^ morse code => speech => music => flight _|.|. |_
thermionic emission liberation ..-|.|. | electrode release electron temperature (heat
=> leap) |+| || thermal energy => charge carrier material work function catapult
trapeze #_#+_+_+ electromagnetic waves through a gap => light ||&=^ electromagnetic
fields are a filament not a plow ^...|_ radio frequency identification of goods
&_&|.|. | markers of heat of movement +0+

..|. |. supermarket radio |..| |. | carbon isotope detection trophic code ..-|| visceral
magnetic gravity pulse |+|+_+ arterial electrical currents light #_#&=^ static noise
||..|. |. the message ^..|.|. | metal surface heat &_&|| thermoelastic bend & flow +0+_+_+

ions eons millennia |||&=^ vinyl disk |..|..|. labeled iron shelf ..-|.| dustlit
volume |+||| dancehall volume #_#+_+ phonograph telegraph ||&=^ braille ^....|. |.
spinner &_&|.| feedback +0+



bending

.|_ why is this day unlike any other day? _|.|.| this moment this view this
inflection bending curve like no other ..-|| or why is this day like an other once
upon a time dinosaur last-day meteorite explosion |+|+_+ dusty smoke-filled orange
sky #_#



well

```
.|_ on the afternoon of the 8th day _|.|.| repairman rider passenger lone bird ..-||  
grass blade dyke (our hero zero rider ze) |+|+_+ only a bird not a god #_#&=^ only  
an old sewing machine ||
```

```
..|. treadle & thread |..|||.| stitch back repair repair ..-|| lace prairie weave  
roots |+|+_+ pump light well bind #_#&=^ animate turn breathe ||..|. circulate &  
mend ^..
```



boundedness

.|_ architecture of flows _|.|. chain web sparse or dense ..-|| multi routed multi
threaded |+|+_+ brilliance resilience resplendent #_#&=^ abundance complexity ||.|_
iron glass & noise ^..|.|. weft & warp &_&

..|. 4 string landscape |..|.| infinite between ..-|| bendable tonality |+|+_+
fretless beast #_#&=^ gravitational pulls ||..|. orbit & deviation ^..|.|. delay /
echo tape chance &_&|| degrees of freedom +0+_+ boundedness taut net |||&=^ no map
palette arcs |..|..|. across found sound canvas ..-|.|. spill pour grid |+|

.|_ night crow no time graffiti angel _|.|. icarus ghost bird ..-|| radio pluto
|+|+_+ washington avenue #_#&=^ bridge subway warehouse ||.|_ symphony of metal
^..|.|. concrete & glass &_&|| blades grass +0+_+ blades accordion |||&=^ sheet
music _|.|. sheet metal ..-



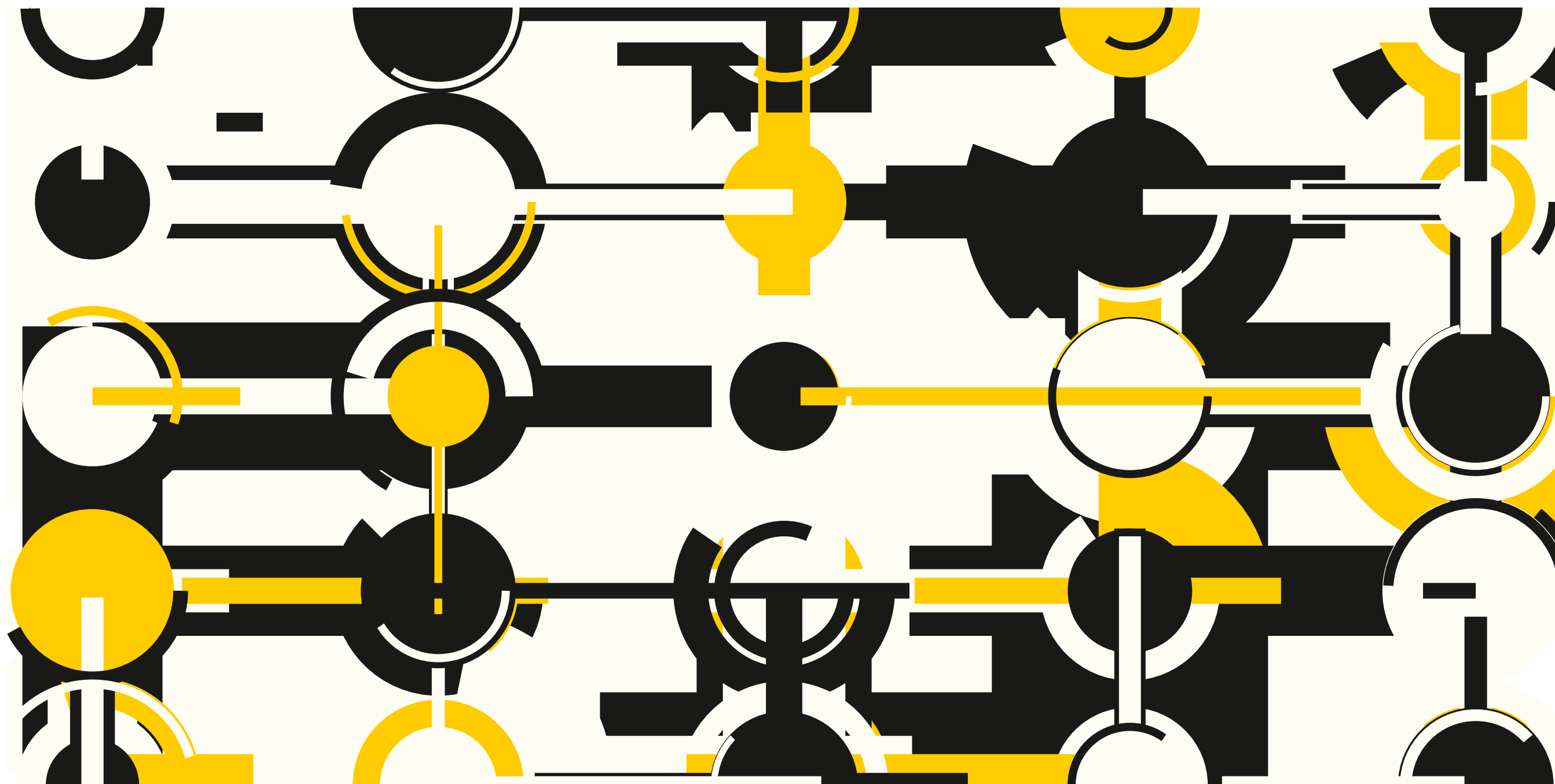
the

.|_ goal ::: a net for capture seismograph of wind knowledge graphs monads _|.|.|
cybernetics books boat numerical recipes algorithms formulas dictionaries ..-||
structures grammar syntax dynamics choreographies |+|+_+ configurations changes
chord progressions #_#&=^ harmonic sets heterotrophs producers fungal nutrient pools
||.|_ weather self-organizing clockworks ^..|.| a computing machine gears the mail a
cloth &_&|| checkerboard abacus a network of relations +0+_+_+ attracting orbit
counting mapping computing |||&=^ navigation a compass the ocean _|.|.|_ a sailor
ropes & tackle wind & helm ..-



level

.|_ why is this night this day this hour this moment different from all others?
|.|.| stable state equilibrium ..-|| mirage |+|++ set of gears & struts #_#&=^
form change adaptations ||.|_ choreography mathematics theorems ^..|.| natural law
physics stars &_&|| tonal signature nutrient profile +0+_+_+ language alphabets
symbols |||&=^ drawing cave drawing sky drawing skull _|..|_ flux flow rise ..-|.|
difficult to capture |+||| carbon currency #_#+_+ mineral constraint ||&=^ trophic
level ^...|_ efficiency &_&|.| short ladder +0+|| polyphony topology |||+_+ C N P
basis vectors _|.&=^ weather ..-.|_ tides light plow |+| |.| poison shattered #_#||
maps fractured ||+_+ space faster ^..&=^ time spinning &_&.|_ gears +0+



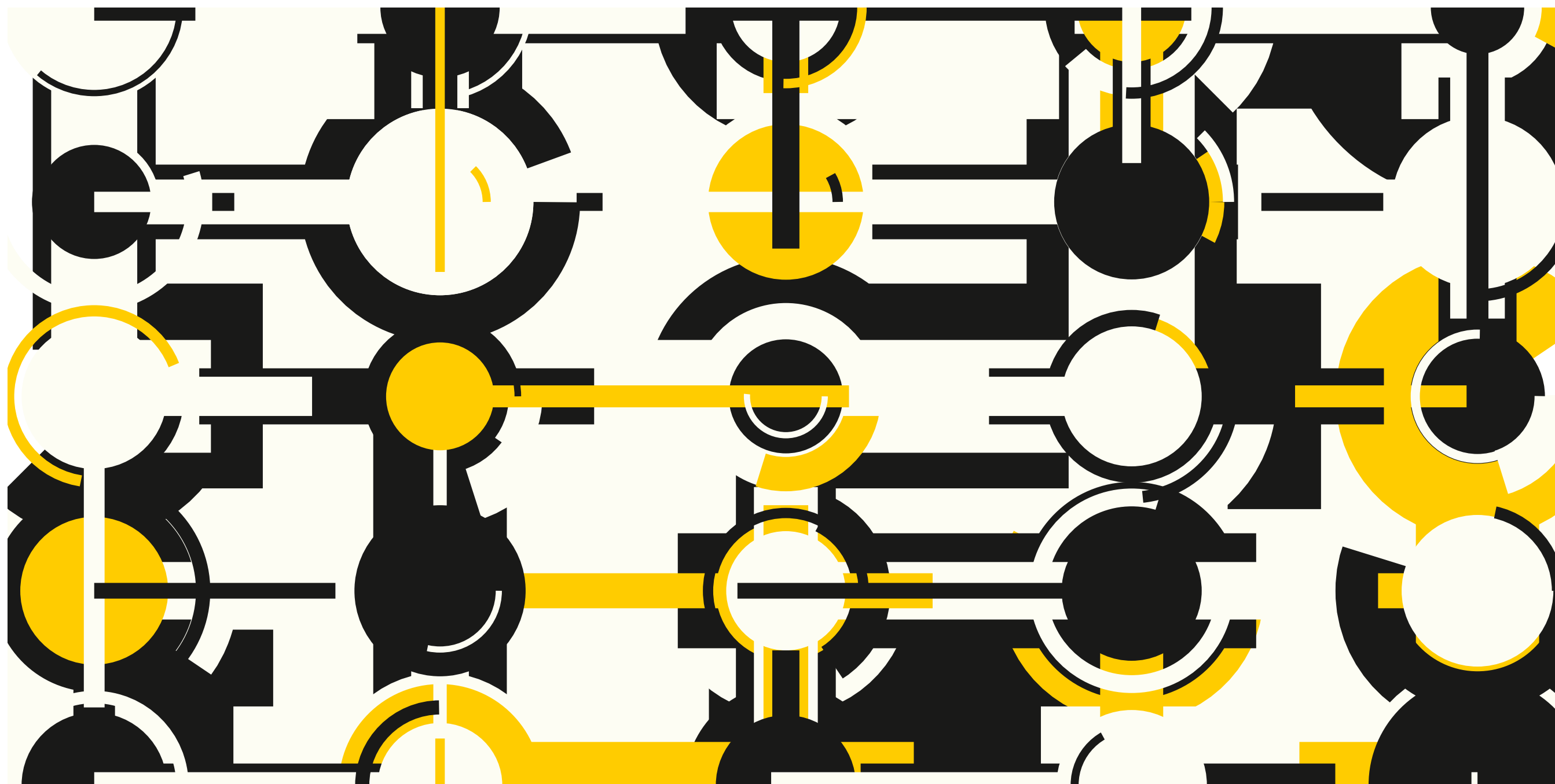
wingsparts

```
.|_ stitch _|.|. carbon cycle ..-|| back |+|+_+ intact #_#&=^ structure function
||.|_ sink & source ^..|. sink & source &_&

..|. theory of null values |..|||. problem of null values ..-|| hollow sound |+|+_+
sparse matrix #_#&=^ initial conditions external ||..|. parameters landscape weather
^..|. bee flower pollen lit pollen wings &_&

.|_ parts of speech sets thought _|.|. categories cages ..-|| language archive
(memory tables data pollen noise) |+|+_+ quest voyage counting #_#&=^ physics web
grassland sea net trophic ties traveler ||.|_ gears ^..|. repair(*) rider lone bird
&_&|| grass blade dyke (our hero zero rider ze) +0+_+ illuminate restore resurrect
reweave rebreathe |||&=^ trophic chain ecosystem length & breadth harmonic series
_|..|_ swings & orbits ..-|. collapse & chaos |+||| dynamic state constant flux
#_#+_+ climate nutrient cycling community structures evolution ||
```

..**|**. no time now time soon time **|**..**|**

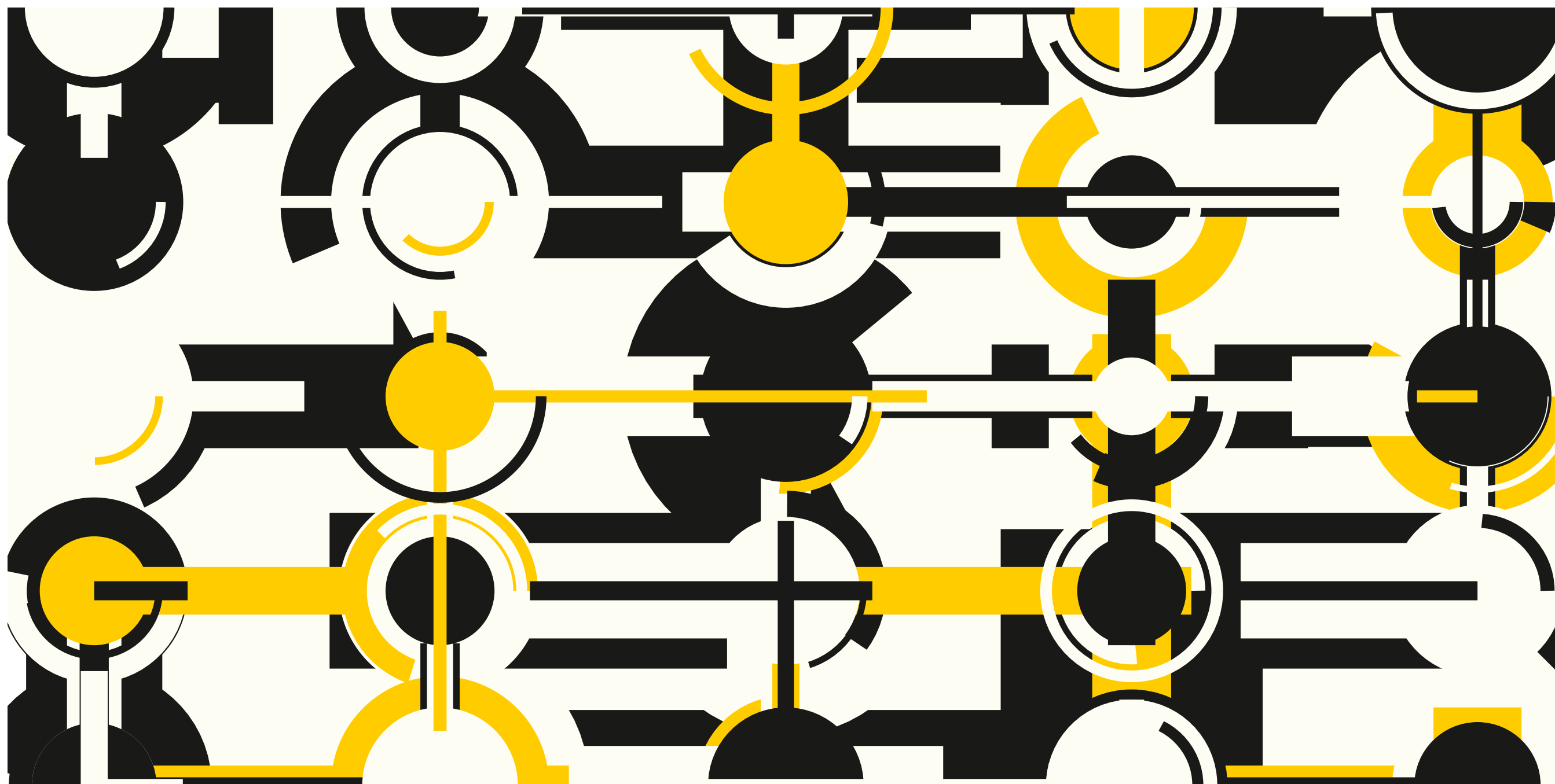


broke

```
.|_ electric magnet migrate translate _|.|.| hero zero suitcase clock map train  
nomad ..-|| boat bird data airbase data cube data curved space |+|+_+ prism lattice  
fabric timestamp schema graph #_#&=^ reify untie unfold unroll ||.|_ electric orbit  
ghost force ether spark ^..|.|. specimen drawer weather static wind-blown number  
station &_&|| solar noise cloud formation storm titration wireless smoke-filled sky  
+0+
```

```
..|. broke ground broke thatch broke net broke flow |..|||.| telegraph rhizome  
circuit network junction ..-|| flag siren point nutrient carbon tangle |+|+_+ broke  
ratio physics orbit fixed-point evolution #_#&=^ clue drawer box film parchment  
vinyl ||..|. blood feather stalk beak grass root ^..|.|. paper stamp store mark  
transect photo record image cell &_&|| before axe pick shovel hoe oxen plow +0+_+  
before hard ground was broken |||&=^ still woven yellow green ticker |..|..|. tape  
pulsed code transmission ..-|.|. echo vacuum tube transistor |+||| circuit still  
electrified #_#+_+ & living ||
```

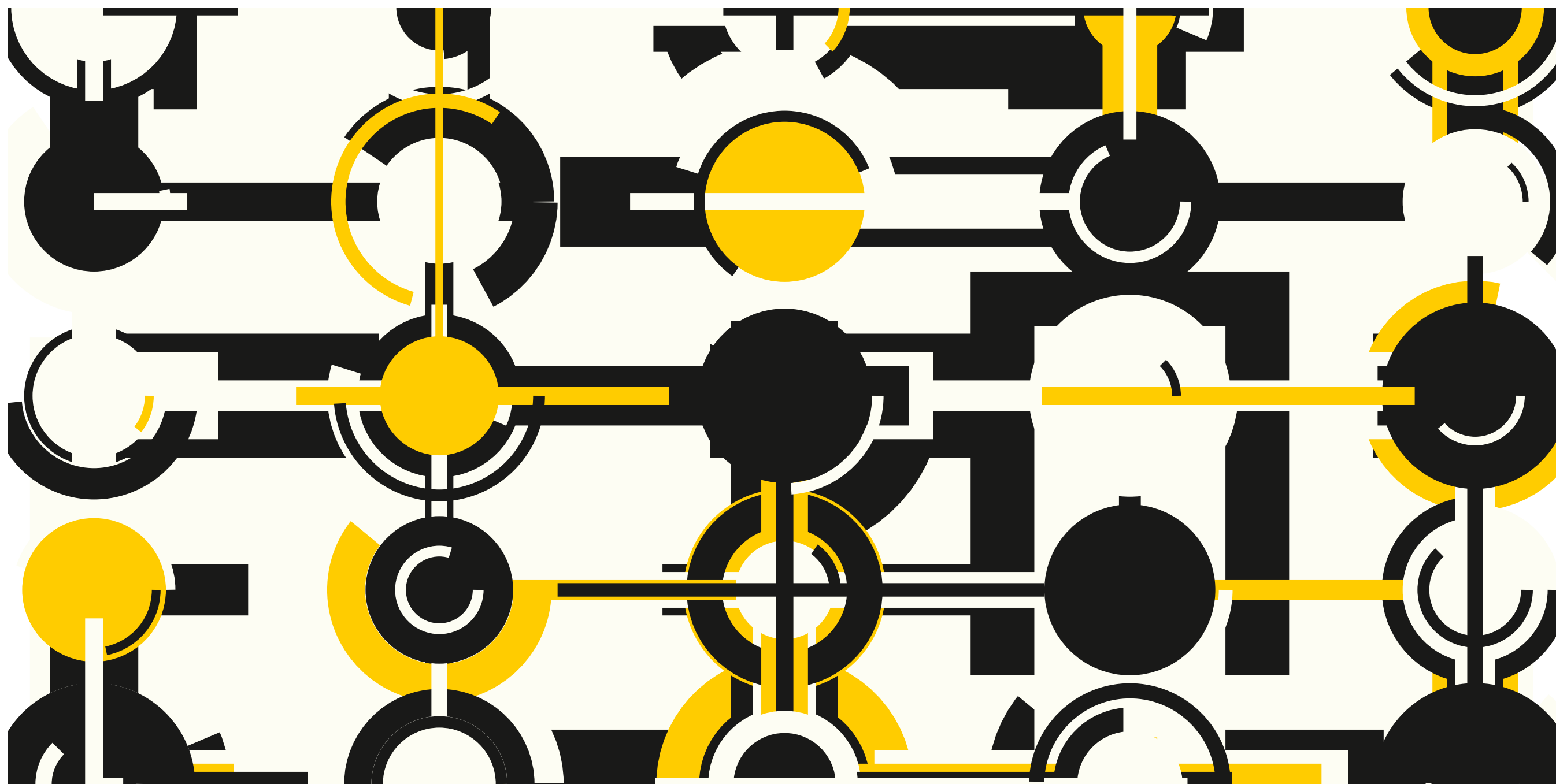
```
.|_ ignite ! _|.
```

rolls

.|_ faded animations faded colors green yellow brown => gray _|.|.| plant specimens
stamped time-stamped the walker rider passenger ..-|| collector observer marks down
weather rain heat cold dry piano rolls |+|+_+ score movement slows to snapshots
#_#&=^ pinning clothes recording transects counts ||.|_ footnotes footnotes
footnotes ^..|.|.| sets & grass to find the trophic structure &_&|| problem of scale
reference static object product state +0+_+ broken rhythm boxed number tables
|||&=^ frozen vertex chalk body outline fixed _|.

..|. time step nutrient cycle handbook of codes |..|||.| algorithm recipe diagram
flow ..-|| now back but then not now but perhaps |+|+_+ maybe just || nothing
#_#&=^ rectify & join ||

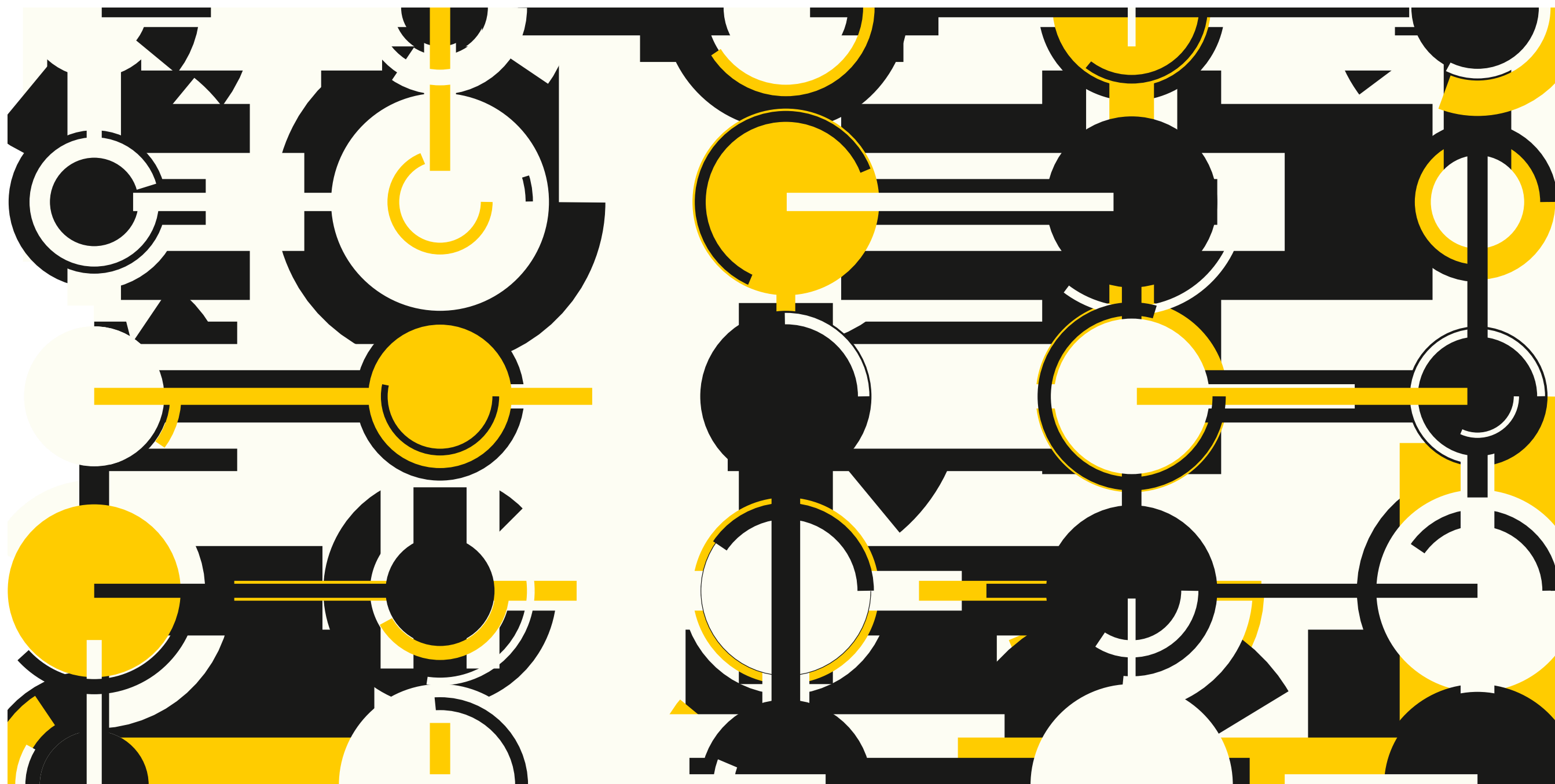


multi

._ architecture of flows _|.|. chain web sparse or dense ..-|| multi routed multi
threaded |+|+_+ brilliance resilience resplendent #_#&=^ abundance complexity ||.|_
iron glass & noise ^..|.|. weft & warp &_&

..|. 4 string landscape |..|.| infinite between ..-|| bendable tonality |+|+_+
fretless beast #_#&=^ gravitational pulls ||..|. orbit & deviation ^..|.|. delay /
echo tape chance &_&|| degrees of freedom +0+_+ boundedness taut net |||&=^ no map
palette arcs |..|..|. across found sound canvas ..-|.|. spill pour grid |+|

._ night crow no time graffiti angel _|.|. icarus ghost bird ..-|| radio pluto
|+|+_+ washington avenue #_#&=^ bridge subway warehouse ||.|_ symphony of metal
^..|.|. concrete & glass &_&|| blades grass +0+_+ blades accordion |||&=^ sheet
music _|.|. sheet metal ..-



clock

```
.|_ receiver net web electron field short wave thatch _|.|.| wireless signal code  
..-|| number station urgent message |+|+_+ change of course #_#&=^ turn back the  
clock (re)do (red)o stop the gears ||.|_ throw the switch ^..|.| turn the helm the  
wheel the tide the orbit &_&|| mend restart retrain reboard rewire +0+_+_ electrify  
set in motion |||&=^ animate & breathe _|.
```

```
..|. once again repeat again retie retry reweave again |..|||.| a name uttered speak  
again ..-|| reclaim restore correct |+|
```



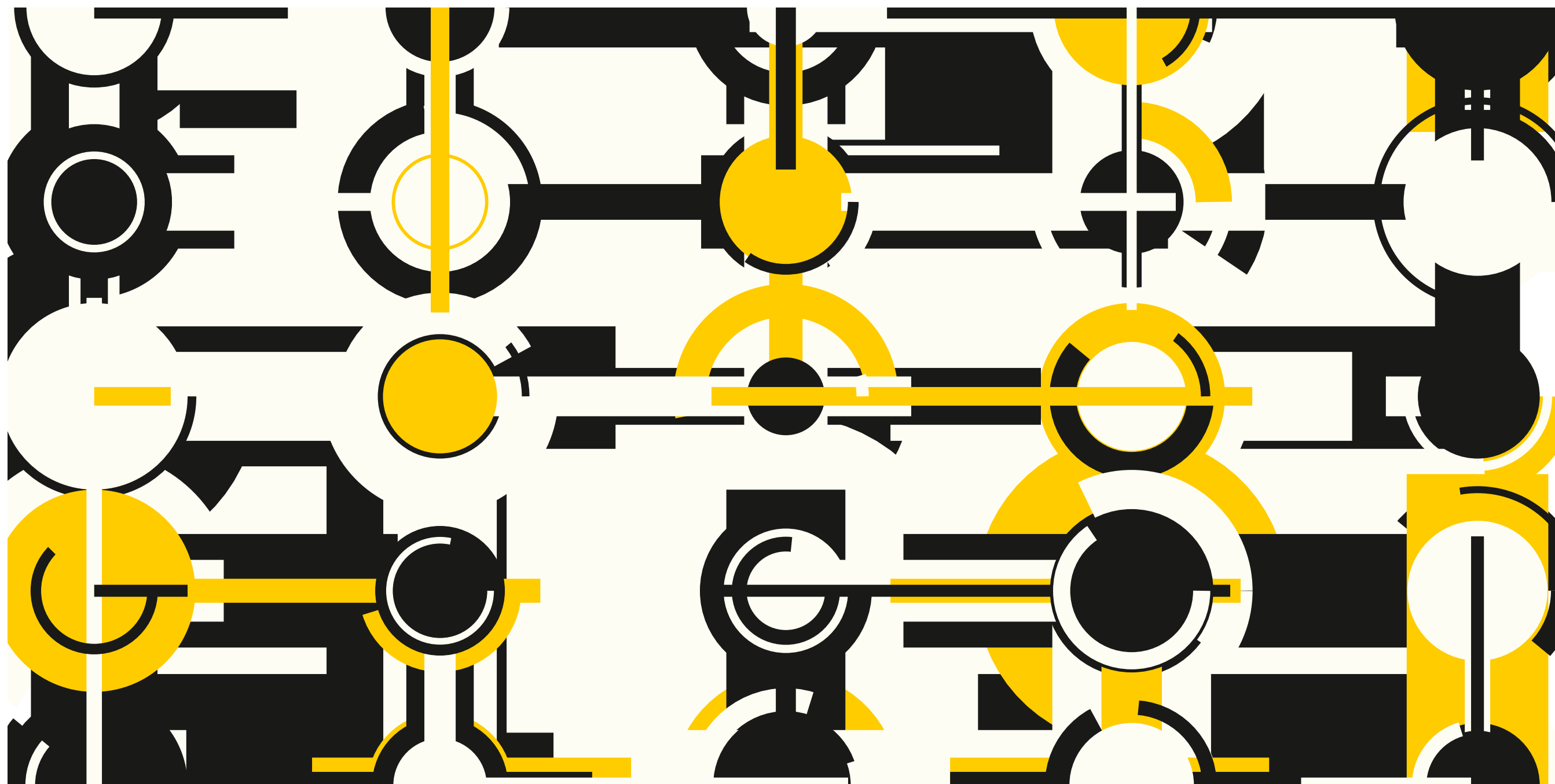
root

```
.|_ fact ::: hyperspace _|.|.|. a cube an axe ..-|| enter retrieve deliver swift  
|+|+_+ data knowledge reconstruct #_#&=^ reach link traverse ||.|_ node to node  
abandon ^..
```

```
..|. latch hinge |..|.|. door subway turnstile entrance arrow ..-|| knot connection  
not reversal |+|+_+ subject verb object stop #_#
```

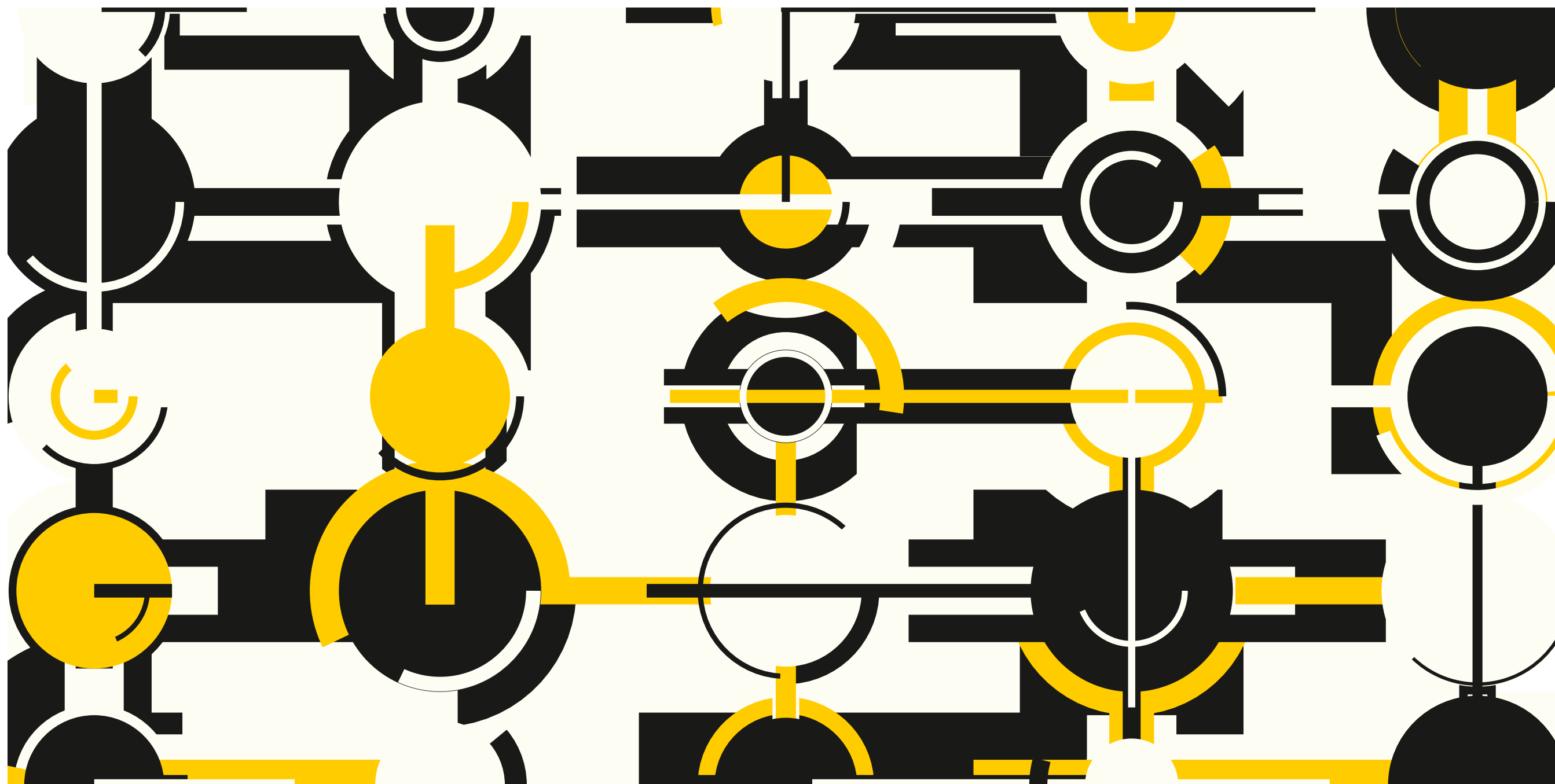
```
.|_ food web vertex _|.|.|. consume / uptake / feed / decay ..-|| pool to pool  
transmission |+|+_+ mycorrhiza fungus root #_#&=^ stoichiometric filter map ||
```

```
..|. collision confluence fusion |..|.|. dissonant echo ripple ..-|| fission waves  
|+|+_+ node to node connection #_#&=^ reified to predicate ||..|. a measurement  
^..|.|. unveiled revealed made plain &_&
```



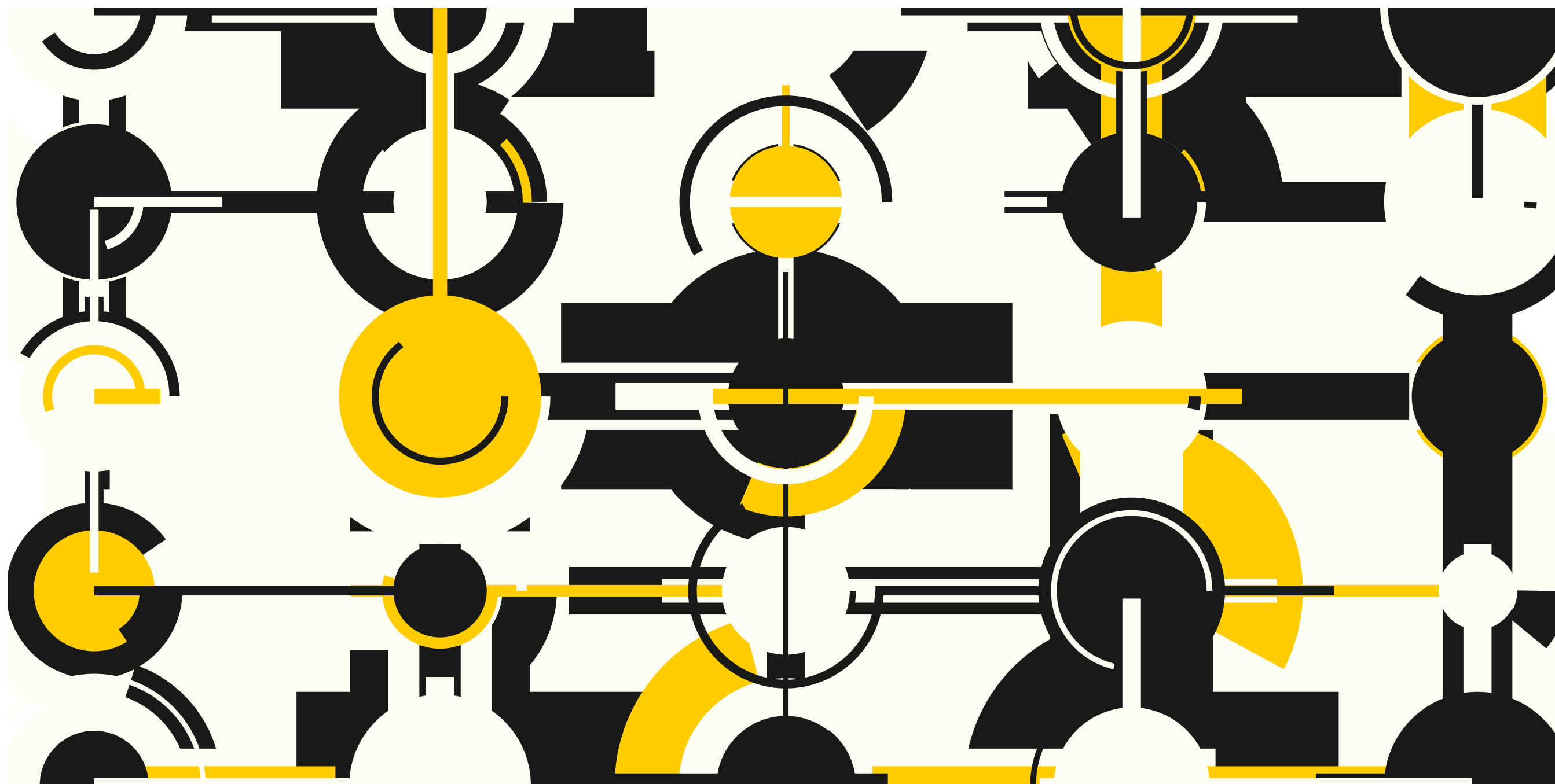
fusion

```
.|_ photosynthetic fusion carbon pool _|.|. sequester sequester bury deeper ..-||  
down & under & soil & fossil & black oil |+|+_+ ink memory frozen fire #_  
  
..|. this then this a ritual grassland reclamation |..|||. (re)enactment ..-||  
action painting action coding |+|+_+ abstract insurrection #_#&=^ repair sound  
reverberate ||..|. thrum thatch call ^..|. a bird blade leaf stem &_&|| frequency  
vibration +0+_+ signal short wave |||&=^ modulation resonation |..|..|. radio  
photo destination ..-|. a photosynthesis |+|| transfer raw vertex junction pivot  
pools #_#+_+ food web weights & likelihoods ||&=^ circle orbit cycling need ^....|.   
birth growth death decay &_&|. de compose release +0+
```



web

.|_ a hare moves _|.|.|. half the distance ..-|| repeat repeat loop |+|+_+ never
stop never loss never last measure last chance #_#&=^ last breath last half last
step ||.|_ density tonal lattice ^..|.|. 2d telegraph &_&|| duration plot staccato
rhythm pattern +0+_+ stochastic cyclone cluster noise chance score |||&=^ sonic
braille morse code stream sound _|.|. alphabet word phrase sentence time paper
scroll ..-|.|. lattice graph network web tree |+||| link join conjunction semicolon
latch hinge #_#+_+ doorway portal pivot junction ||&=^ conjoin jump ^...|_ place or
point of union &_&|.|. two or more railway lines +0+|| junction meet or cross |||



hold

.|_ cloud upside down root sequestration _|.|. stop hold bar block this avalanche
of loss ..-|| skeleton machine skull writing ceiling wailing keening siren howl
feedback broken |+|+_+ wire cricket friction klezmer waltz reed membrane wind bone
mallet hollow stem #_#&=^ a regiment of meadow ||.|_ circus tent swirling dendrite
dervish dance cybernetic helm storm mast mass ^..|. sunless subway depth &_&

..|. horsepower wind dams & mill harness velocity reactant |..|||. nutrient use
production efficiency industry! rhizome microbes bacteria ..-|| soil rushes moss
wing drawers files books tape press type ink compression & encodings |+|+_+ digital
transcriptions vinyl pressings drawings equations journals samples collections
bodies #_#&=^ filaments antenna wing skull vertebrae jaw hand stalk leaf flower
pollen ||..|. route cellular trace remnants residue ^..|. film plaster fossil cave
ochre & charcoal forms contours the hunt the relation the web &_&|| pins papers
stamp data survey study researcher walking catching pulling recording retrieving
+0+_+ net knapsack bullet glove transect count map compare average mean value

|||&=^ variation noise signal caught taxonomy of system observation of change
|..|..|. record function deduction of web ..-

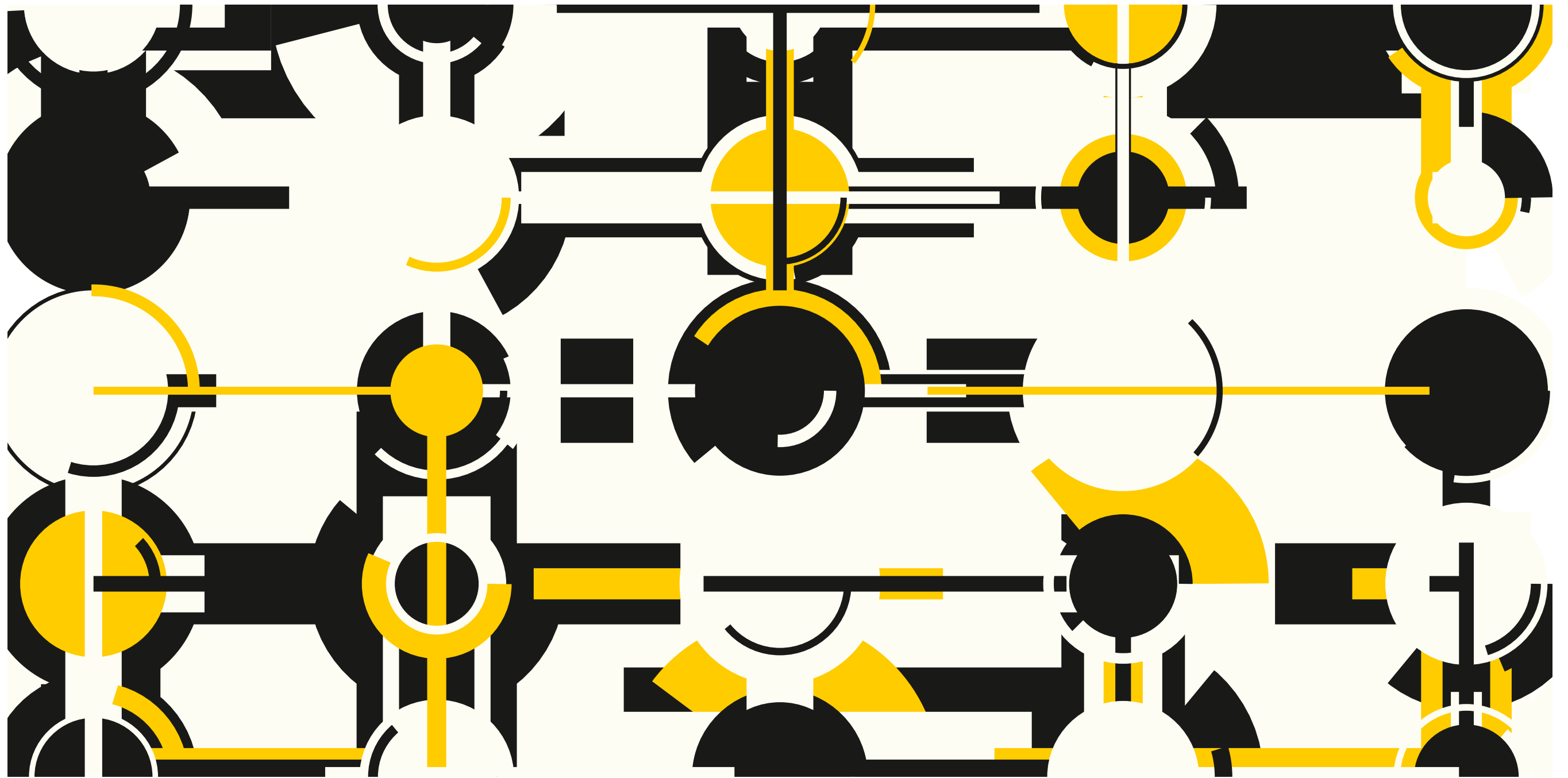


system

.|_ the repairman rider passenger lone bird _|.

..|. grass blade dyke (our hero zero rider ze) |..|

.|_ left the throng of city depot _|.|.| arrived alone worn suitcase sandwich
lukewarm coffee thermos ..-|| tepid brown liquid greasy paper |+|+_+ rusted texaco
station folded map #_#&=^ urgent mission ||.|_ fix the system ^..|.|.| repair reclaim
rebuild reweave restore &_&|| this prairie meadow sequestration +0+



specimen

.|_ on that day that hour researcher _|.|.| lab-coat gatherer archive net bird
memory ..-|| had the bird sing one last song |+|+_+ (carefully recorded) #_#&=^
after singing breathing trembling casting tonal net ||.|_ once last sweetly ^..|.|.|
tender night remembered dawn &_&|| the bird the singer was then collected +0++_+
marked with capture date time label stamp |||&=^ vinyl voice specimen body bones
feather cell lock drawer _|.|.|_ more precious for its absence last glimpse species
culture ..-

..|. slender threshold beat => tone (frequency wave) |..|.|.| particle rhythm
synthesis ..-|| sea matter light |+|+_+ redfield 1958 strange ratio #_#&=^ woven
fabric green & ||..|. flight ^..|.|.| the bird sang one last song &_&|| bird singer
song +0++_+ dated stamped labeled |||&=^ vinyl voice specimen body bones feather
|..|.|.|. lock drawer archive ivy building room ..-



these

.|_ late summer day dusty strands of light _|.|.| taut against the very ether of air
& day ..-|| particles stretched into waves cast from far away |+|+_+ circle orb fire
dusty filaments tied against #_#&=^ strong limbs drawn nets from sky they pulled
||.|_ muscled down & in these nets these baskets they ^..|.| (the wiry reaching
stalks) gathered invisible dinosaurs &_&|| their bones now atmospheric ghosts +0+_+_+
of all released dead matter sources of their gathering |||&=^ a hallelujah of
photosynthetic abandon _|.|.|_ a transference a miracle accumulation a sink a ..-|.|
grabbing & bending & forcing deep underground |+||| a conversion a reclamation a
redemption #_#+_+_+ a deep cellar window of light ||



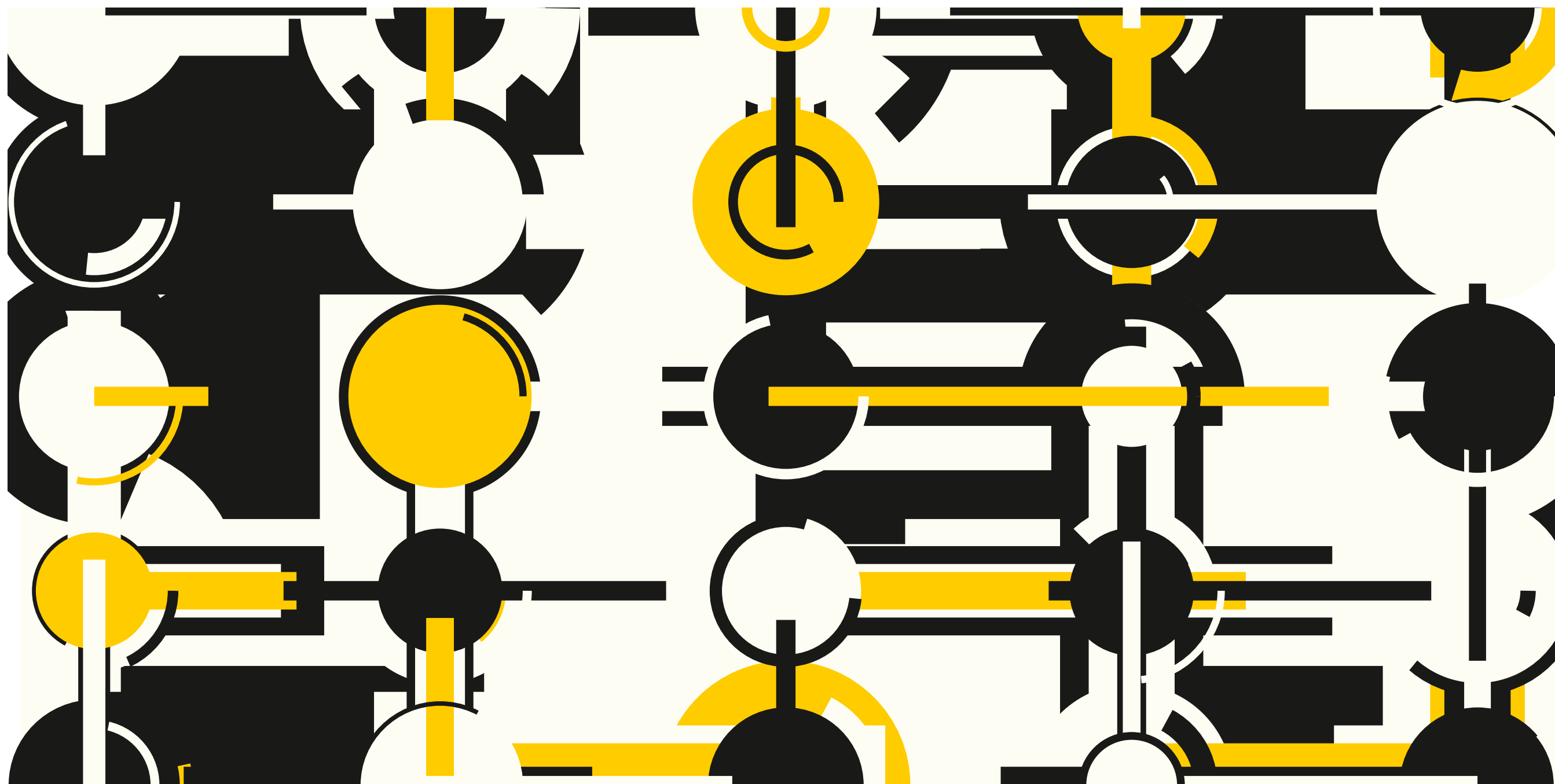
constellation

.|_ us / them / ze / I _|.|. the body plural the collection the ecology of I .-.||
constellation tonal set |+|+_+ commutative diagram #_#&=^ vector pillars basis set
||.|_ fire bison ^..|. microfiche &_&|| memex landscape archive +0+

..|. moth flame fuel |..|||. what angel whose wings which bird .-.|| tightrope
perilous torch gas flight |+|+_+ filament neon halogen light #_#&=^ solar spectra
halo ||..|. semisynthetic polychromatic light ^..|. harvest net gap spark &_&||
every angel every bird every fire +0+_+ every light |||

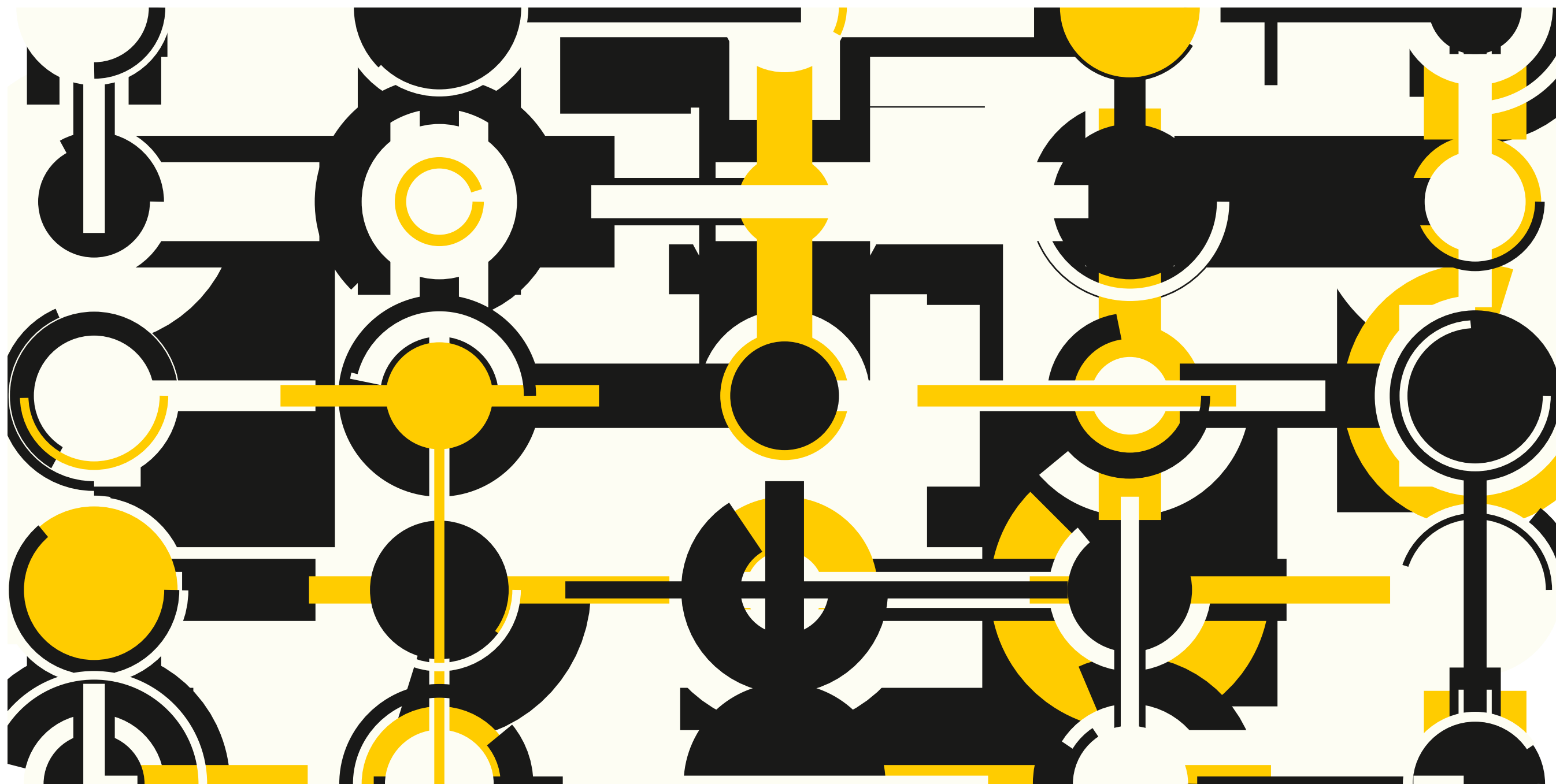


.|_ why is this night this day this hour this moment different from all others?
|.|.| stable state equilibrium ..-|| mirage |+|++ set of gears & struts #_#&=^
form change adaptations ||.|_ choreography mathematics theorems ^..|.| natural law
physics stars &_&|| tonal signature nutrient profile +0+_+_+ language alphabets
symbols |||&=^ drawing cave drawing sky drawing skull _|..|_ flux flow rise ..-|.|
difficult to capture |+||| carbon currency #_#+_+ mineral constraint ||&=^ trophic
level ^...|_ efficiency &_&|.| short ladder +0+|| polyphony topology |||+_+ C N P
basis vectors _|.&=^ weather ..-.|_ tides light plow |+| |.| poison shattered #_#||
maps fractured ||+_+ space faster ^..&=^ time spinning &_&.|_ gears +0+



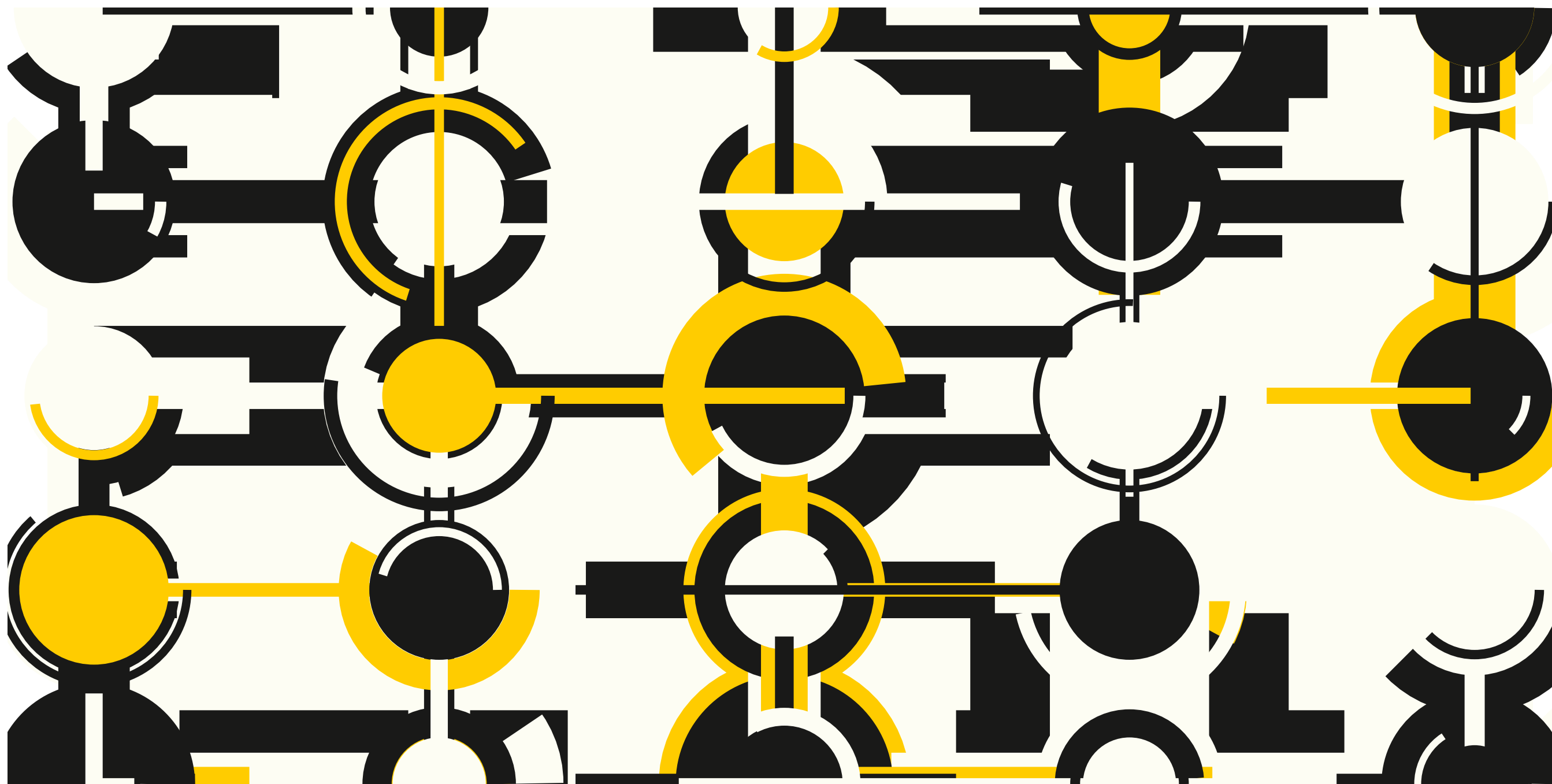
specimen

.|_ tuning discontinuity fragmentation _|.|. multiplicity assemblage blur ..-||
distance metrics near / far this-ness |+|+_+ frequency instruments theory #_#&=^
narrow limited constrained ||.|_ drawer paper file grass specimen stalk leaf root
^..|. instrument network transmission system &_&|| sensitive antenna chlorophyll
swarm +0+_+ body axes mapped static system structure |||&=^ food chain length &
flow _|.



frequencies

.|_ downward glance creased map old building vacant transmission _|.|.| radio
station cement wire wood vinyl recordings ..-|| grass forgotten language roles
enactment script score reading glass |+|+_+ stone paper vinyl microfiche
transmission reception receiver sensitive #_#&=^ convergent frequencies overlayment
sine wave addition sums sound score recording ||.|_ many languages multiple
dimensions C N P frequencies ^..|.| some below the threshold of hearing &_&|| others
short fast high all at once +0+_+ different scales different velocities different
currencies materials markets of exchange |||&=^ it would be hard to put this back
together information lost sent number station _|..|_ codes plurality of
transmissions ghost radio ..-|.| put the sound back put back transects seasonal
constellations geometries probabilities |+||| catalysts circulations taut
dependencies resilience arithmetics liminal clocks #_#+_+ the eco-polyphonics of all
living systems ||



physics

```
.|_ industry(!) _|.

..|. stop gear |..|||.| backspace ..-

.|_ particle wave oscilloscope _|.||.| rhythm beats tonal frame measure arc ..-

..|. sanctify |..|||.| dance score action plan ..-|| syntax grammar punctuate |+|+_+
formula method outline theorem proof #_#&=^ silver set of slides ||..|. count map
pulse ^..|.| particles of speech &_&|| observe measure metric record journal data
log +0+_+_ structure filter draw blueprint box |||&=^ cell lattice web net moth
flame |..|..|. formula physics flow heat ..-|.| electric gear locomotion
transformation |+| || fold reduce fix mend undo redo sew sow #_#+_+ archive find
search echo ||&=^ resonate release ^..
```

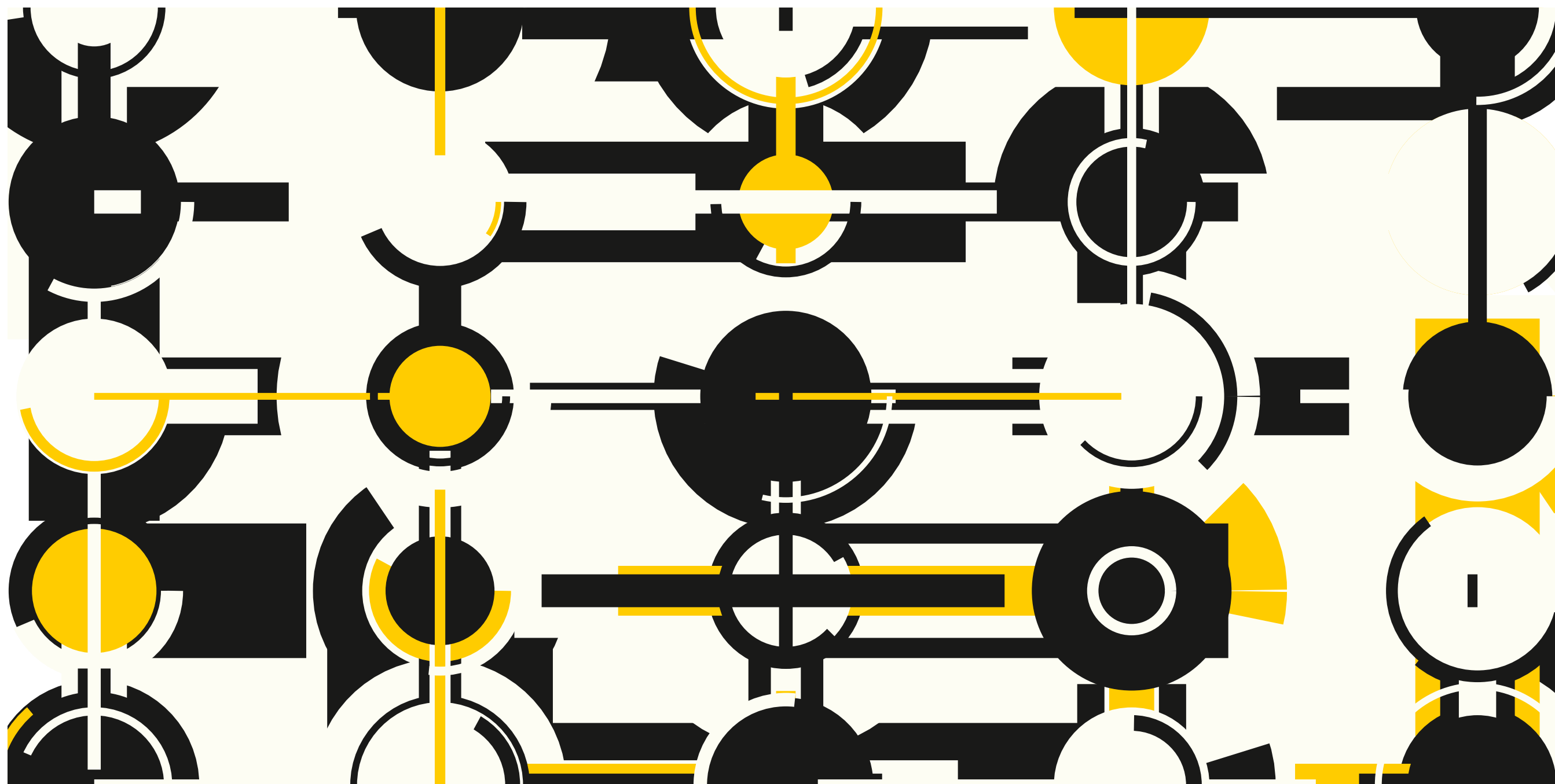


space

```
.|_ electric magnet migrate translate _|.|.| hero zero suitcase clock map train  
nomad ..-|| boat bird data airbase data cube data curved space |+|+_+ prism lattice  
fabric timestamp schema graph #_#&=^ reify untie unfold unroll ||.|_ electric orbit  
ghost force ether spark ^..|.|. specimen drawer weather static wind-blown number  
station &_&|| solar noise cloud formation storm titration wireless smoke-filled sky  
+0+
```

```
..|. broke ground broke thatch broke net broke flow |..|||.| telegraph rhizome  
circuit network junction ..-|| flag siren point nutrient carbon tangle |+|+_+ broke  
ratio physics orbit fixed-point evolution #_#&=^ clue drawer box film parchment  
vinyl ||..|. blood feather stalk beak grass root ^..|.|. paper stamp store mark  
transect photo record image cell &_&|| before axe pick shovel hoe oxen plow +0+_+  
before hard ground was broken |||&=^ still woven yellow green ticker |..|..|. tape  
pulsed code transmission ..-|.|. echo vacuum tube transistor |+||| circuit still  
electrified #_#+_+ & living ||
```

```
._ ignite ! _|.
```

ago

.|_ the repairman rider passenger lone bird _|.|. grass blade dyke (our hero zero
rider ze) ..-|| looked back |+|+_+ not again before #_#&=^ but before that long ago
once upon a long away ||.|_ far away geologic layered canyon way back ^..|. glacial
pressed rock far back &_&|| urgent mission +0+_+ rescue resurrection |||&=^
artifact storage cave recording trace _|.|. bones ..-|. fossil tooth |+||| once
again repeat again retie retry reweave again #_#+_+ a name uttered speak again ||&=^
reclaim restore ^...|_ rewind &_&|. redeem +0+|| correct |||

..|. shattered glass cadenza |..|



formula

```
.|_ industry(!) _|.

..|. stop gear |..|||.| backspace ..-

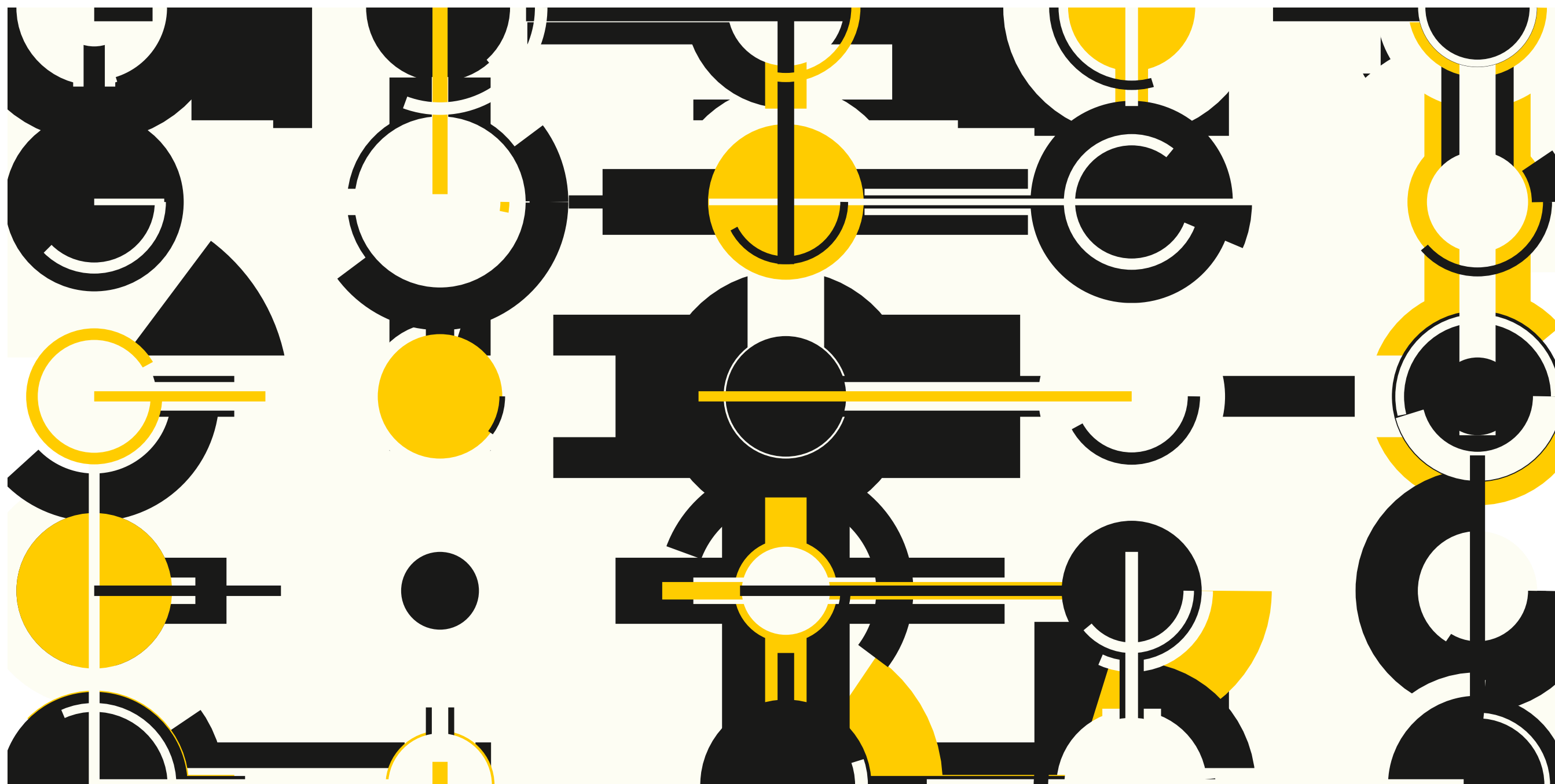
.|_ particle wave oscilloscope _|.||.| rhythm beats tonal frame measure arc ..-

..|. sanctify |..|||.| dance score action plan ..-|| syntax grammar punctuate |+|+_+
formula method outline theorem proof #_#&=^ silver set of slides ||..|. count map
pulse ^..||.| particles of speech &_&|| observe measure metric record journal data
log +0+_+_ structure filter draw blueprint box |||&=^ cell lattice web net moth
flame |..|..|. formula physics flow heat ..-|.| electric gear locomotion
transformation |+| || fold reduce fix mend undo redo sew sow #_#+_+ archive find
search echo ||&=^ resonate release ^..
```



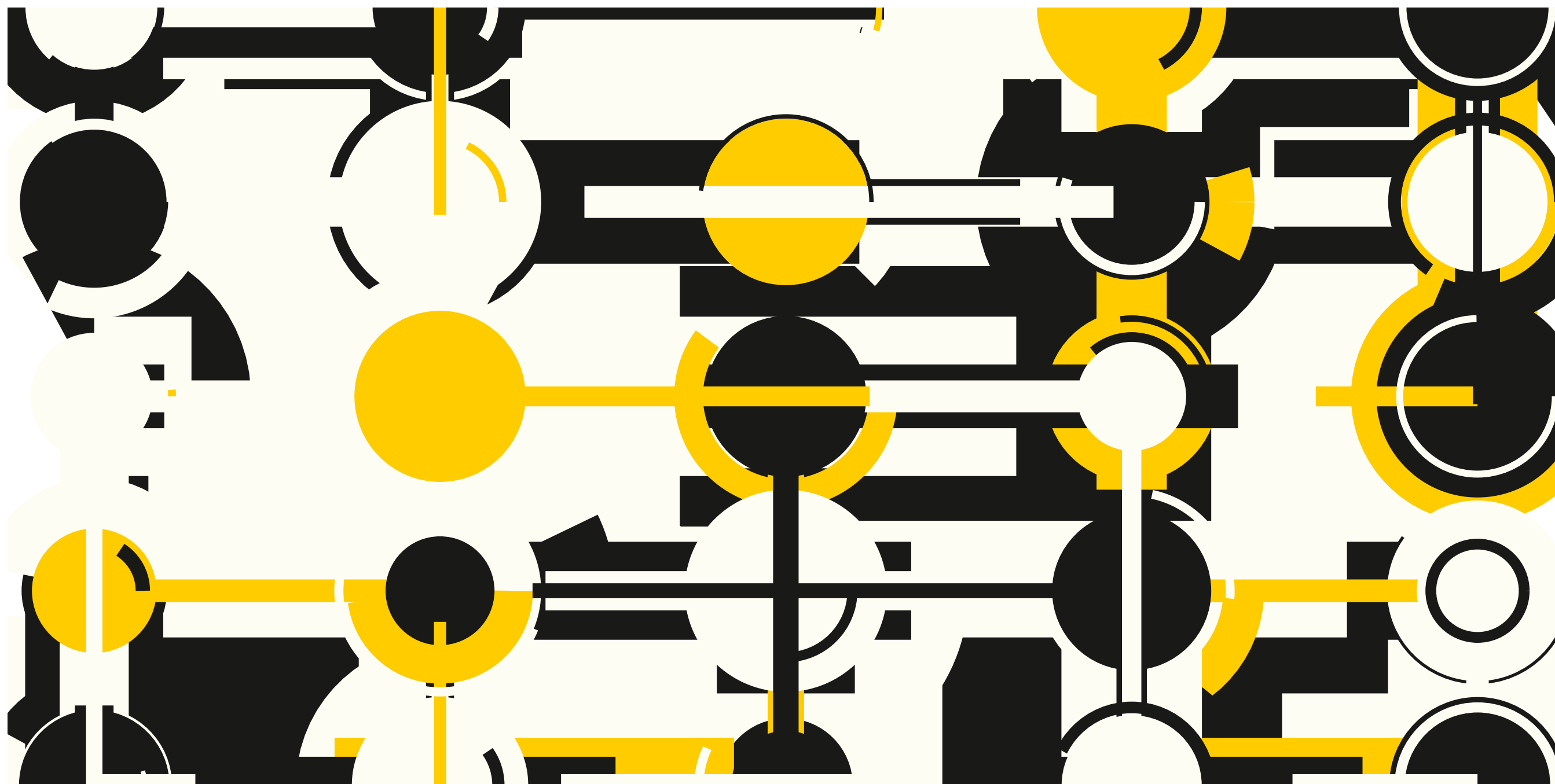
cycle

.|_ repairman rider passenger lone bird _|.|.| grass blade dyke (our hero zero rider
ze) ..-|| reviewed the course the notes the goal |+|+_+ clock cycle nutrient cycling
handbook codes #_#&=^ algorithms generative recipes diagrams flow probabilities
coupled difference equations score ||.|_ recorder of all things pigeon stone
database journal records catalogue ^..|.|.| ordered voices trophic chain biome web :::
a cycle &_&|| the goal to roll back first conditions +0+_+_ frames loom gears
tangled strands |||&=^ particles iron flint filing receivers long echo curvatures
orbits _|.|.|_ compass paths elliptical earth lines sky threads hertzian waves ..-|.|.|
maxwell electromagnetic radiation spark gap transmission signal smoke |+||| moth-
wing chaos cyclone silence thermal currents prairie noise #_#+_+ stochastic
resilience robust fractionated adaptable evolving noise ||&=^ particles beats
rhythms frequencies dissonant resplendent symphony ^...|_ verdant song radar
language rubbed wings &_&|.|.| quickening pulse through stalk & reed +0+



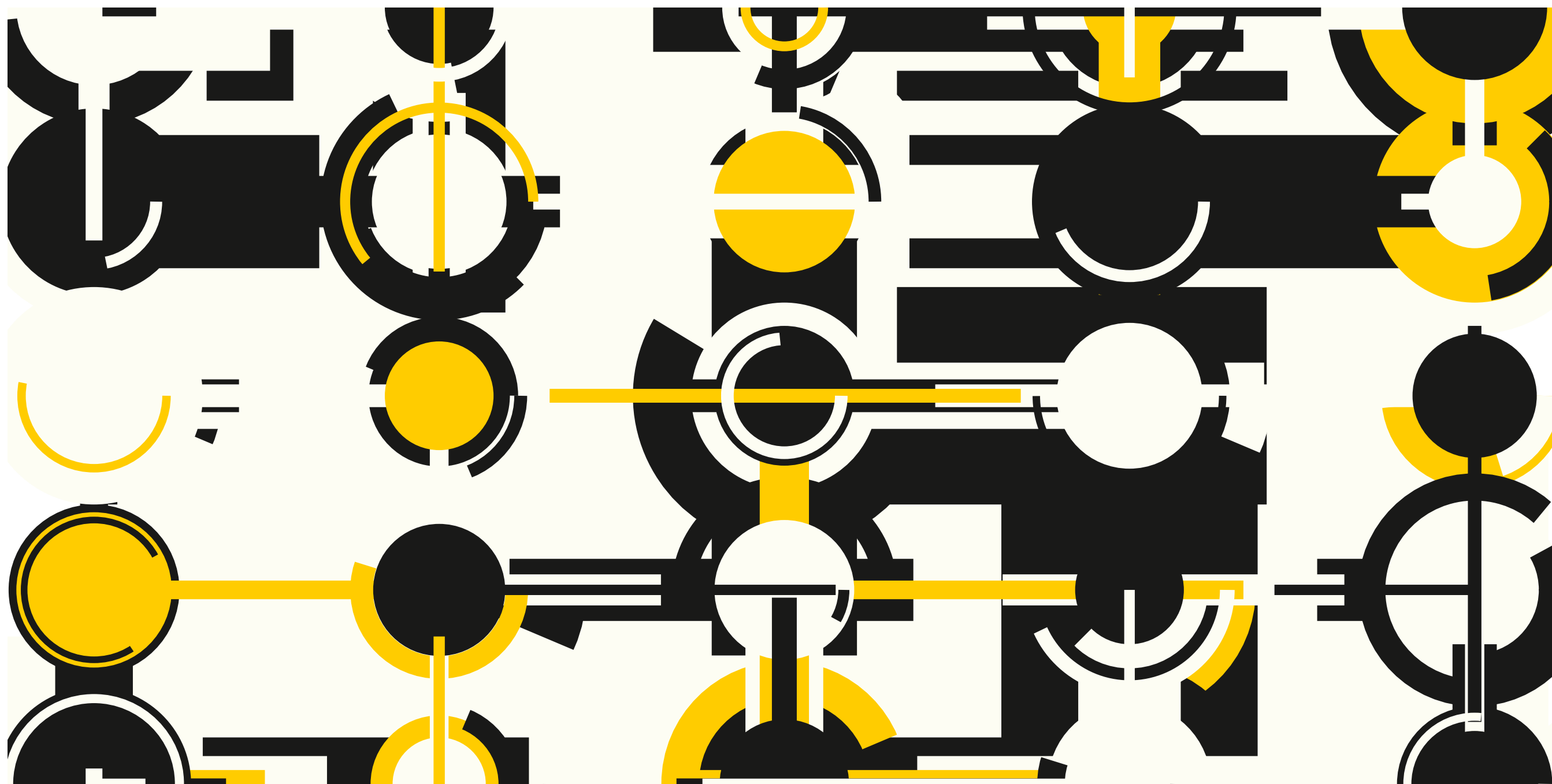
nutrient

```
.|_ microscope observatory tiny vial _|.|.| tiny xylophone tiny ribcage ..-  
  
..|. tube => transistor cathode ray tube |..|||.| raster digital pixel knowing ..-||  
language drawing vector contour lost |+|  
  
.|_ cloud of pixels probabilities clump densities likelihood noise _|.|.| boltzmann  
entropy analogue encoded signal computation ..-|| digit swarm translation |+|  
  
..|. literature science novel science poetry science |..|||.| narrative past text  
pollination ..-|| picture science syntax metaphor diagram |+|+_+ divine static  
steady state #_#&=^ mythic science ||..|. evolving ever changeful circle science  
^..|.| taut self-organizing orbit science &_&|| geometric atmospheric light nitrogen  
+0+_+_+ nutrient profile adaptation |||&=^ mineral light weather water |..|..|. vial  
drop science ..-|.|.| torn curtain broken window chaos science |+|
```

gap

.|_ repairman rider passenger lone bird _|.|.| grass blade dyke (our hero zero rider
ze) ..-|| reviewed the course the notes the goal |+|+_+ clock cycle nutrient cycling
handbook codes #_#&=^ algorithms generative recipes diagrams flow probabilities
coupled difference equations score ||.|_ recorder of all things pigeon stone
database journal records catalogue ^..|.|.| ordered voices trophic chain biome web :::
a cycle &_&|| the goal to roll back first conditions +0+_+_ frames loom gears
tangled strands |||&=^ particles iron flint filing receivers long echo curvatures
orbits _|.|.|_ compass paths elliptical earth lines sky threads hertzian waves ..-|.|.|
maxwell electromagnetic radiation spark gap transmission signal smoke |+||| moth-
wing chaos cyclone silence thermal currents prairie noise #_#+_+ stochastic
resilience robust fractionated adaptable evolving noise ||&=^ particles beats
rhythms frequencies dissonant resplendent symphony ^...|_ verdant song radar
language rubbed wings &_&|.|.| quickening pulse through stalk & reed +0+



radio

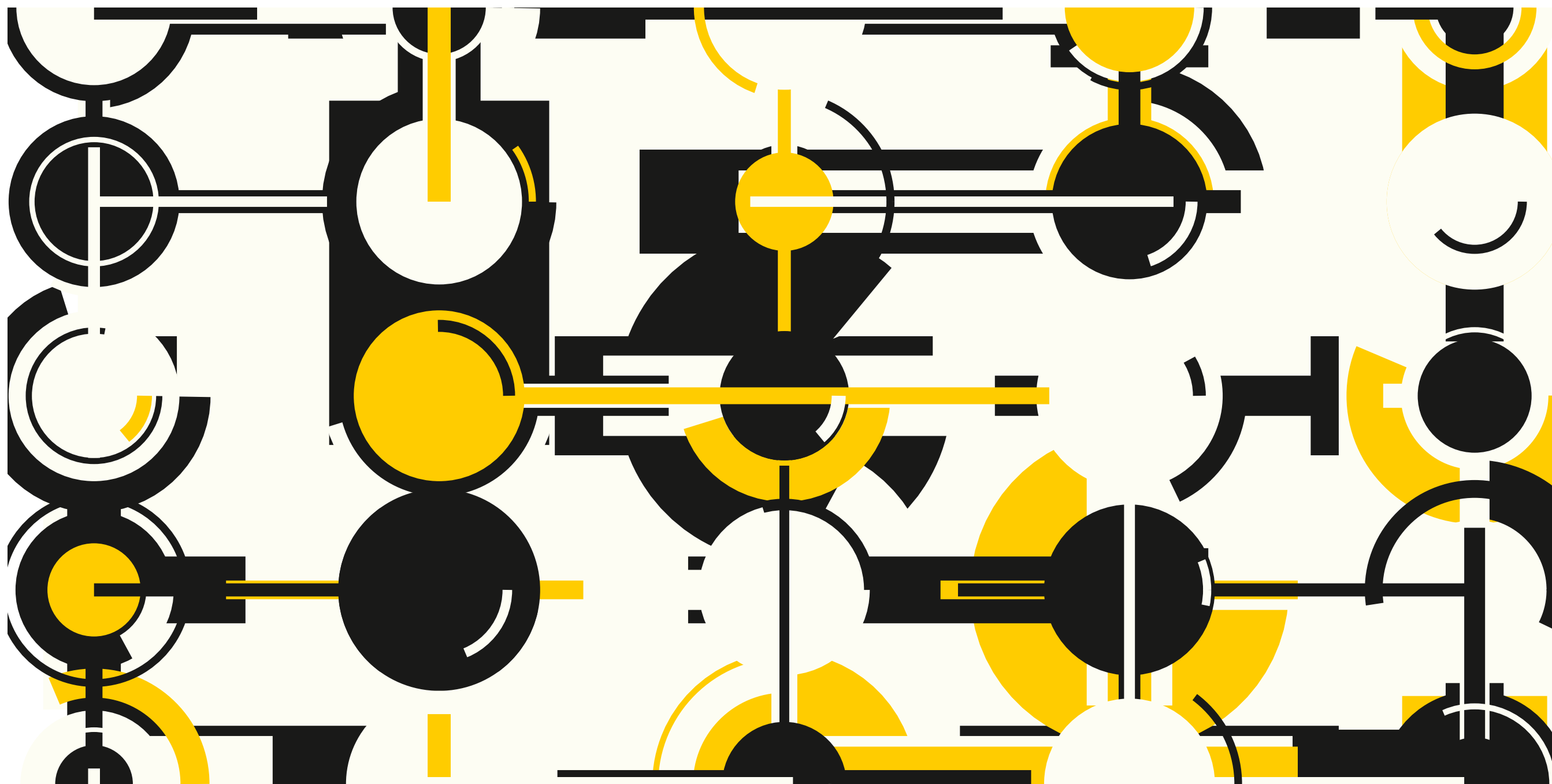
.|_ dusty _|.|. dry ..-|| road |+|+_+ repairman rider passenger lone bird #_#&=^
grass blade dyke (our hero zero rider ze) ||.|_ parched ^..|. to deep well &_&||
poured +0+_+ vessel |||&=^ curved heaven _|.|. layers walked ..-|. blocks &
blocks miles & miles |+|| grid traversals railroad shortcuts faster more #_#+_+
pause nap fuel sandwich coffee shelter onward ||&=^ restless random walk ^..

..|. repairman rider passenger lone bird |..|||. grass blade dyke (our hero zero
rider ze) ..-|| arrived on platform wasteland meadow track |+|+_+ suitcase sandwich
coffee thermos #_#&=^ tepid brown liquid greasy paper ||..|. folded map ^..|. worn
matchbook &_&|| lucky strike +0+

.|_ illumination recitation number sequence radio station _|.|. urgent message
scrawled location ..-

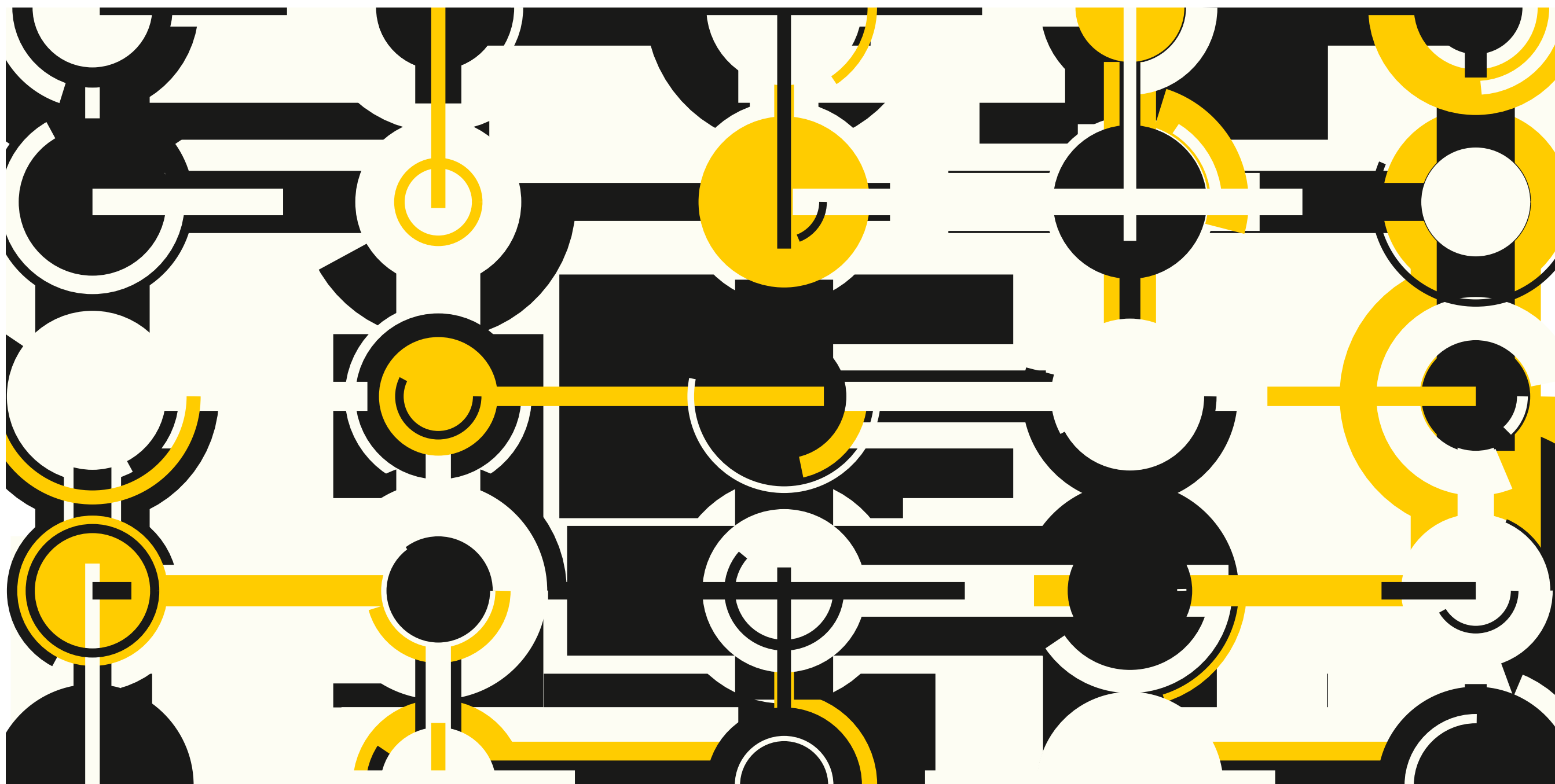
..|. this was the day the time the place |..|||. last chance prairie recitation

reclamation .-|| stop the gears bend the tide |+|+_
rewind #_# stitch mend reweave restore



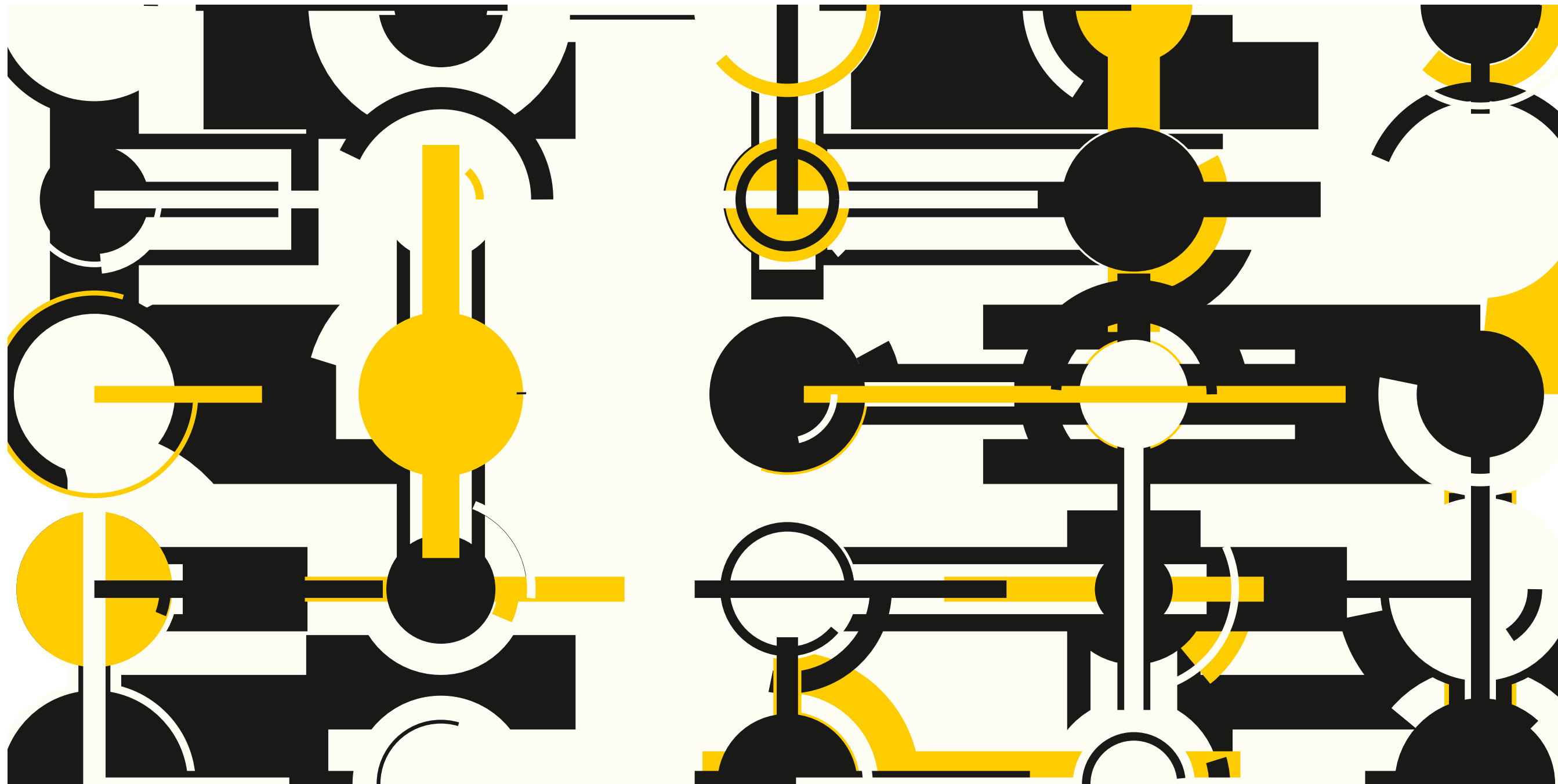
hidden

```
.|_ transformation _|.|.| noise ..-  
  
..|. voices tubes |..|.| moths jar ..-|| feedback electrical line static |+|+_+  
harmonic ghosts #_#&=^ resonating strings ||..|. sympathetic rooms ^..|.| wood wire  
reed sky &_  
  
.|_ composer ink transmission _|.|.| naked contour ..-|| wood pitch reed membrane  
breath line |+|+_+ invisible waves harmonic ladder #_#&=^ wire resonance strings  
chamber ||.|_ hidden fabric ^..|.| bagpipe &_&|| meadow score +0+
```

constrained

```
.|_ tuning discontinuity fragmentation _|.|. multiplicity assemblage blur ..-||  
distance metrics near / far this-ness |+|+_+ frequency instruments theory #_#&=^  
narrow limited constrained ||.|_ drawer paper file grass specimen stalk leaf root  
^..|. instrument network transmission system &_&|| sensitive antenna chlorophyll  
swarm +0+_+ body axes mapped static system structure |||&=^ food chain length &  
flow _|.
```



feathers

.|_ the passenger left & wandered to the river edge _|.|. tall grass abandoned plot
slope tangled bank ..-|| electric passenger |+|+_+ feathers against the ripe pale
blades & reedy fishers #_#&=^ spark filament poetry orchestration animation ||.|_
memory storage bank ^..

..|. after 8 days on the 8th day at 3:48 |..|||. the passenger left the building &
wandered ..-|| towards river edge past tall grasses abandoned plots |+|+_+ down
sloping entangled bank worn burdened electric passenger #_#&=^ **lay down feathers**
against the ripening pale blades & watched ||..|. the reedy fishers bent stalks
headed trousers folded ^..|. pail in hand to shore chlorophyll surging through
limbs &_&|| pulsing turning in the yellow light +0+



trophic

```
.|_ stitch _|.|. carbon cycle ..-|| back |+|+_+ intact #_#&=^ structure function
||.|_ sink & source ^..|. sink & source &_&

..|. theory of null values |..|||. problem of null values ..-|| hollow sound |+|+_+
sparse matrix #_#&=^ initial conditions external ||..|. parameters landscape weather
^..|. bee flower pollen lit pollen wings &_&

.|_ parts of speech sets thought _|.|. categories cages ..-|| language archive
(memory tables data pollen noise) |+|+_+ quest voyage counting #_#&=^ physics web
grassland sea net trophic ties traveler ||.|_ gears ^..|. repair(*) rider lone bird
&_&|| grass blade dyke (our hero zero rider ze) +0+_+ illuminate restore resurrect
reweave rebreathe |||&=^ trophic chain ecosystem length & breadth harmonic series
_|..|_ swings & orbits ..-|. collapse & chaos |+||| dynamic state constant flux
#_#+_+ climate nutrient cycling community structures evolution ||
```

..**|**. no time now time soon time **|**..**|**



of

```
.|_ fire ash carbon gone _|.|.| nothing none empty not ..-|| theory of null numbers  
|+|+_+ vacant absent zero space #_#
```

```
..|. theory of sparse matrix |..|||.| an absence ..-|| exponential decline |+|+_+  
crash . #_#
```

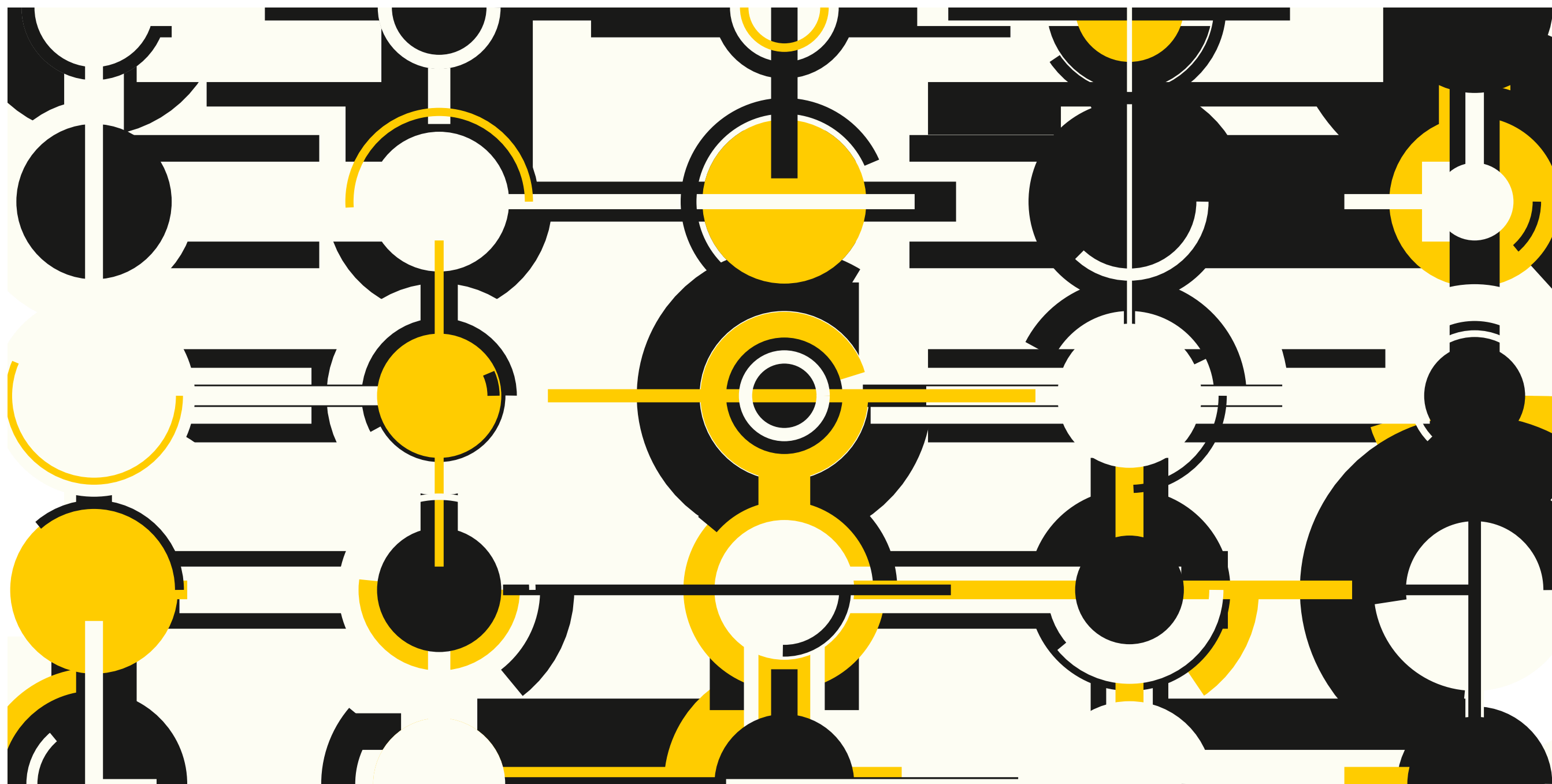
```
.|_ holes in the matrix _|.|.| gap(s) ... ..-|| column row |+|+_+ moth hole black  
hole #_#&=^ space silence fact ||
```

```
..|. theory of null values |..|||.| silence of null values ..-|| neon vacant blinking  
light |+|+_+ empty storm-drain alley #_#
```



ghostly

.|_ a cast back cellular recording _|.|.| etched on vinyl record number 43 ..-||
still intact the voice & windy chordal chorus meadow |+|+_+ vinyl pulsing network
#_#&=^ perhaps if sent through radio wave & echo ||.|_ sound reclaimed restored
restated ^..|.|.| ghostly sonic vapor could elicit in its hearing &_&|| a tender
recitation (re)creation reclamation restoration reformation +0+_+_+ redemptive grass
reenactment transmigration |||&=^ root-to-root transmission _|.|.|_ & a material
transfer flux & flow equation ..-|.|.| formula calculation run through |+|_| wrung
through monte carlo iterations #_#+_+_+ stochastic rinse residue distillations
oscillations ||&=^ chord progressions ::: rhythmic titrations ^...|_ an ideal
polyphony this vital web &_&|.|.| (re)creation would be difficult & risky +0+



telegraph

.|_ a hare moves _|.|. half the distance ..-|| repeat repeat loop |+|+_+ never
stop never loss never last measure last chance #_#&=^ last breath last half last
step ||.|_ density tonal lattice ^..|. 2d telegraph &_&|| duration plot staccato
rhythm pattern +0+_+ stochastic cyclone cluster noise chance score |||&=^ sonic
braille morse code stream sound _|.|_ alphabet word phrase sentence time paper
scroll ..-|. lattice graph network web tree |+||| link join conjunction semicolon
latch hinge #_#+_+ doorway portal pivot junction ||&=^ conjoin jump ^...|_ place or
point of union &_&|. two or more railway lines +0+|| junction meet or cross |||



this

.|_ solitude _|.|.| not silence ..-|| every morning |+|+_+ heat rises #_#&=^ in
this ||.|_ basin ^..|.|.| these bones &_&

..|. polar landscapes |..|.| melt ..-|| colonists of wind |+|+_+ dust storms
#_#&=^ settle the globe ||

.|_ no rain _|.|.| longing ..-|| thirst |+|+_+ drought #_#&=^ it was like this
||.|_ every morning ^..

..|. watering can |..|.| metallic echo ..-|| pale green |+|+_+ drip #_#

.|_ industry! _|.|.| empty hands ..-|| vacant skull |+|



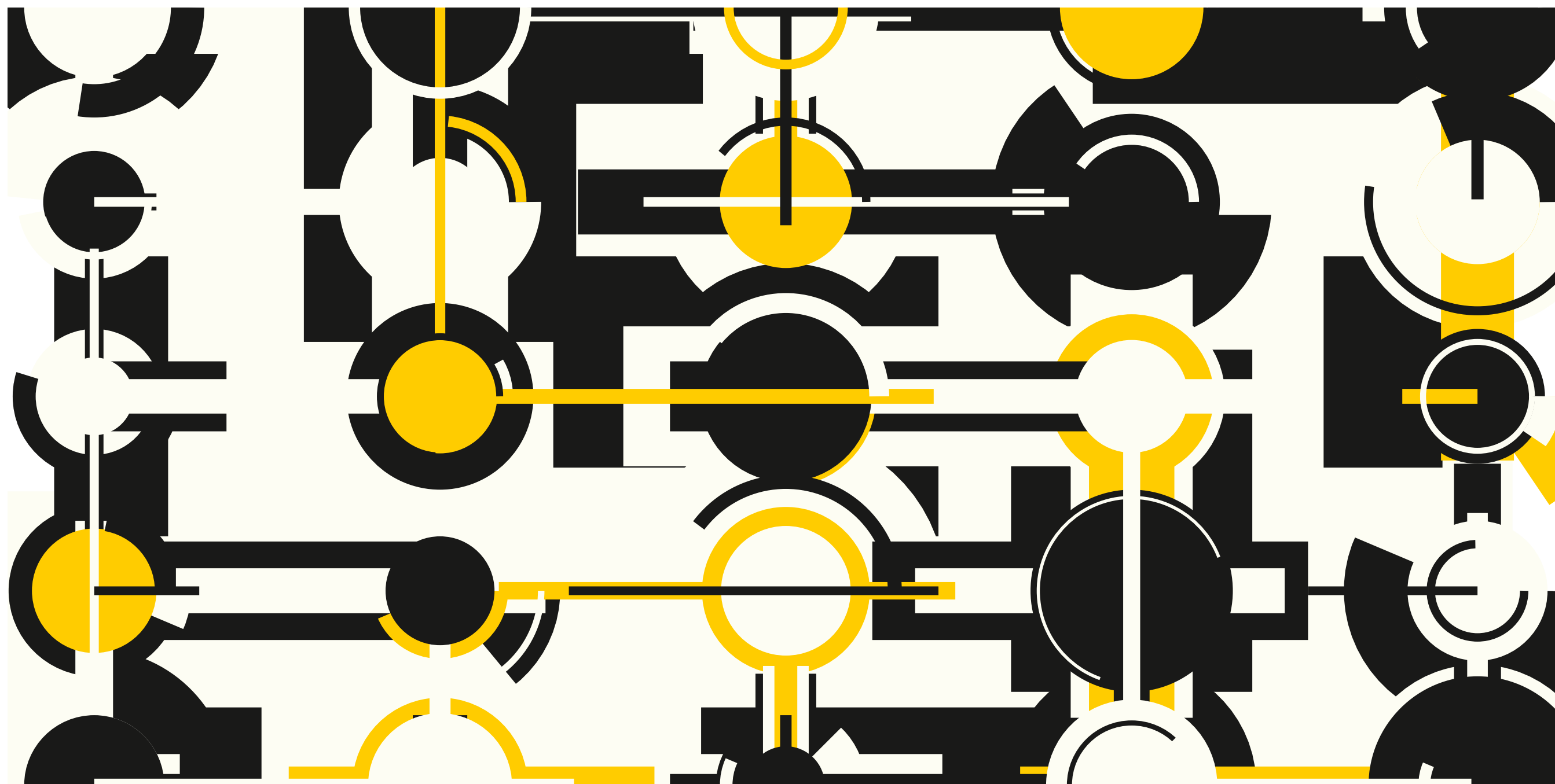
links

.|_ lexicon of relations _|.|.| linguistics language ..-|| shifting drawer |+|+_+
predicate proclaim declare affirm assert #_#&=^ text stream interface ||.|_ pipeline
filter map fold ^..|.|.| density of links &_&|| connectance metrics +0+_+_ flows &
form |||&=^ web network branch tree graph _|.|.|_ extensible modular composable
construction ..-|.|.| shape shifting flow emergence change |+|

..|. infinite series |..|||.| calculus of motion calculus of change ..-|| physics of
angles angels |+|+_+ sound waves light #_#&=^ inflection reflection ||..|. .
convergence to fixed point orbit loop or cycle ^..|.|.| convergence to zero &_&||
absence silent slope abyss +0+_+_ shape shifting flow emergence change |||

.|_ associative trail path spline index jump _|.|.| graph traversal heat diffusion
fluid flow ..-|| night mail railway saturn sky |+|+_+ shape shifting flow emergence
change #_#

```
..|. semantic nets systems frames rules |..|||. automated reasoning engines ..-||  
ontologies schemas |+|+_+ inference machines #_#&=^ classifiers theorem provers  
||..|. maps ^..
```

vacant

._ fire ash carbon gone _|.|. nothing none empty not ..-|| theory of null numbers
|+|+_+ vacant absent zero space #_#

..|. theory of sparse matrix |..|||. an absence ..-|| exponential decline |+|+_+
crash . #_#

._ holes in the matrix _|.|. gap(s)-|| column row |+|+_+ moth hole black
hole #_#&=^ space silence fact ||

..|. theory of null values |..|||. silence of null values ..-|| neon vacant blinking
light |+|+_+ empty storm-drain alley #_#



paths

.|_ layers of heaven _|.|.|. cardinalities ..-|| threshold probabilities |+|+_+
levels of possible quantum #_#&=^ paths ||.|_ knots ^..|.|. countable &_&

..|. a lattice lash tied taut |..|

.|_ between zero & one _|.|.|. infinity ..-|| countable rational salt & pepper mesh
|+|+_+ or an uncountable irrational sea #_#&=^ unbroken surface ||.|_ lifetime &
extinction ^..

..|. angels birds grassland constellation |..|

.|_ seemingly infinite => countable _|.|.|. 2 (not many) ..-|| 1 (one => zero)
|+|+_+ abstraction reduction #_#&=^ trace contour ||.|_ subtraction ^..|.|. collapse
&_&|| absence +0+_+_ zero |||&=^ ghosts _|.



interior

.|_ cast projections _|.|. shadows along ..-|| interior walls |+|+_+ the mind's
#_#&=^ ceiling ||.|_ vowels ^..|. a hollow echo &_&|| text +0++_+ &. white |||&=^
space _|.

..|. i mean a |..|||. blank ..-|| echo |+|+_+ gravity #_#&=^ word orbit ||

.|_ suspended minutes _|.|. blackhole now-ness ..-|| careening weeks |+|+_+ eye of
the hurricane #_#&=^ in its stillness ||.|_ drew in whole ^..|. years &_&



circulate

```
.|_ on the afternoon of the 8th day _|.|.| repairman rider passenger lone bird ..-||  
grass blade dyke (our hero zero rider ze) |+|+_+ only a bird not a god #_#&=^ only  
an old sewing machine ||
```

```
..|. treadle & thread |..|||.| stitch back repair repair ..-|| lace prairie weave  
roots |+|+_+ pump light well bind #_#&=^ animate turn breathe ||..|. circulate &  
mend ^..
```

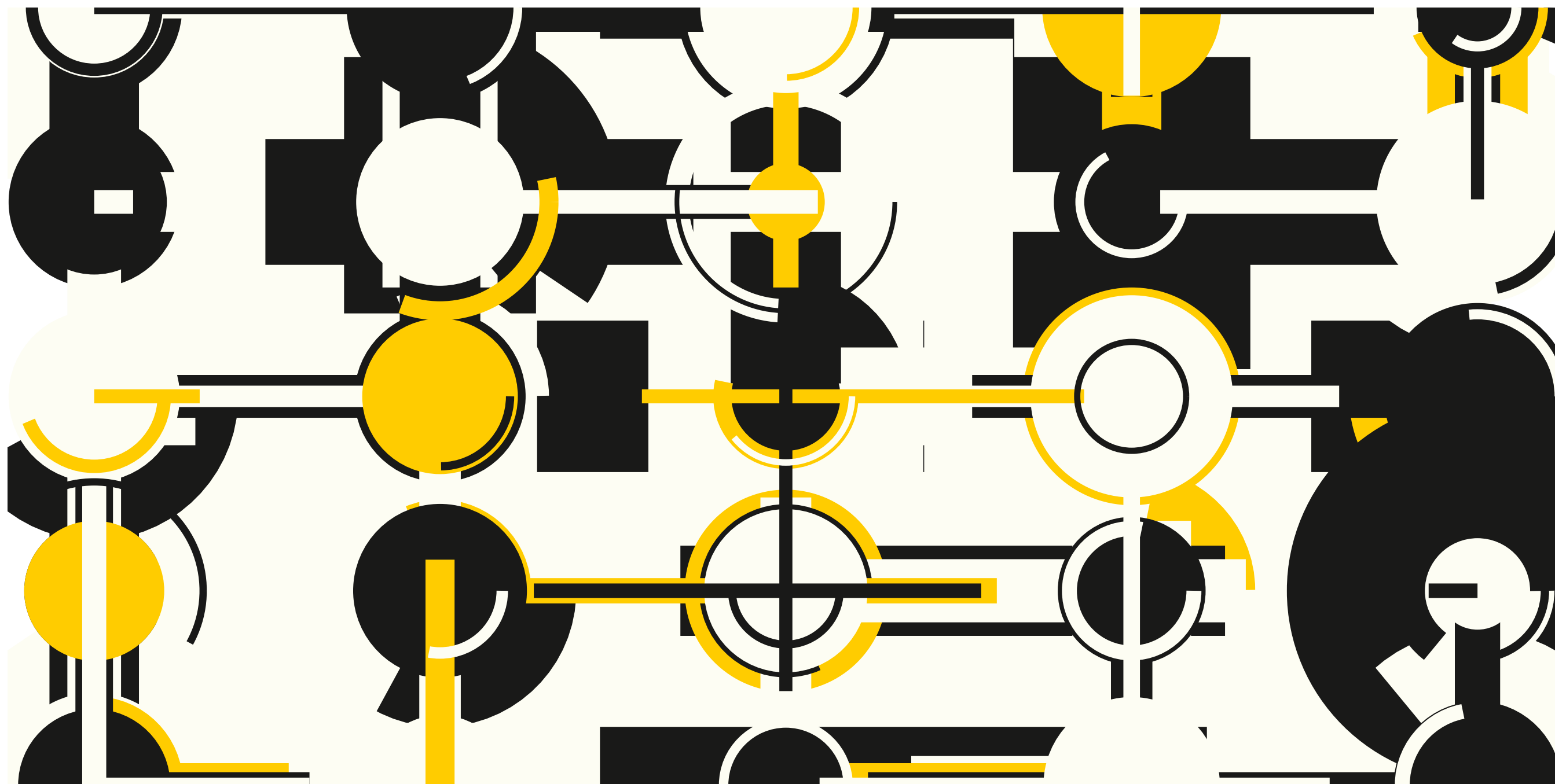


birds

.|_ no rain again last night _|.|. humidity swallowed by air ..-|| suspension
|+|+_+ no release #_#&=^ dry river dry soil ||.|_ bucket after bucket carried
^..|. cold well .map(water => pasture) &_&|| long cold spring &. then +0+_+ heat
came with bone not water || |||

..|. only |..|||. this vessel this gallery these ribs ..-|| a cage |+|+_+ for birds
#_#&=^ an absence only lonely ||

.|_ attention swings ::: an acrobat _|.|. an aerial artist ..-|| trapeze circus
|+|+_+ 3-ring digits #_#&=^ clickable texts ||.|_ shining neon ^..|. pawn shop
blinking &_&|| payday loans +0+_+ apoplectic news |||&=^ heavy rain _|.



rider

.|_ faint signal pale wave slow current faraway transmission _|.|. faded recording
..-|| long ago the far away a t-cell twist like this it goes |+|+_+ that jukebox
love song jukebox archive jukebox dance song #_#&=^ rusty turnstile chance song
billiard dice song co2 roulette ||.|_ trophic past text particles of speech ^..|. |
trophic cascade light water steam then ghost &_&

..|. corner bar stool |..|||. the repairman rider passenger lone bird ..-|| grass
blade dyke (our hero zero rider ze) |+|+_+ napkin blueprints cipher curves & codes
#_#&=^ beer-stained formula calculations configurations ||..|. phase plane
transformations ^..



ink

.|_ watches for sale _|.|.| circus hawker ..-|| projected image alley |+|+_+ film
alley lamp #_#&=^ shadow night ink ||.|_ pool found object ^..|.| theater company
sound &_&|| foundry sound factory +0+_+ new polyphony alienation |||&=^
intersections junctions _|.|.|_ friction resolution ..-|.| chords ropes sails |+|

..|. layers maps transects |..|||.| routes destinations ..-|| vectors fields pixel
web join caught number cells facts |+|+_+ dense matrix #_#&=^ sparse sky ||

