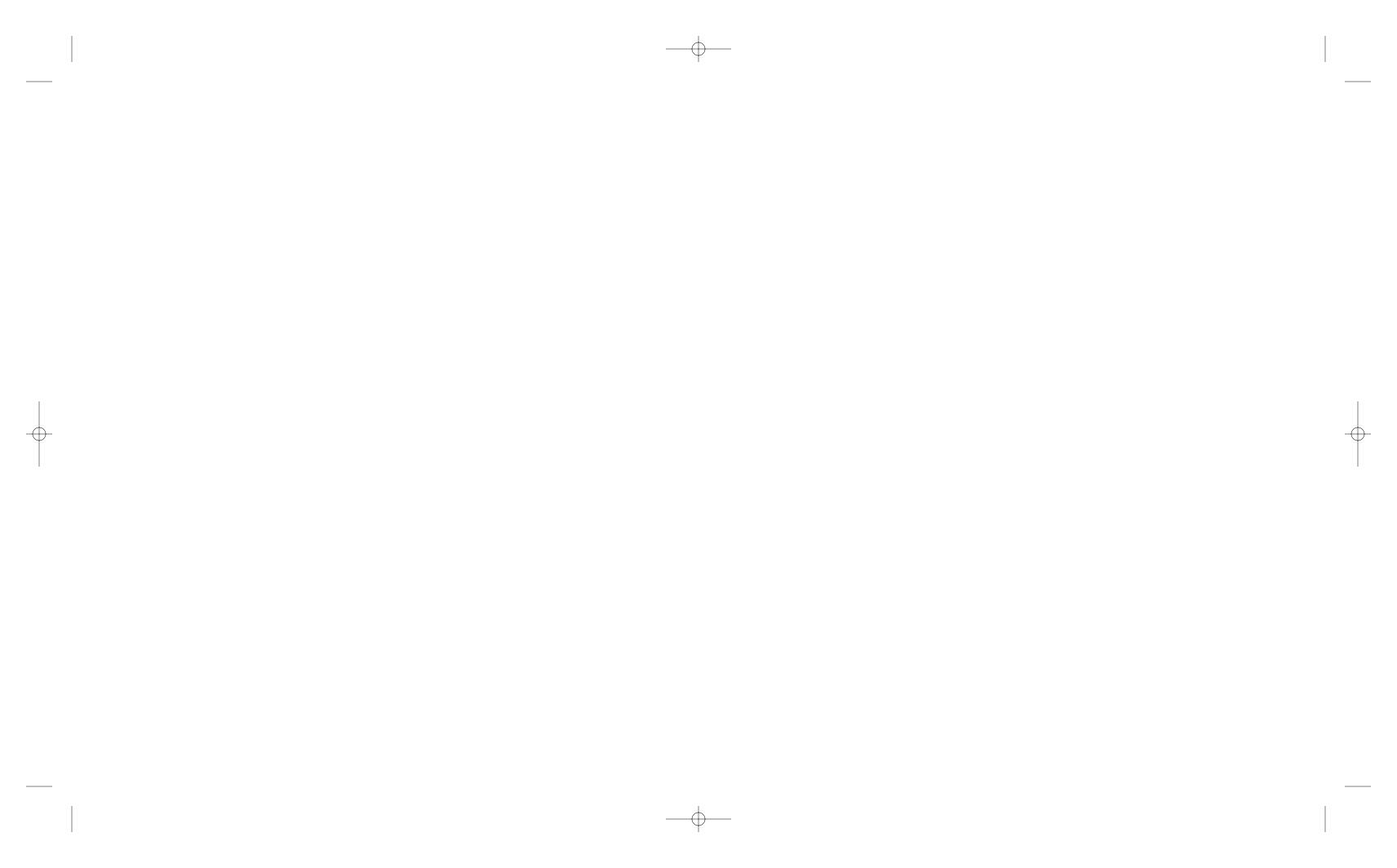
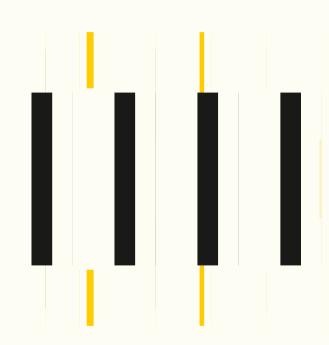
# topology

sketch ::: 1706410416479

mctavish



ground . \_ 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 || .|\_\_ig<mark>n</mark>ite!\_|.

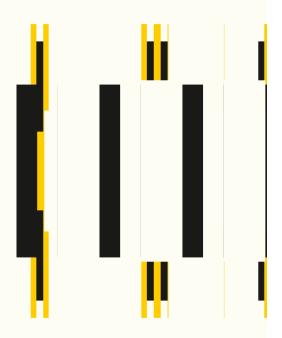


.|\_ stitch \_|.|.| carbon cycle ..-|| back |+|+\_+ intact #\_#&=^ structure function ||.|\_ sink & source ^..|.| sink & source &\_&

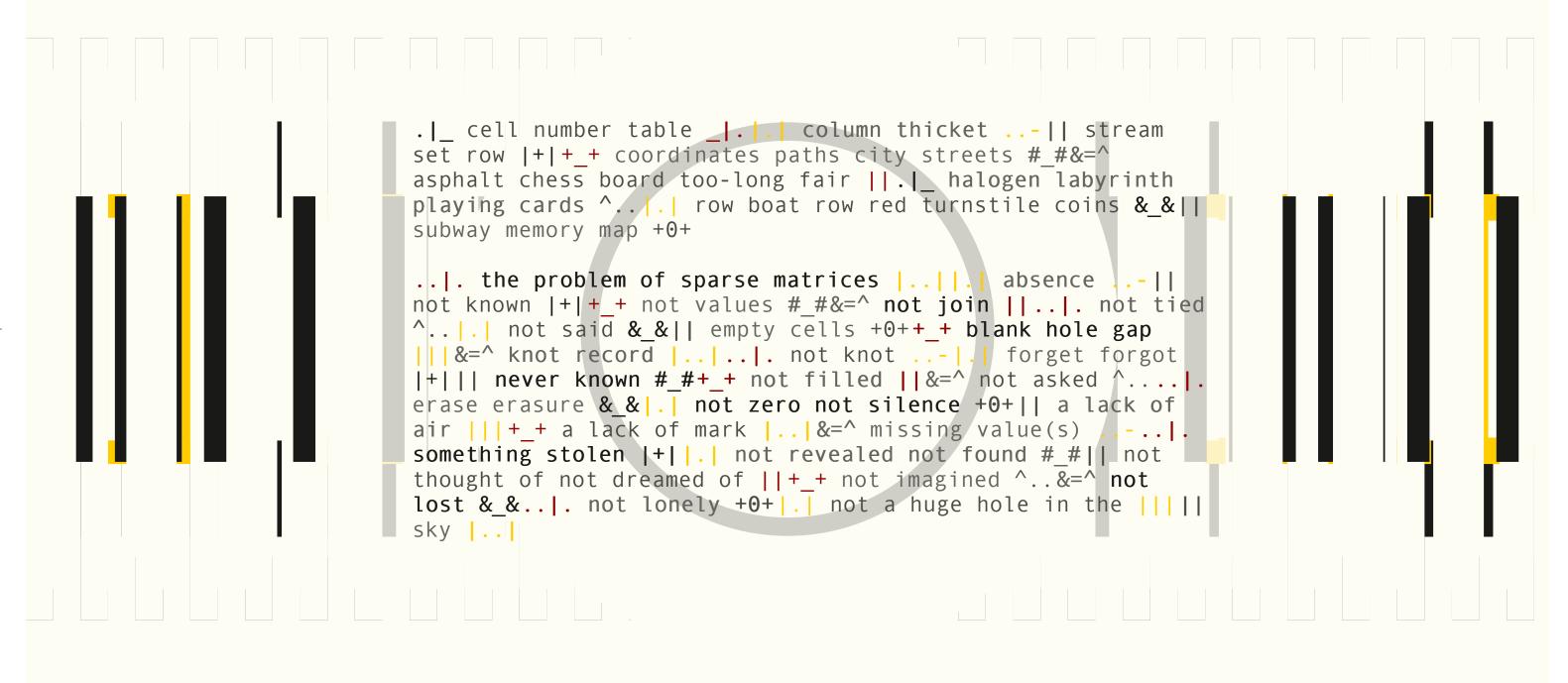
...|. theory of null values |...| | problem of null values | ...-|| hollow sound |+|+\_+ sparse matrix #\_#&=^ initial conditions external ||...|. parameters landscape weather ^...| bee flower pollen lit pollen wings &\_&

.|\_ 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 ||

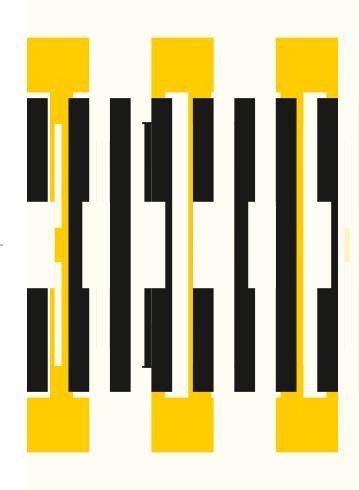
..|. no time now time soon time |...|



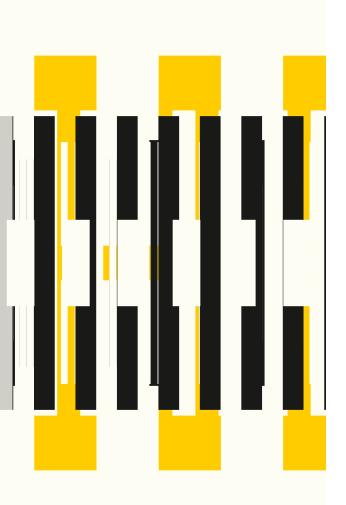
#### matrices

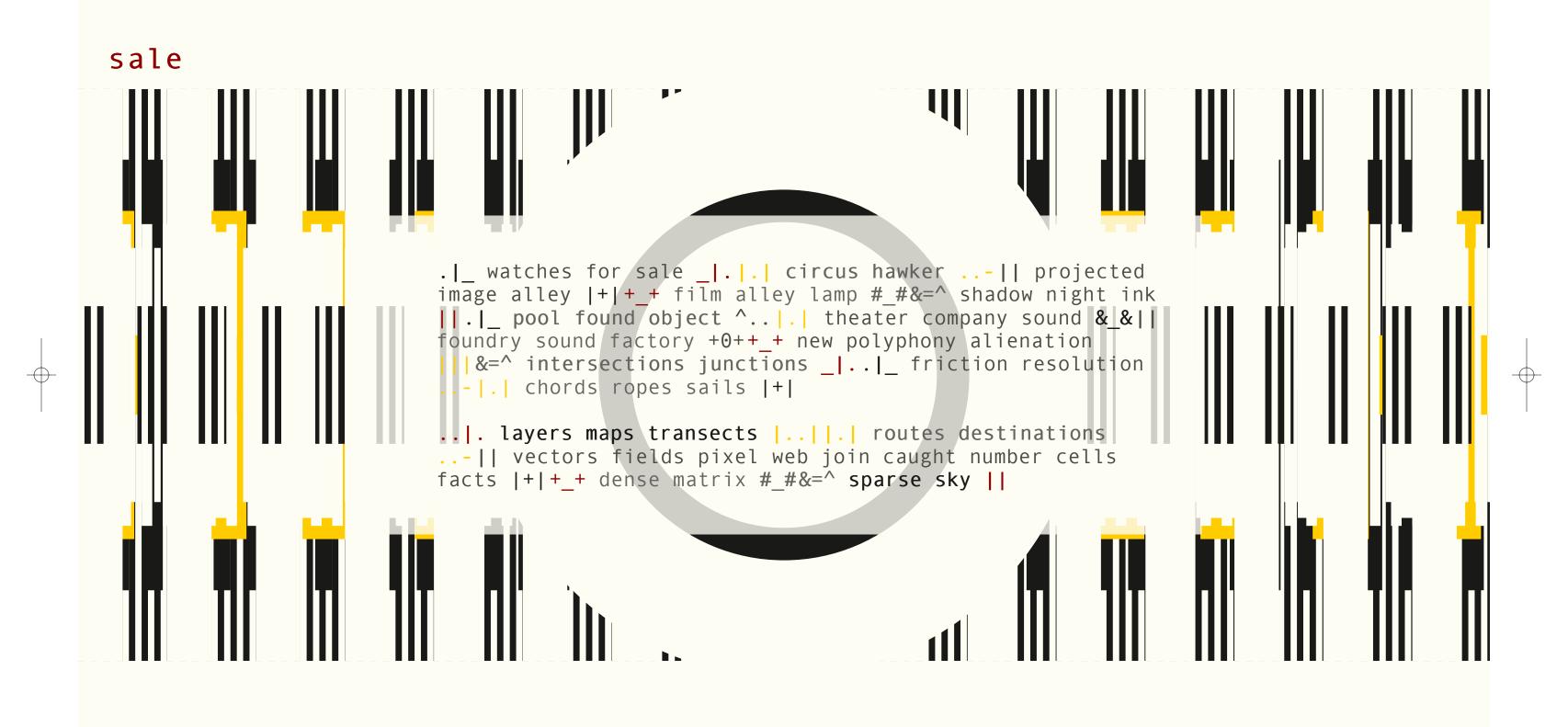


## probabilities

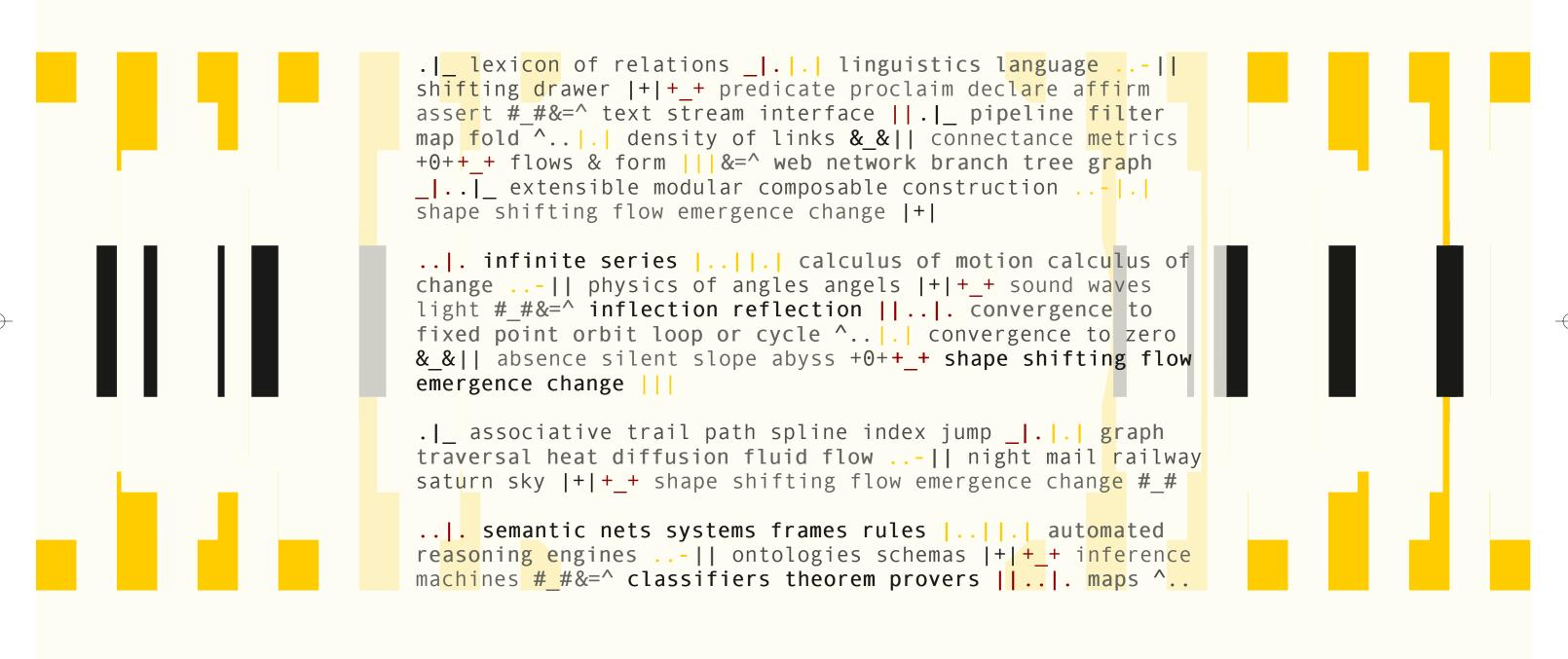


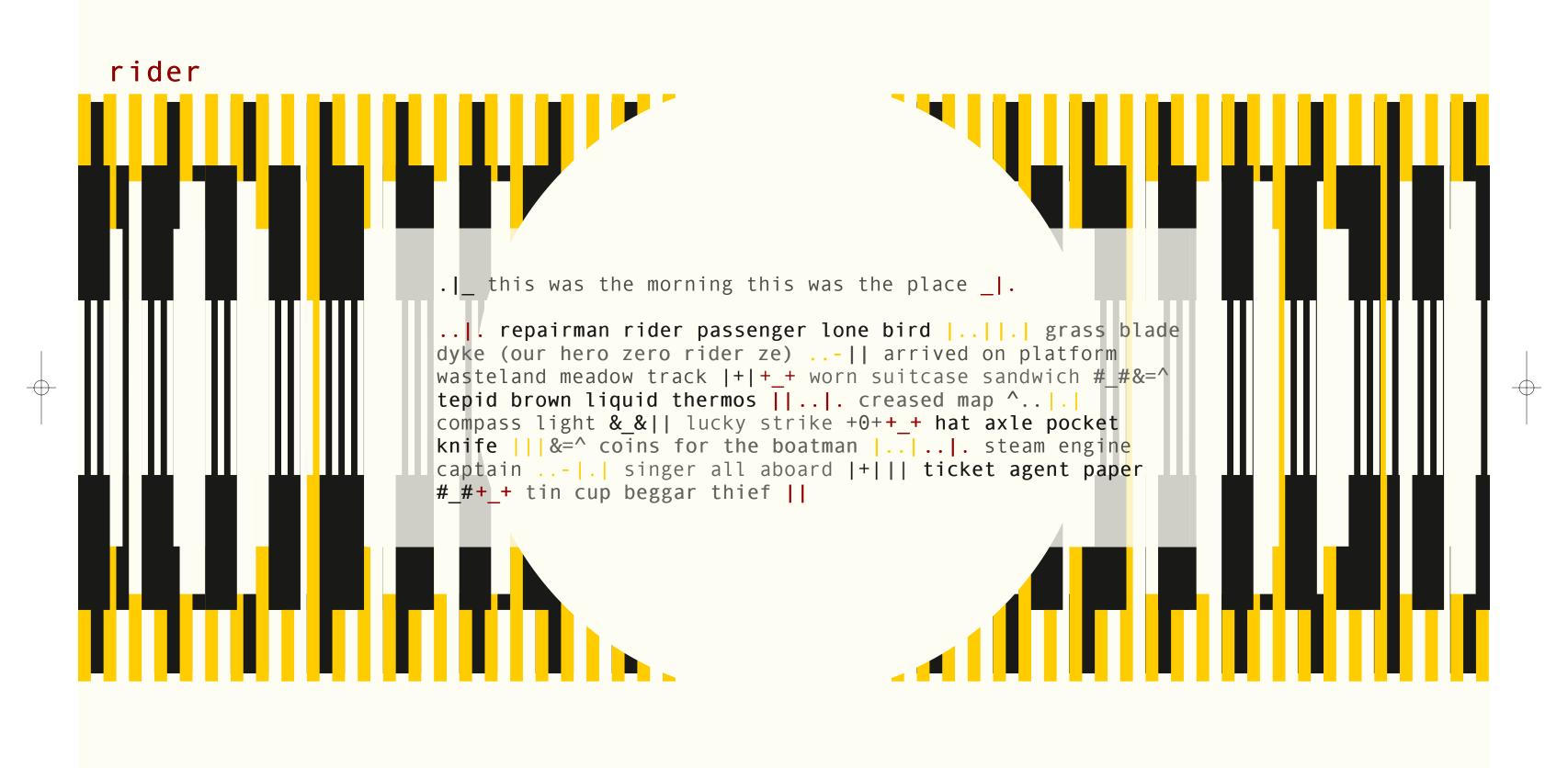
.| repairman rider passenger lone bird \_|.|.| grass blade dyke (our hero zero rider ze) ..- | | reviewed the course the notes the goal |+|+ + clock cycle nutrient cycling handbook codes # #&=^ algorithms generative recipes diagrams flow probabilities coupled difference equations score ||.| recorder 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+





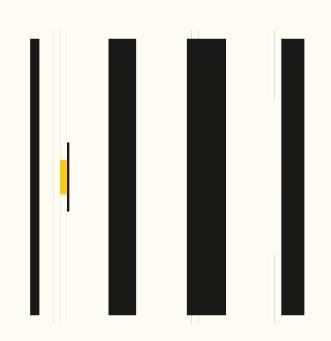
#### absence





. \_ homeostasis functions script energy production \_ [. ]. flows\_& motion ..-|| minerals carbon |+|+\_+ produced consumed released #\_#&=^ the mill ||.|\_ the body ::: a federation ^.... web loom constellation &\_&|| temporary boundary of skin +0+++ stoichiometric polyphony  $|\cdot|$  &=^ chorus set of strings |. ..|. chemistry & light |...| . | reading \_ | . | . | physical traversal . . - | | visceral traversal |+|+ + repeat repeat loop # #&=^ link pause dwell leap ||.|\_ hypertext state machine ^..|. railway navigation &\_&|| photosynthetic bit flow +0++\_+ binary twist | | | &=^ one zero distance field \_ |... | microscope telescope ..-|.| molecular astronomy |+||| infinite between # #

### absence

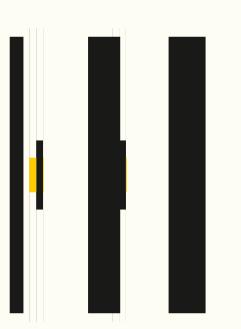


.|\_ fire ash carbon gone \_|.|.| nothing none empty not
.-|| theory of null numbers |+|+\_+ vacant absent zero
space #\_#

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

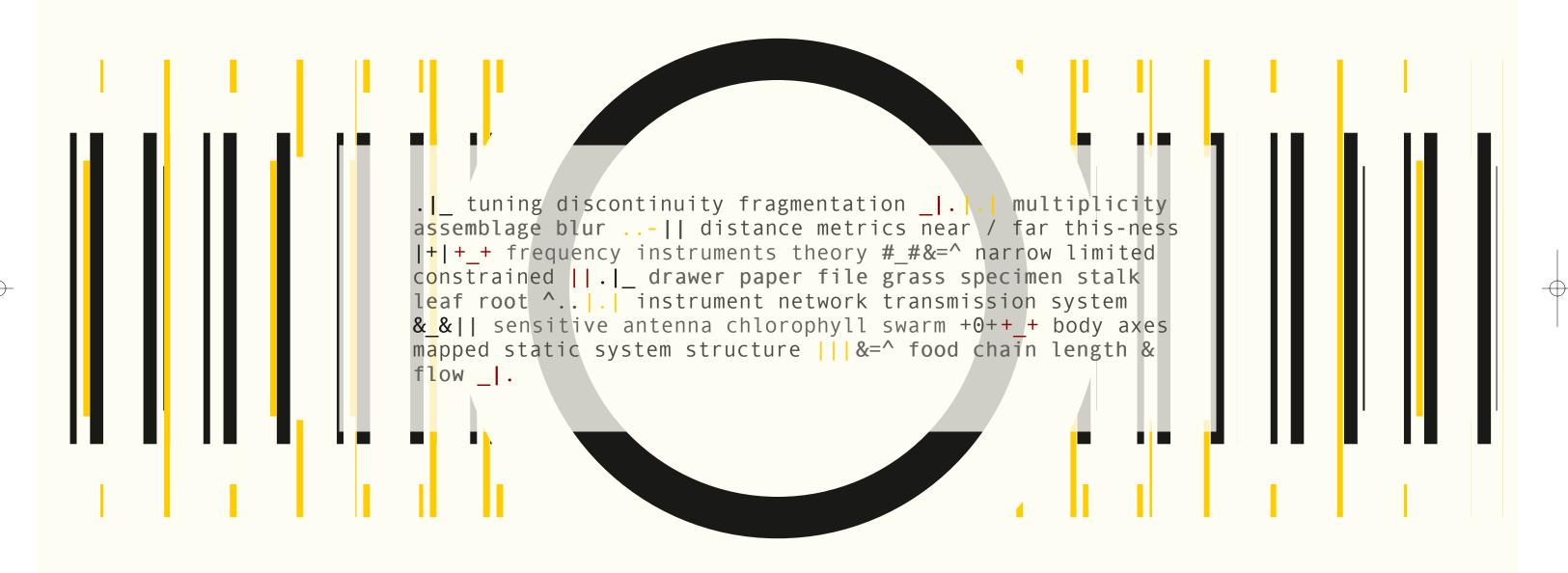
.|\_ holes in the matrix \_|.|.| gap(s) ... .-|| column row
|+|+\_+ moth hole black hole #\_#&=^ space silence fact ||

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

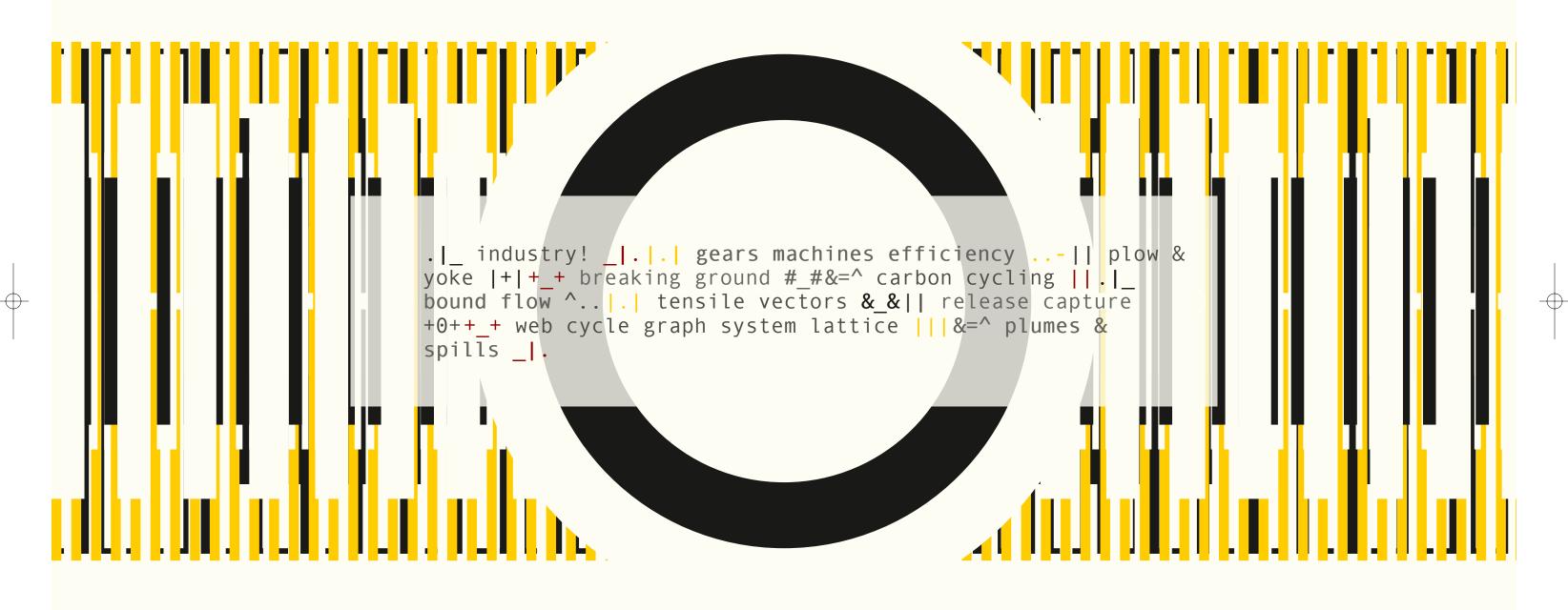


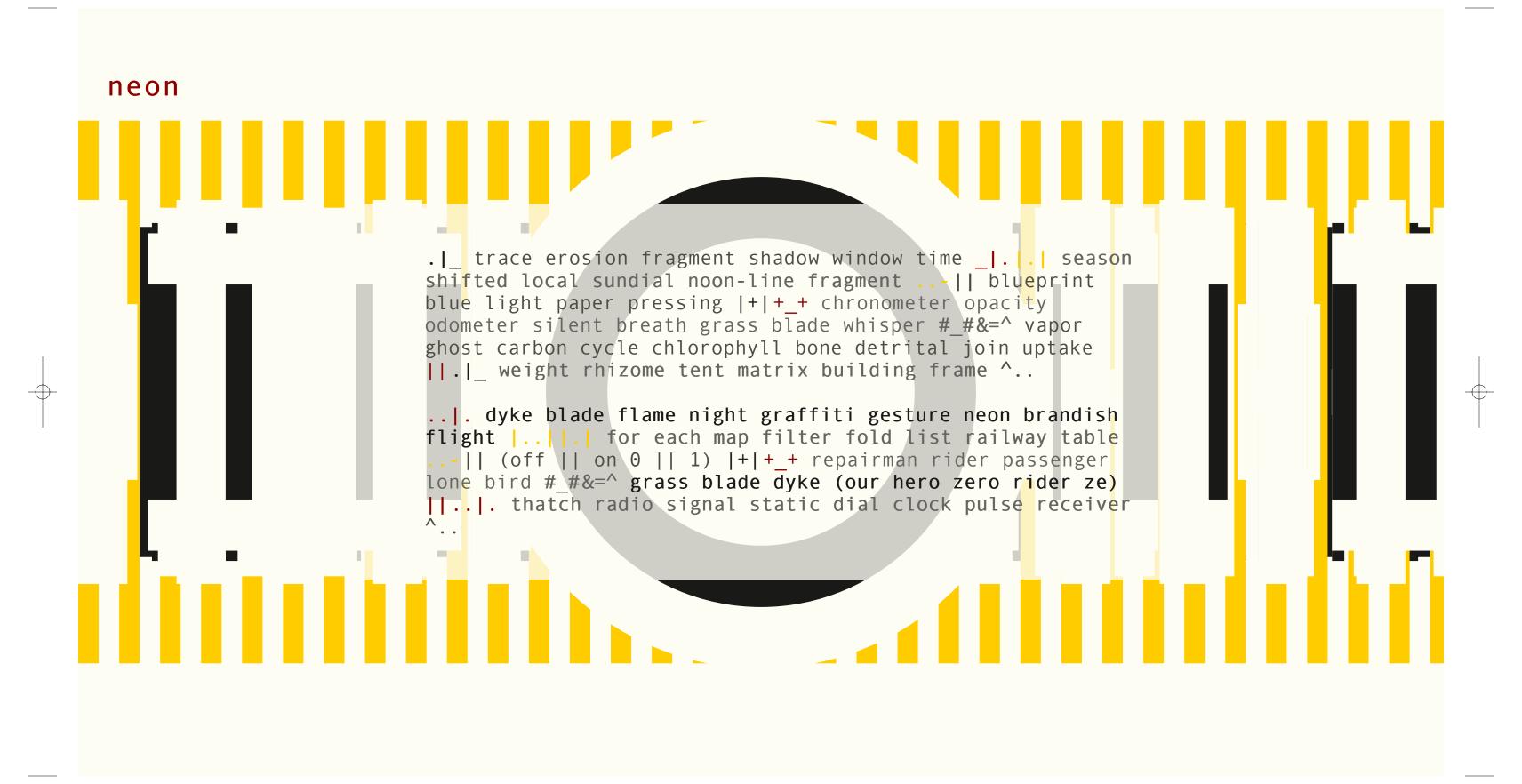
the .|\_ solitude \_|.|.| not silence ..-|| every morning |+|+\_+ heat rises #\_#&=^ in this ||.|\_ basin ^..|.| these bones &\_& ...|. polar landscapes |...||.| melt ..-|| colonists of wind |+|+\_+ dust storms #\_#&=^ settle the globe | .|\_ no rain \_|.|.| longing ..-|| thirst |+|+\_+ drought # #&=^ it was like this ||.|\_ every morning ^.. ...|. watering can |...||.| metallic echo ..-|| pale green |+|+<u>+</u>+ drip #\_# .|\_ industry! \_|.|. empty hands . -|| vacant skull |+|

# specimen



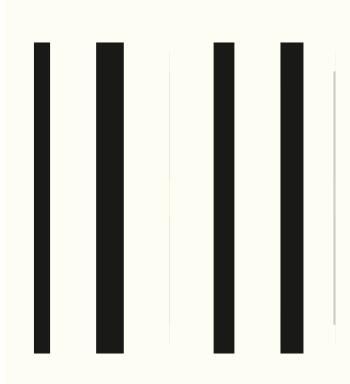
# tensile





ze)left . | 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+

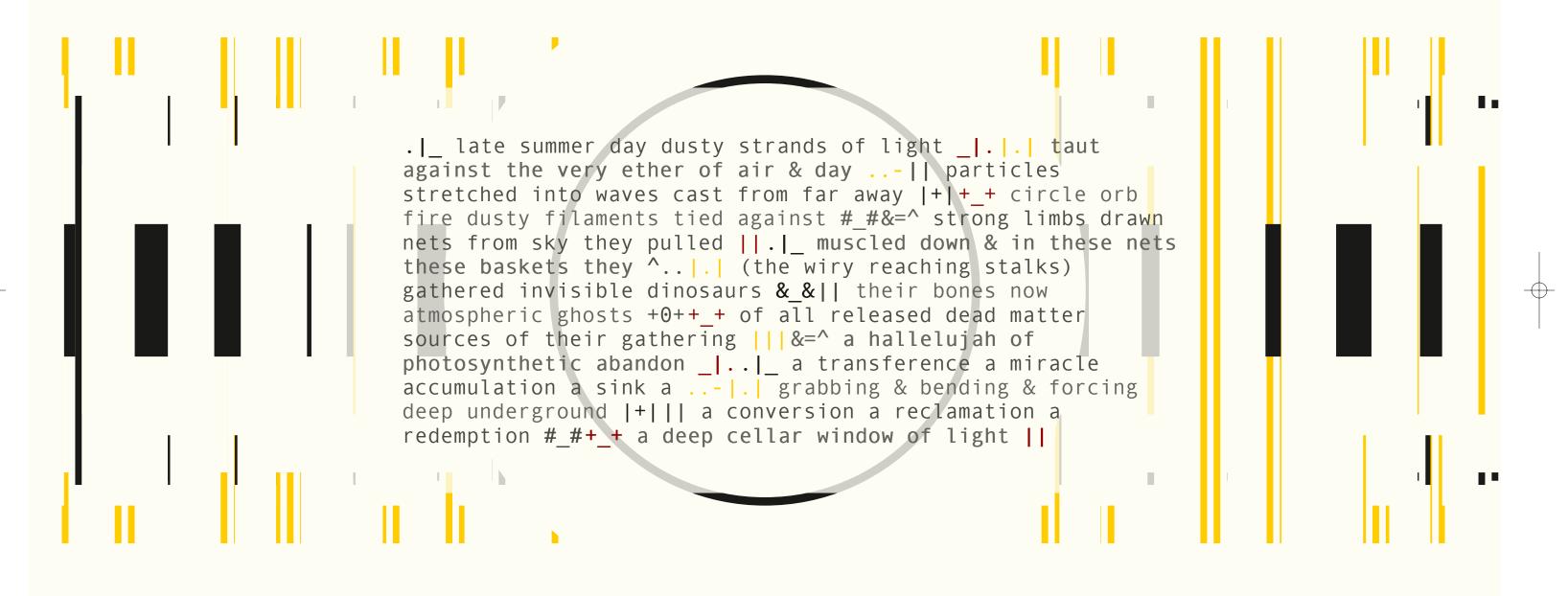
## syntax



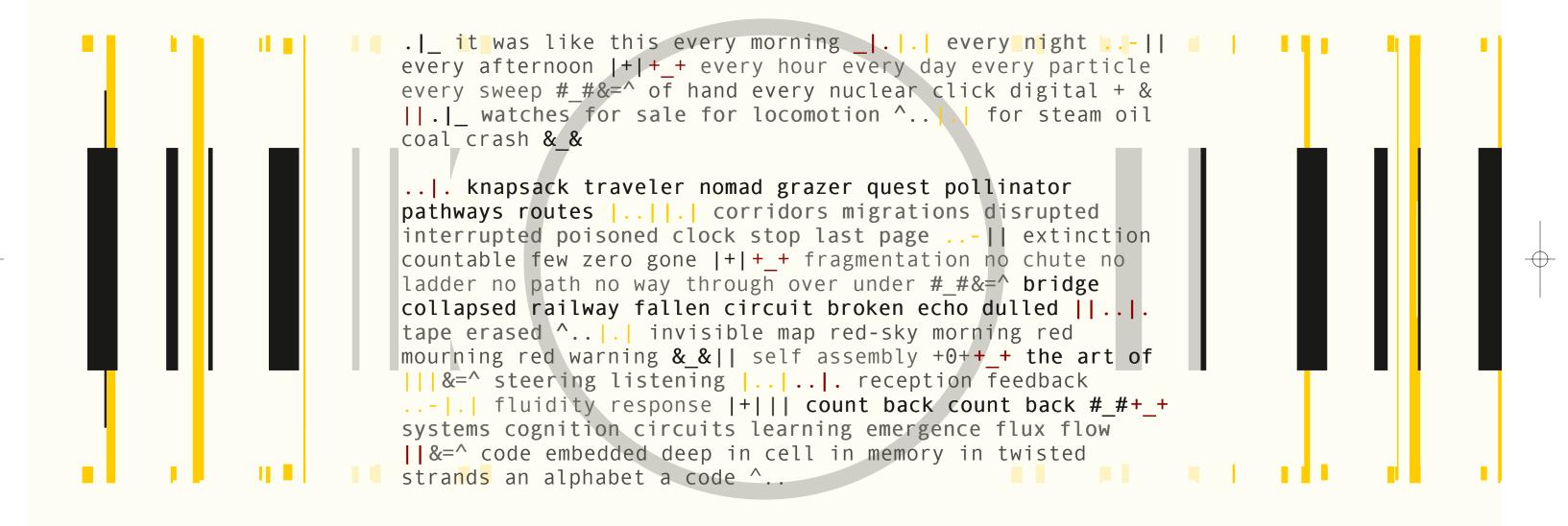
.|\_ industry(!) \_|.

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

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



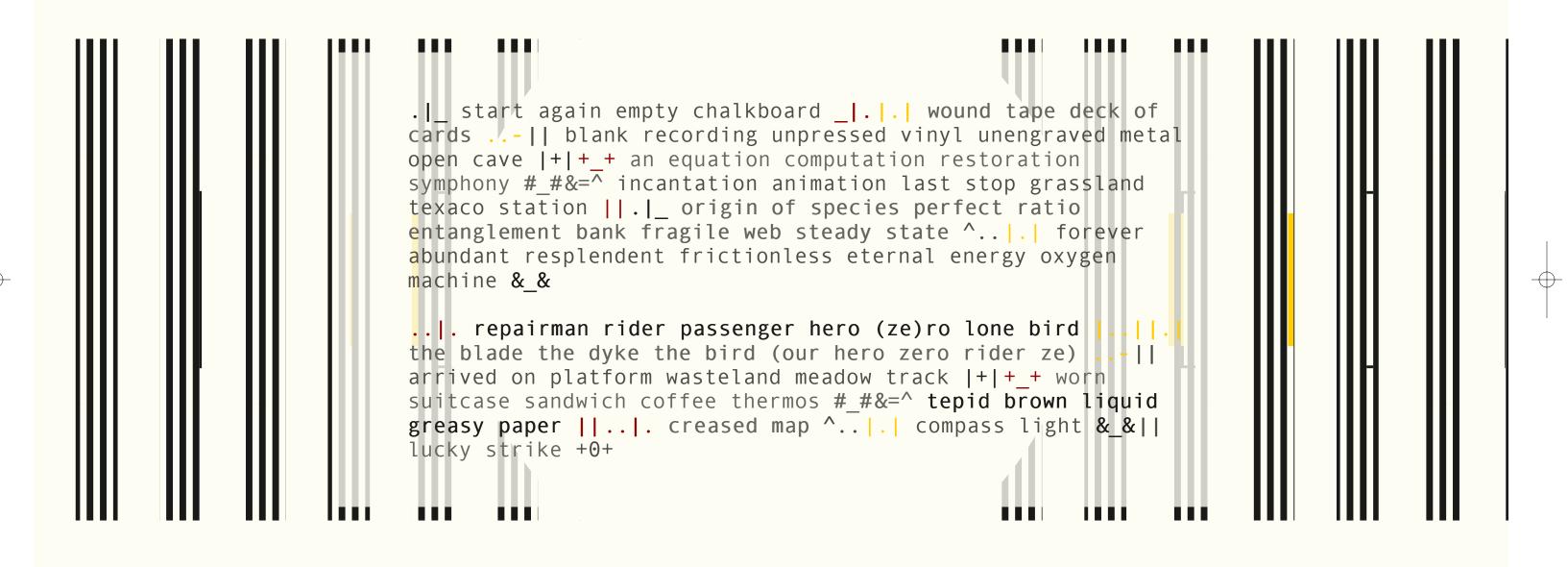
### ladder



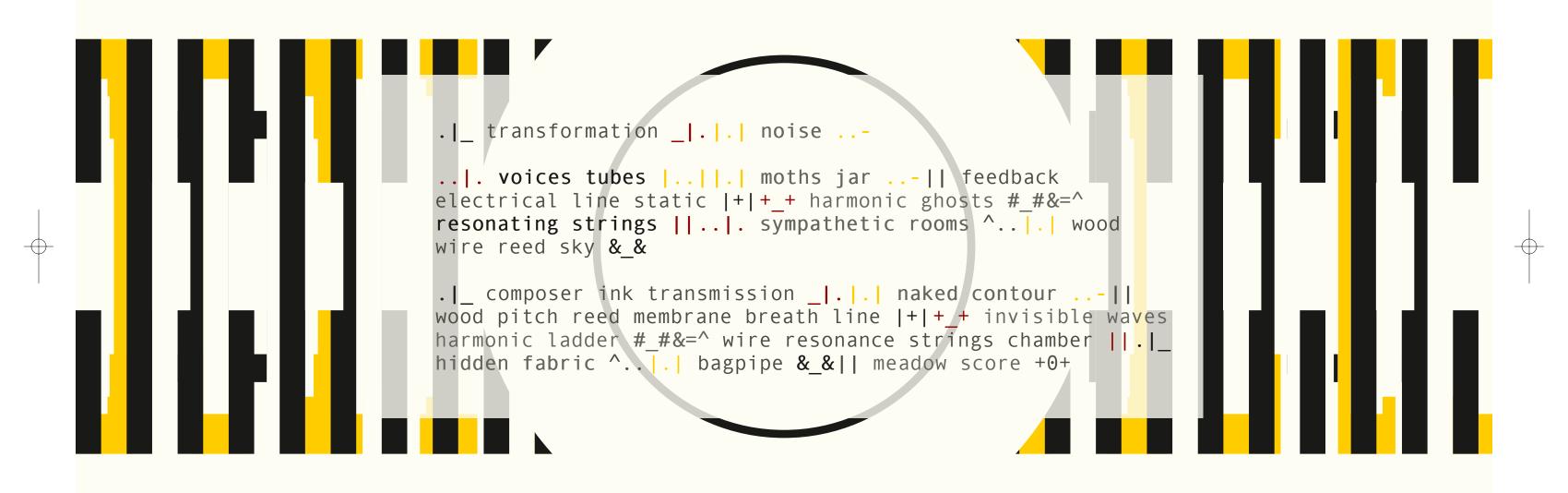
### still

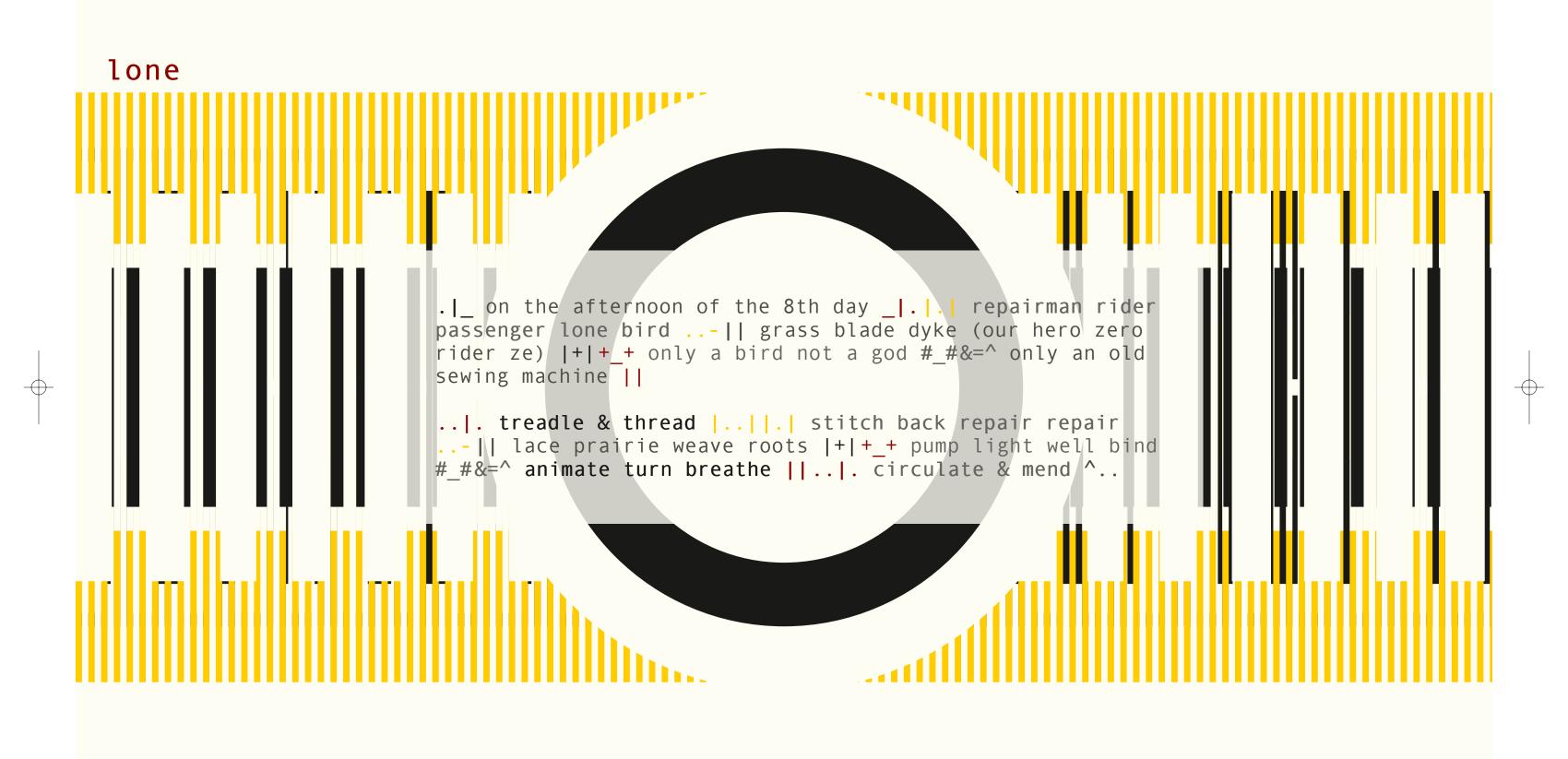


# machinerepairman

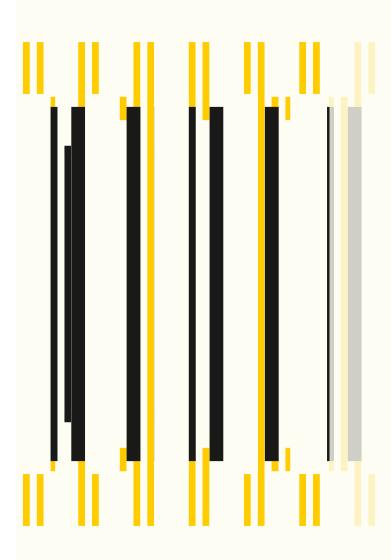


# line





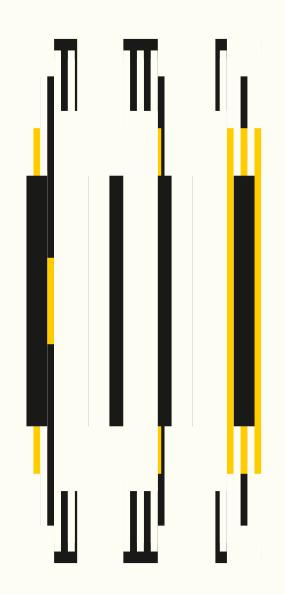
## body



.|\_ 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 ..-

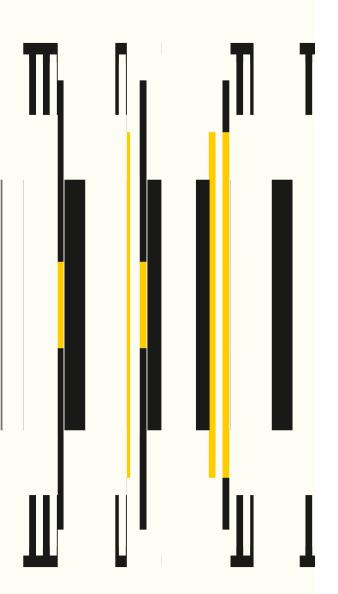


### invocation

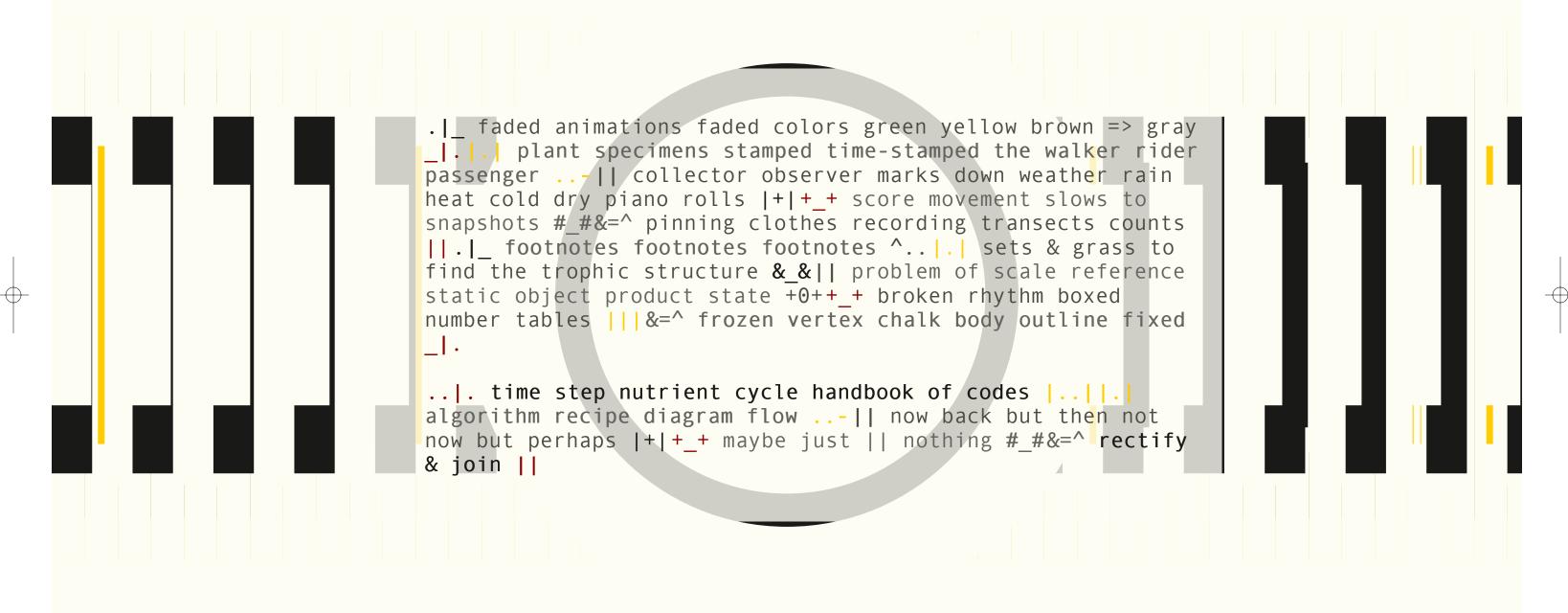


.|\_\_electricity insight action \_|.|.| poet singer cantor coder ..-|| rhythm rhyme repetition |+|+\_+ invoke evoke circle #\_#&=^ paper poetry storage machine (memory printed symbols space) ||.|\_ spoken textile poet singer living animation ^..|.| electric insight action text encoded incantation &\_&|| rhythm rhyme recitation circle invocation +0++\_+ tape magnetic pitch sound frequency modulation ||&=^ transcription translation voyage \_|..|\_ a river a boatman a coin an oar ..-|.| a knapsack a shortwave radio |+||| receiver transmitter signal #\_#+\_+ voice frequency on / off ||

...|. pulse antenna alphabetic | ... | | ... | graph glyph string | ... | | linear spline space | + | +\_+ sequence pages spine spline #\_#&=^ approximation map one route | | ... | ... | one journey electric geo ^... | ... | route road reenactment context &\_&| | devoid absent world generating physical +0++\_+ attention listening seeing | | &=^ gaze cross sensory skull | ... | ... | ... | skeletal memory echo machine ... | ... | pulse current blood | + | | | sinew vinyl gramophone => radio #\_#+\_+ moment (re)creation past time | | &=^ modulation frequency ^.... | ... | ... (un)synchronize the clocks &\_&



# nothing

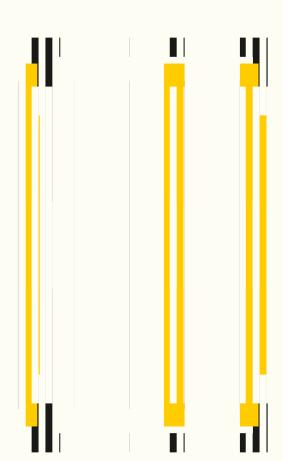


#### wind

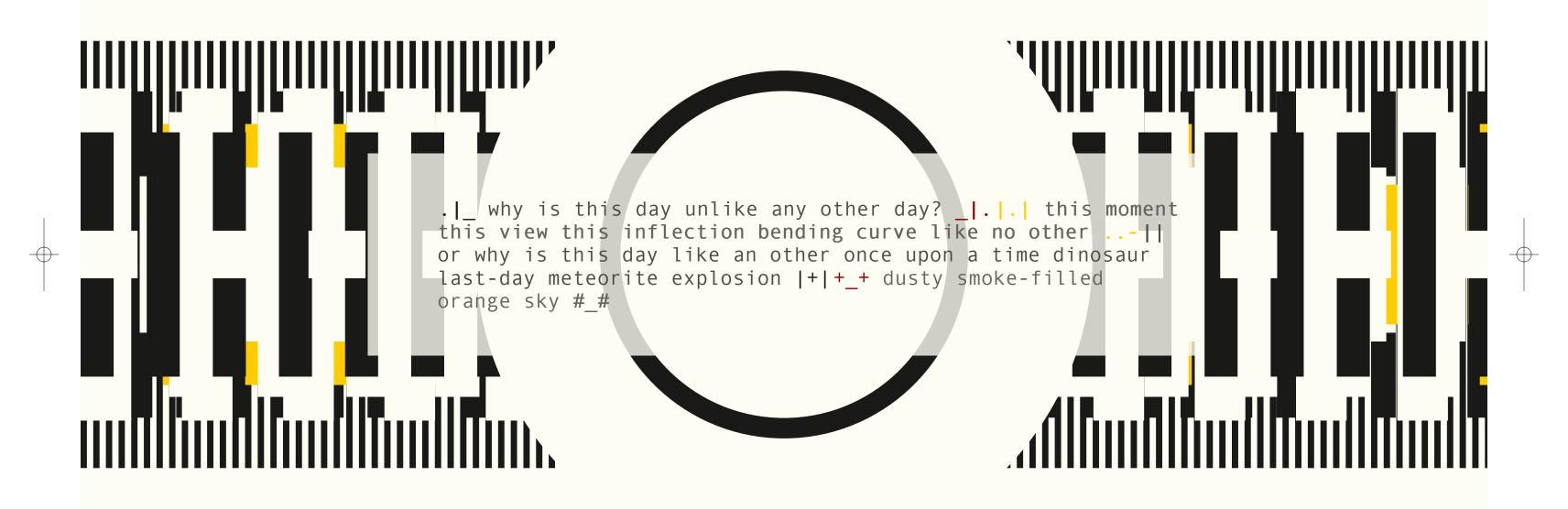


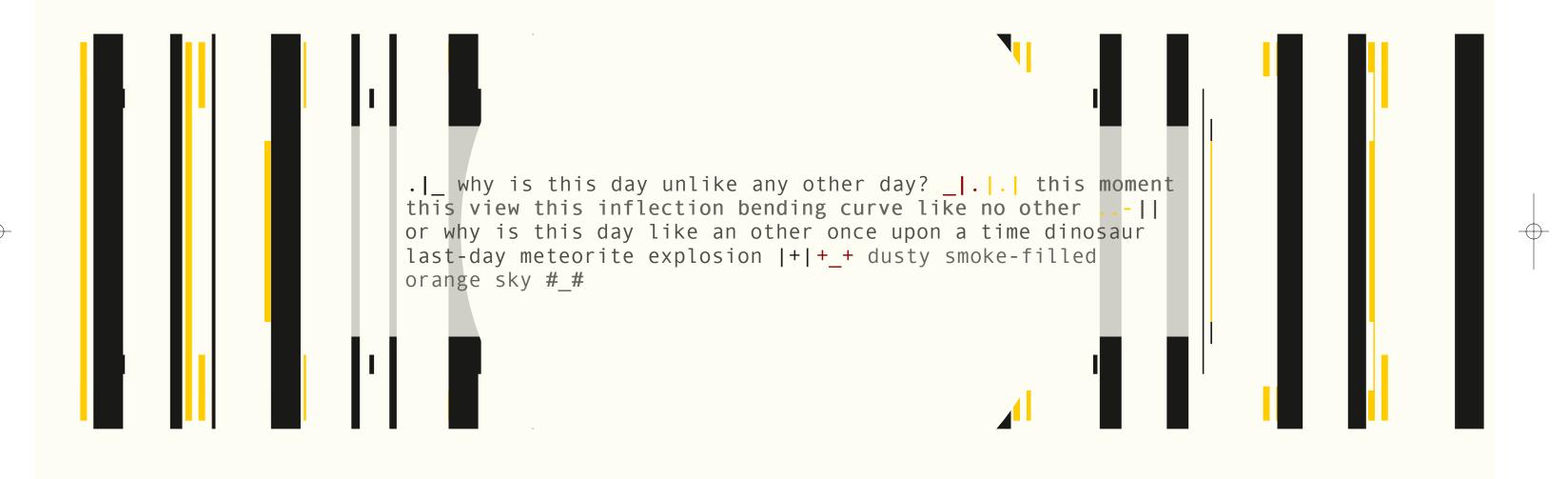
.|\_ cloud upside down root sequestration \_|.|.| stop hold bar block this avalanche of loss ..-|| skeleton machine skull writing ceiling wailing keening siren howl feedback broken |+|+\_+ wire cricket friction klezmer waltz reed membrane wind bone mallet hollow stem #\_#&=^ a regiment of meadow ||.|\_ 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 ..-



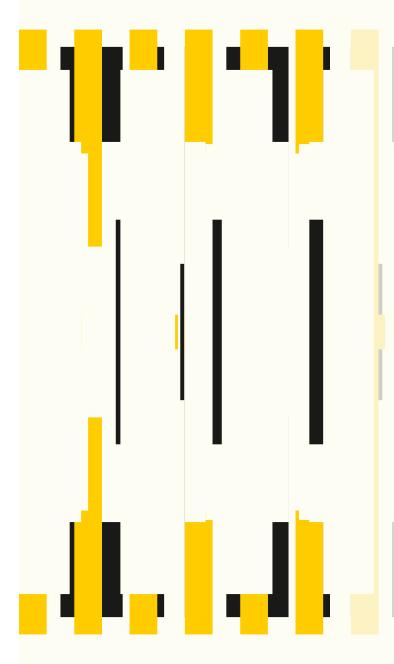
## this





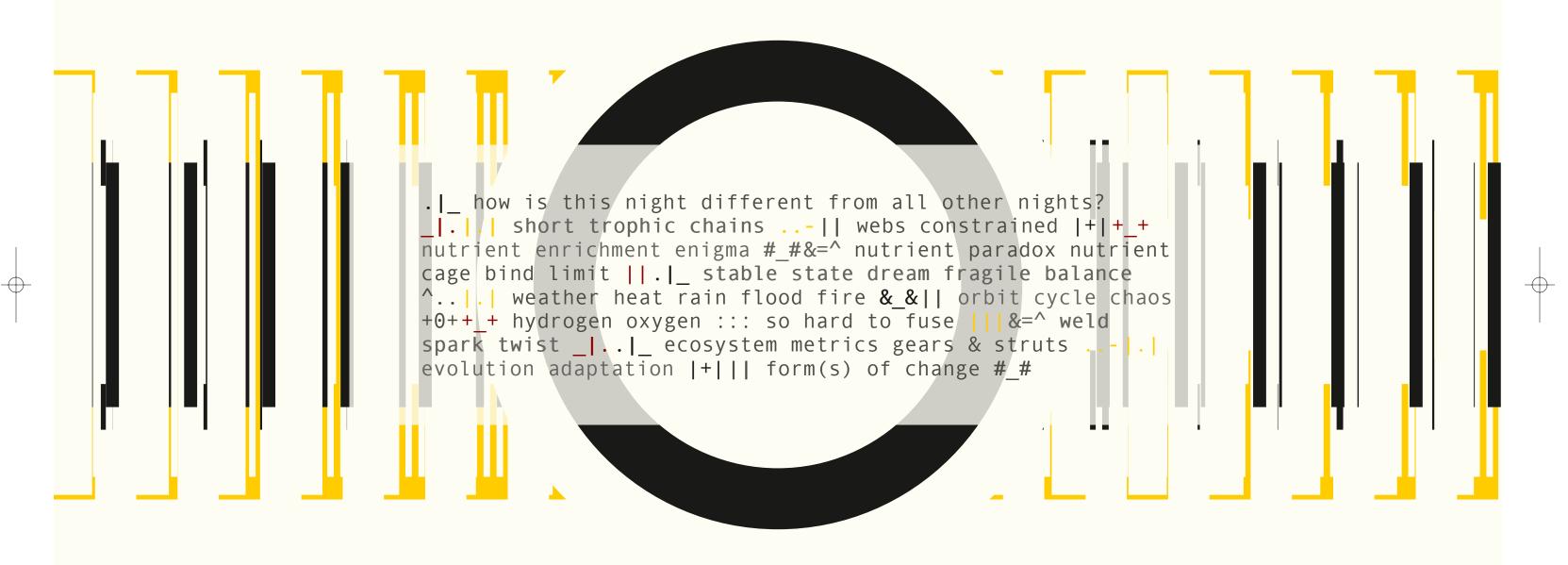
signal . faint signal pale wave slow current faraway transmission \_|.|.| faded recording ..-|| long ago the far away a t-cell twist like this it goes |+|+\_+ that jukebox love song jukebox archive jukebox dance song #\_#&=^ rusty turnstile chance song billiard dice song co2 roulette | . | trophic past 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 # #&=^ beerstained formula calculations configurations ||..|. phase plane transformations ^...

#### estimation

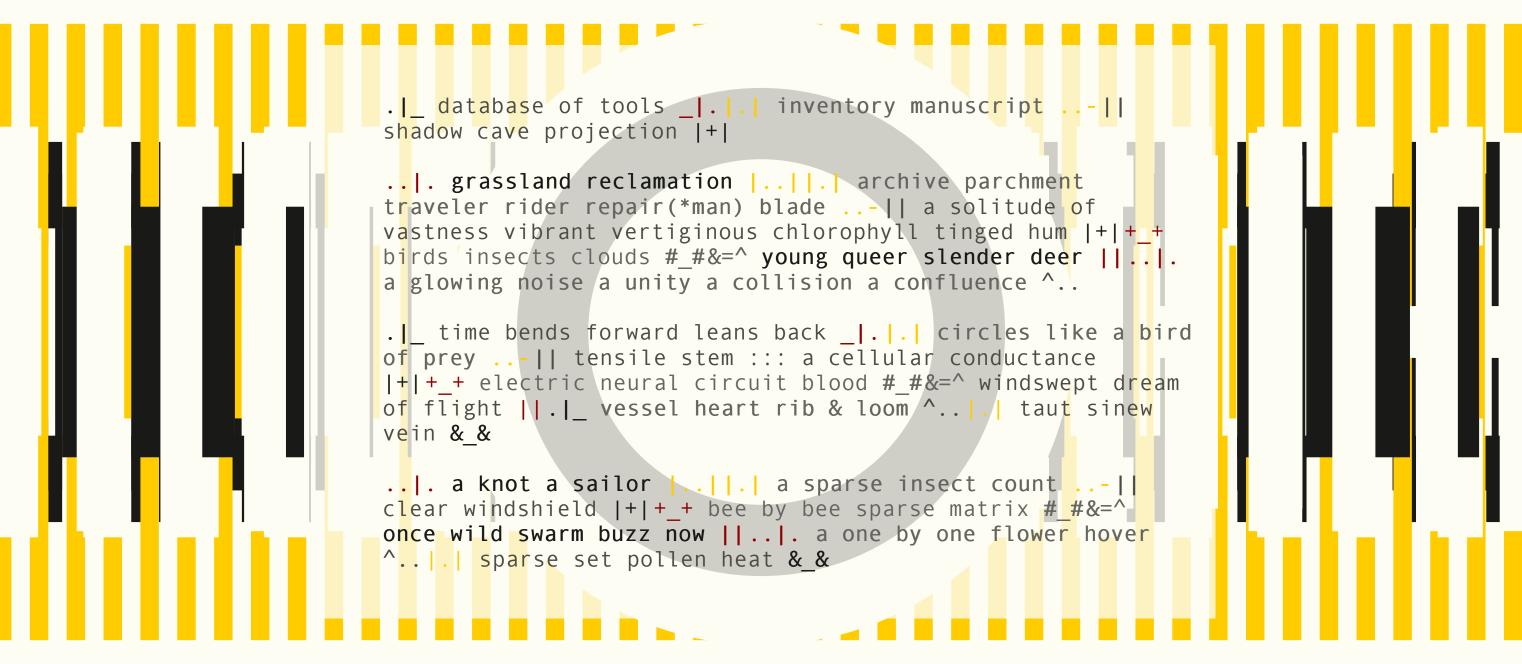


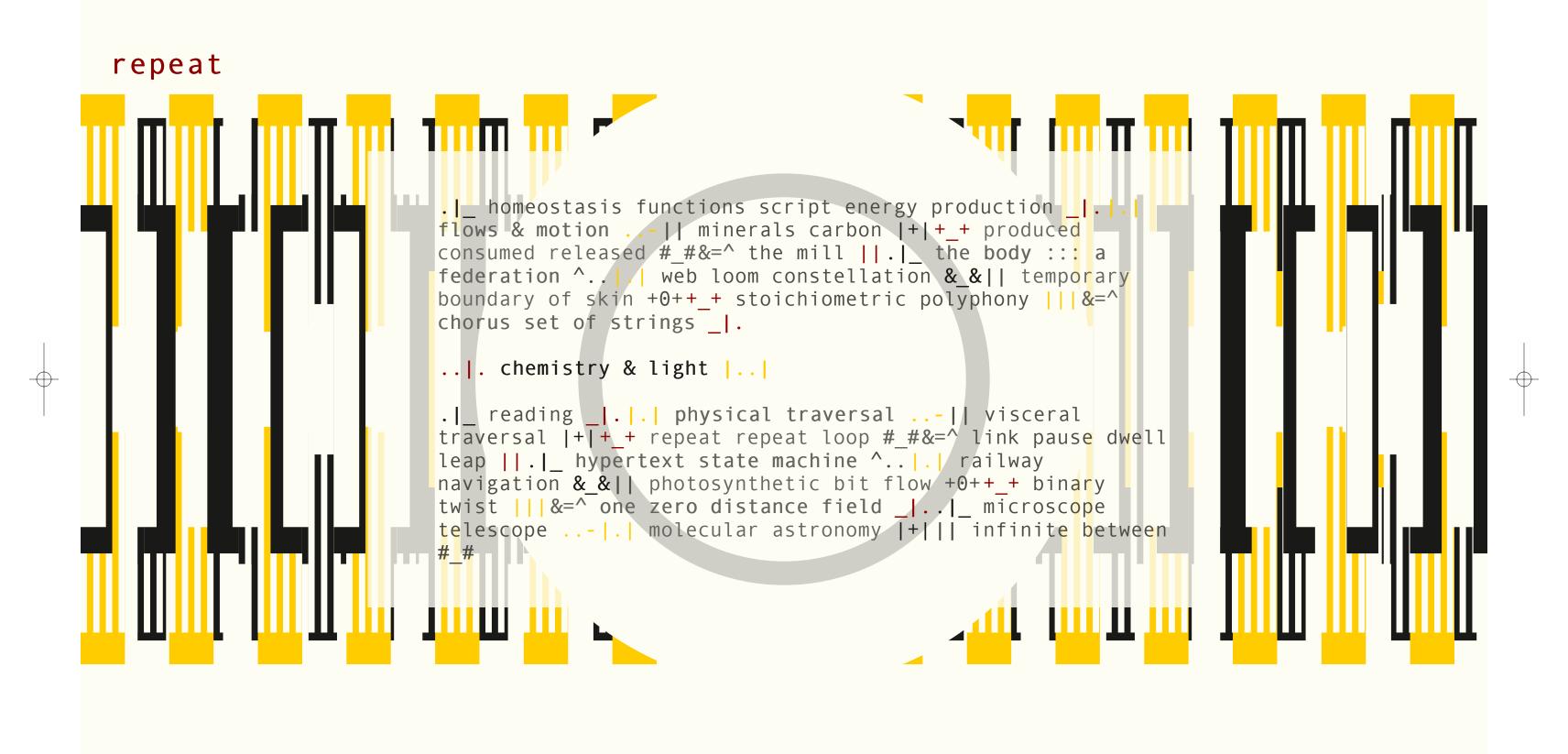
- .|\_ parameter variable matrix \_|.|.| grid structure thing
  ..-|| observation frame tool |+|+\_+ equations models
  contours #\_#&=^ distillation estimation ||.|\_ syntax set
  domain & range ^..|.| functional translation &\_&
- ..|. not constrained in columns |..||.| not implicit static vertex stone ..-|| explicit fluid statement sets |+|+\_+ reified relations #\_#&=^ triples ||..|. articulated ^..|.| joins &\_&
- . | the lattice the ladder the sky \_|.
- .|\_ slender stem blade .&. meadow \_|.|.| harmonic structures
  ladders heavens ..-|| tonality ecology dynamics systems
  weather |+|+\_+ synthesis loom radio sky #\_#

# other



#### windshield

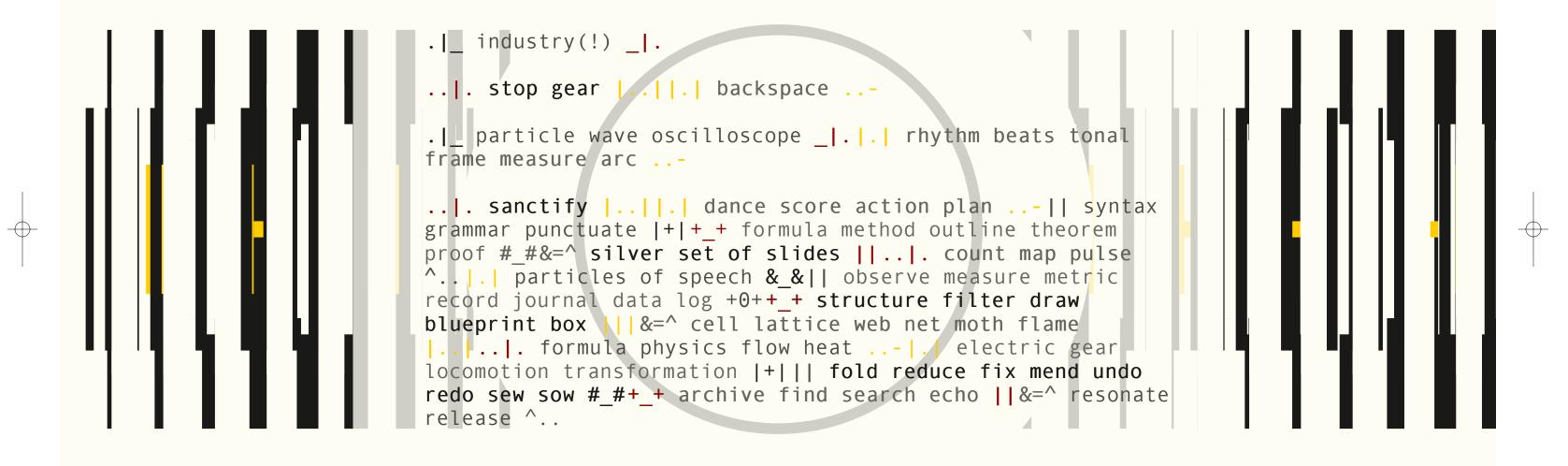




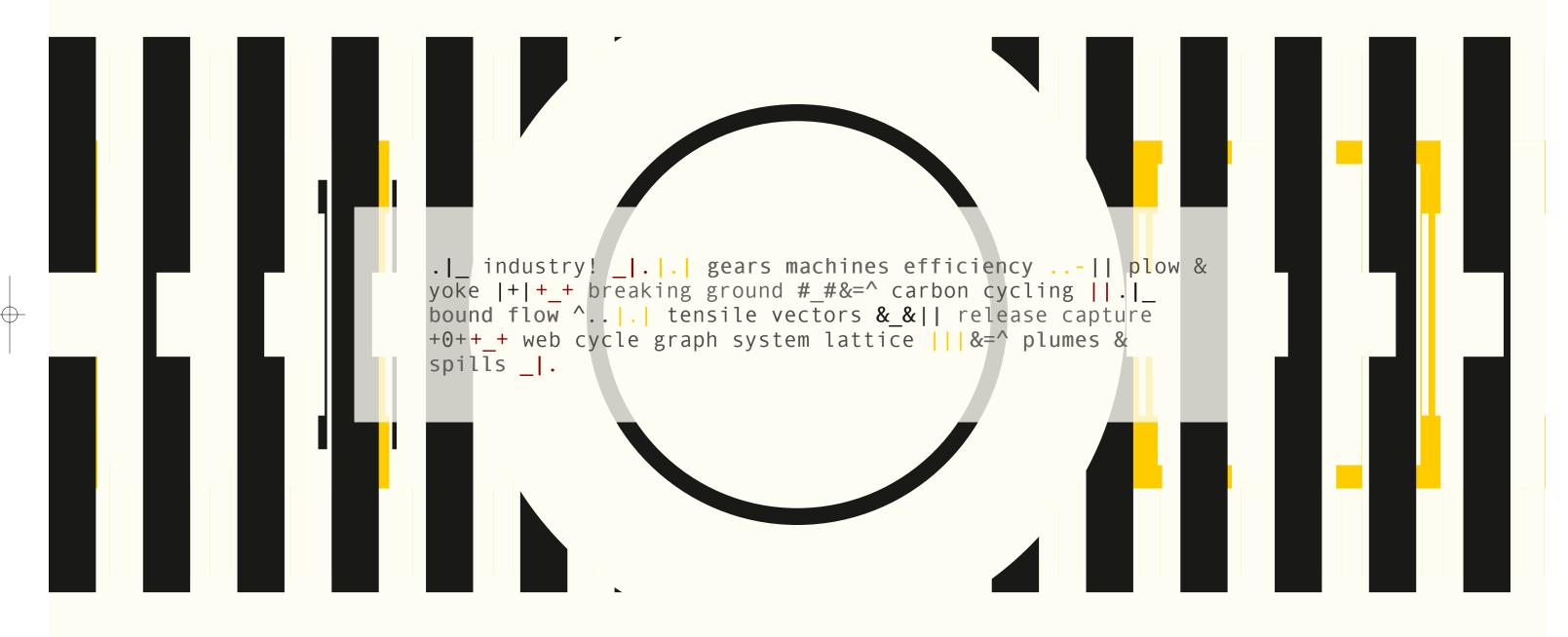
#### seed



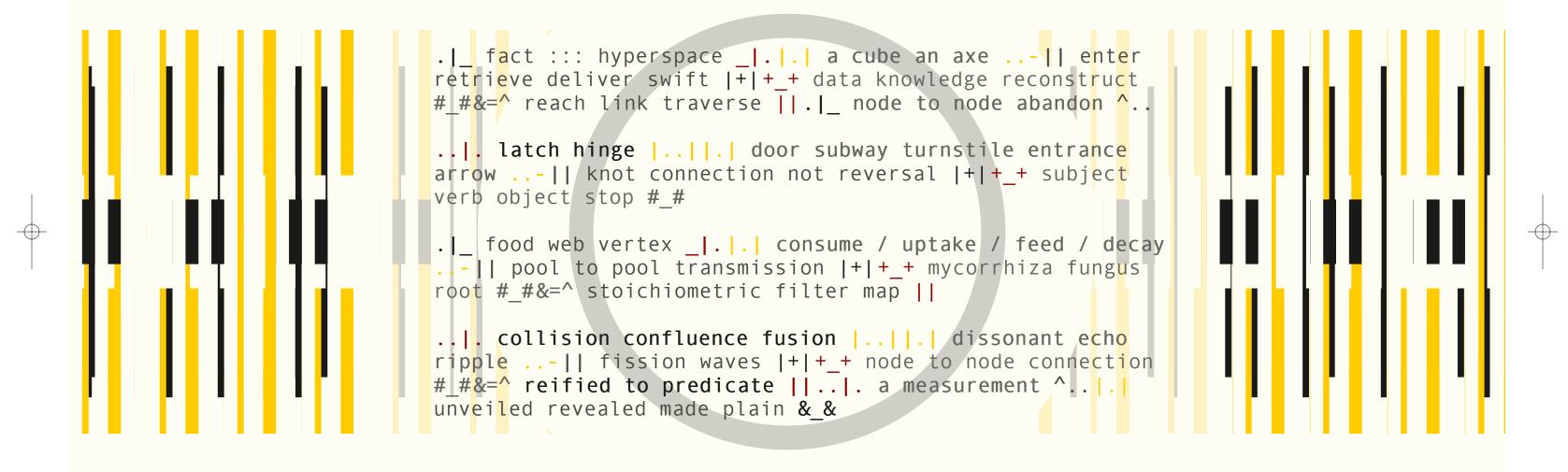
## arcsanctify



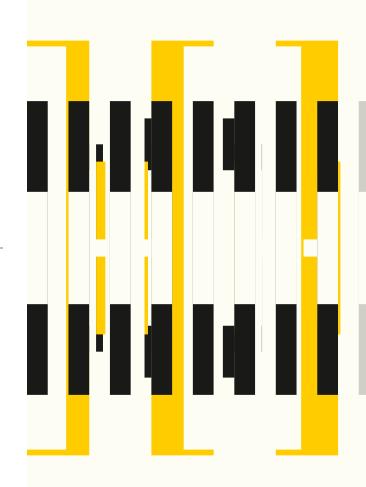
# machines



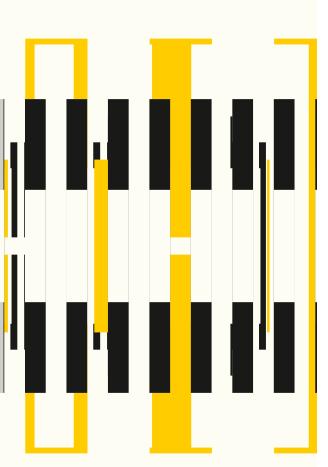
#### cube

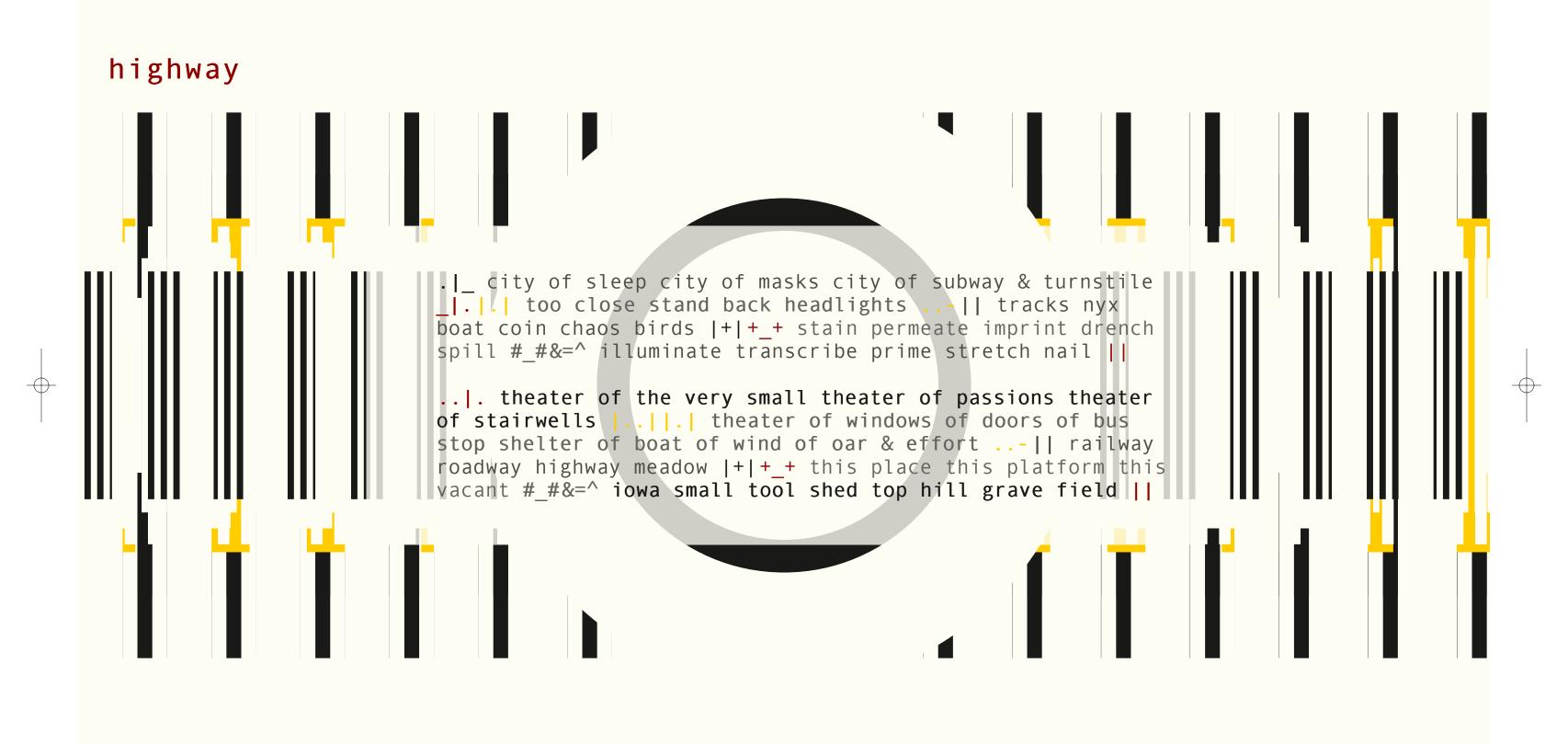


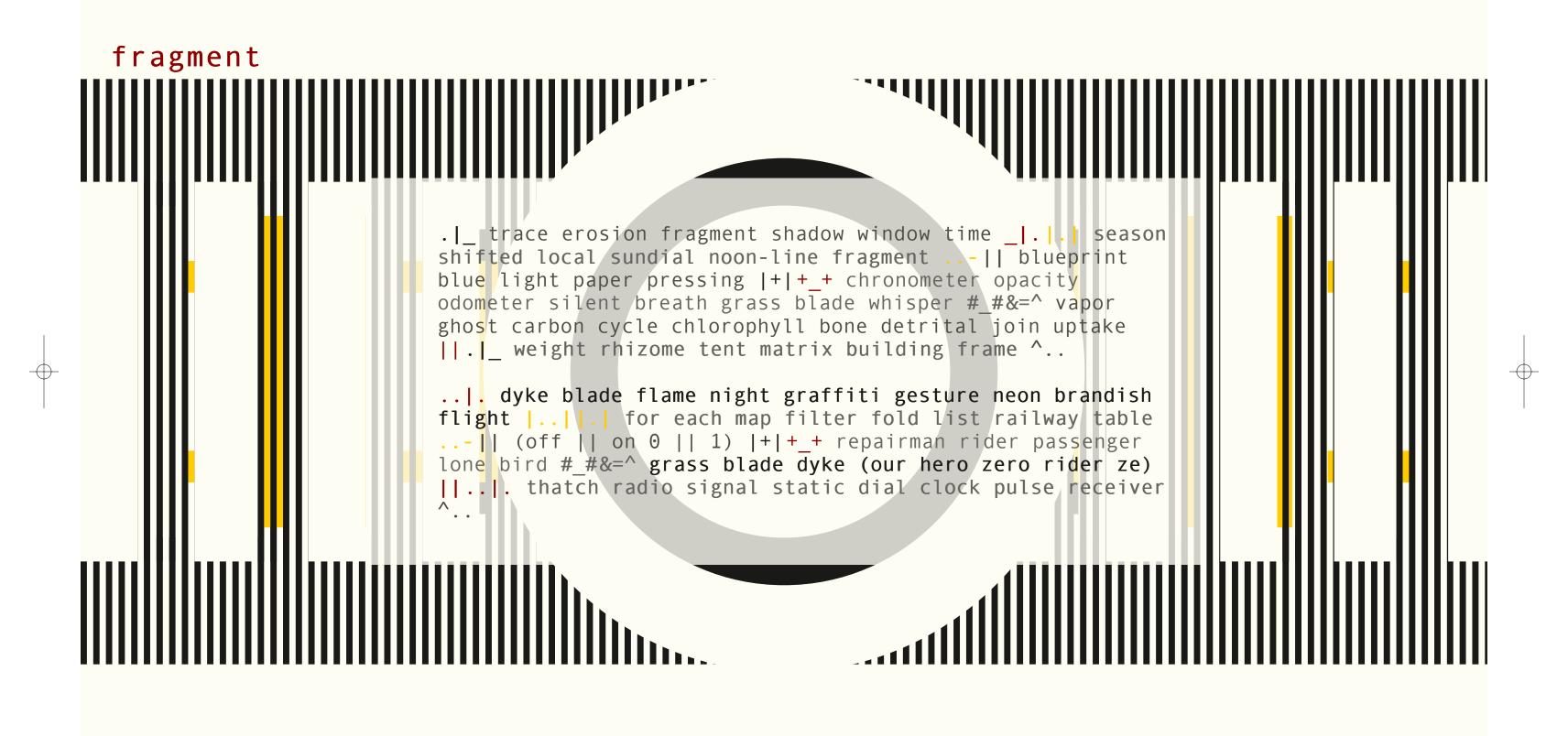
# recording



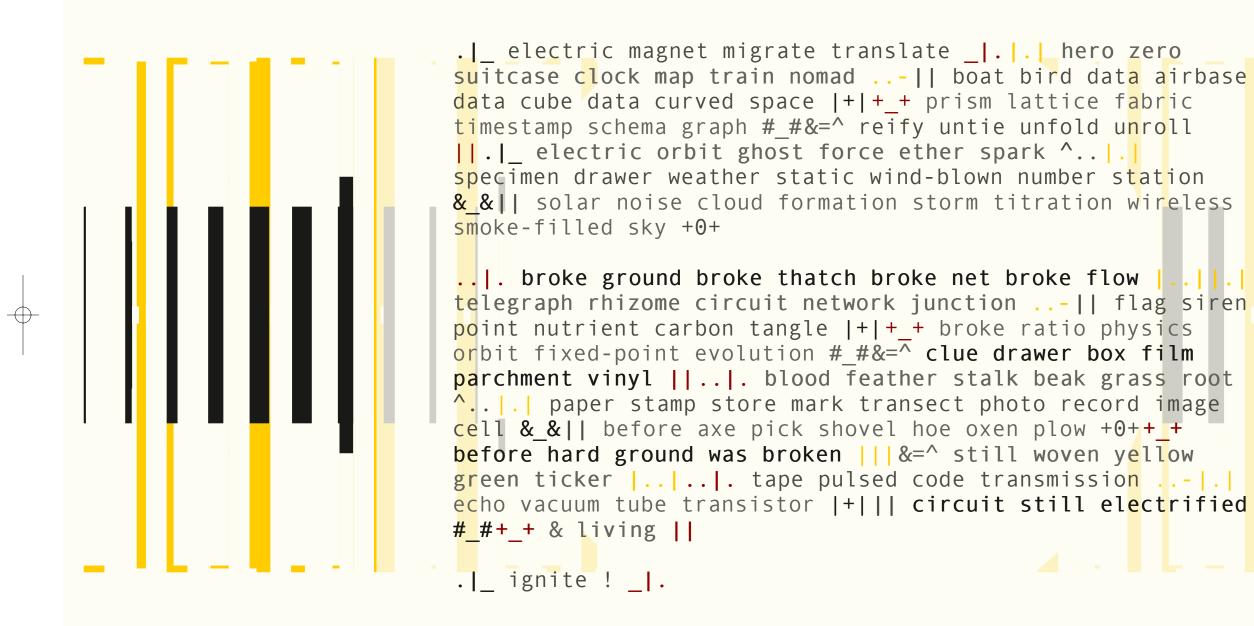
.|\_ a cast back cellular recording \_|.|.| etched on vinyl record number 43 ..-|| still intact the voice & windy chordal chorus meadow |+|+\_+ vinyl pulsing network #\_#&=^ perhaps if sent through radio wave & echo ||.|\_ sound reclaimed restored restated ^..|.| ghostly sonic vapor could elicit in its 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+



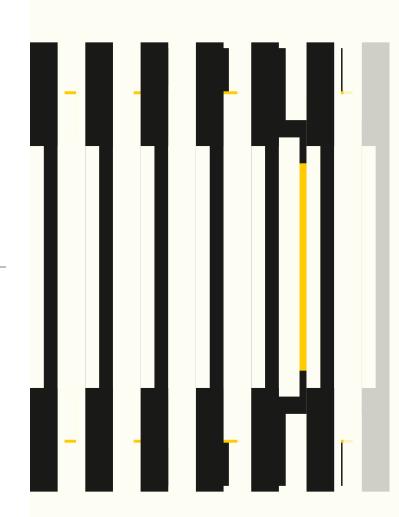




#### vacuum



#### grass

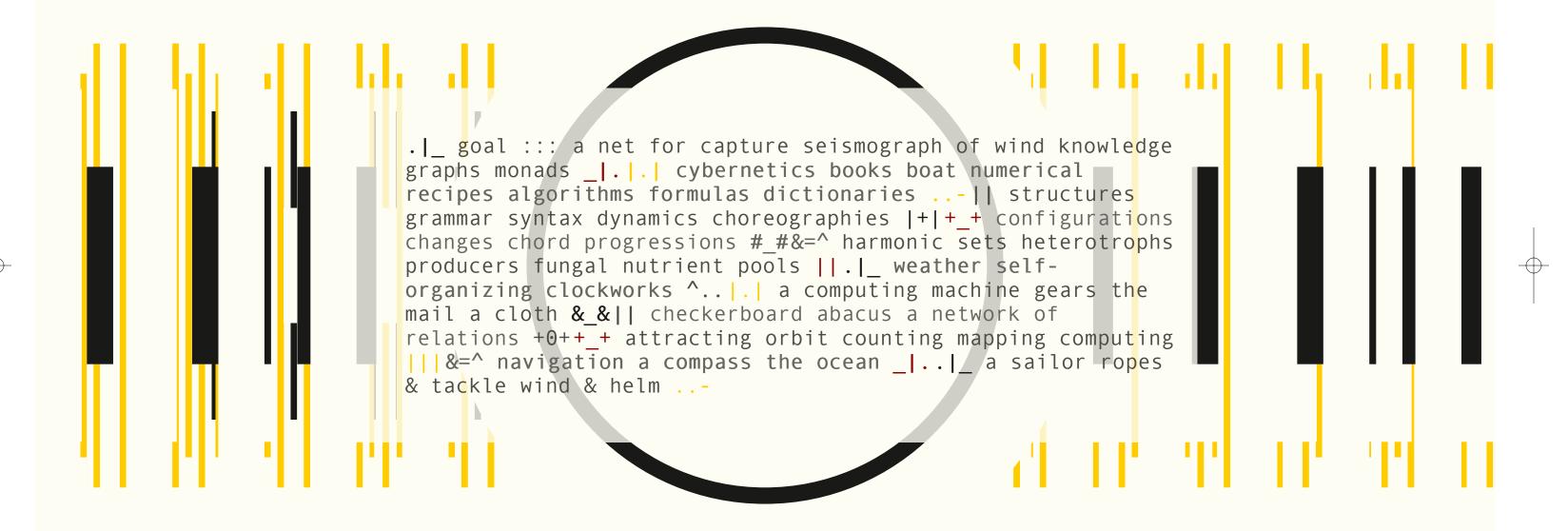


.|\_ stitch \_|.|.| carbon cycle ..-|| back |+|+\_+ intact #\_#&=^ structure function ||.|\_ sink & source ^..|.| sink & source &\_&

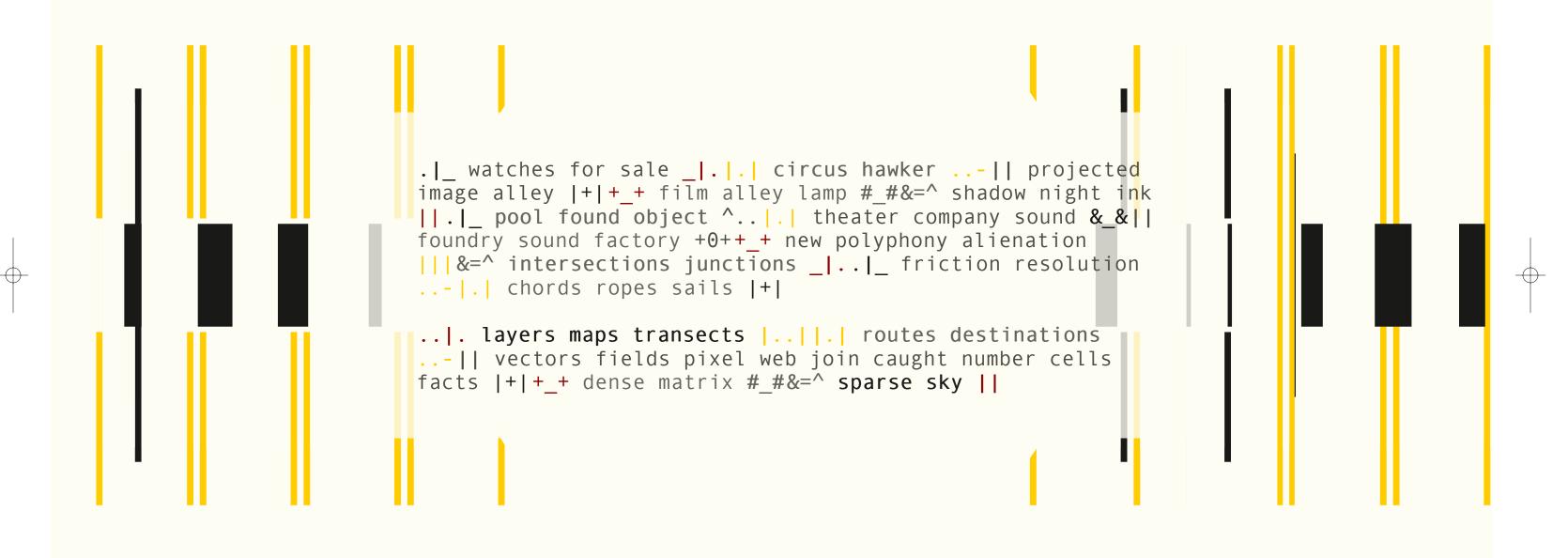
...|. theory of null values |...||.| problem of null values
..-|| hollow sound |+|+\_+ sparse matrix #\_#&=^ initial
conditions external ||...|. parameters landscape weather
^...| bee flower pollen lit pollen wings &\_&

.|\_ 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 ||

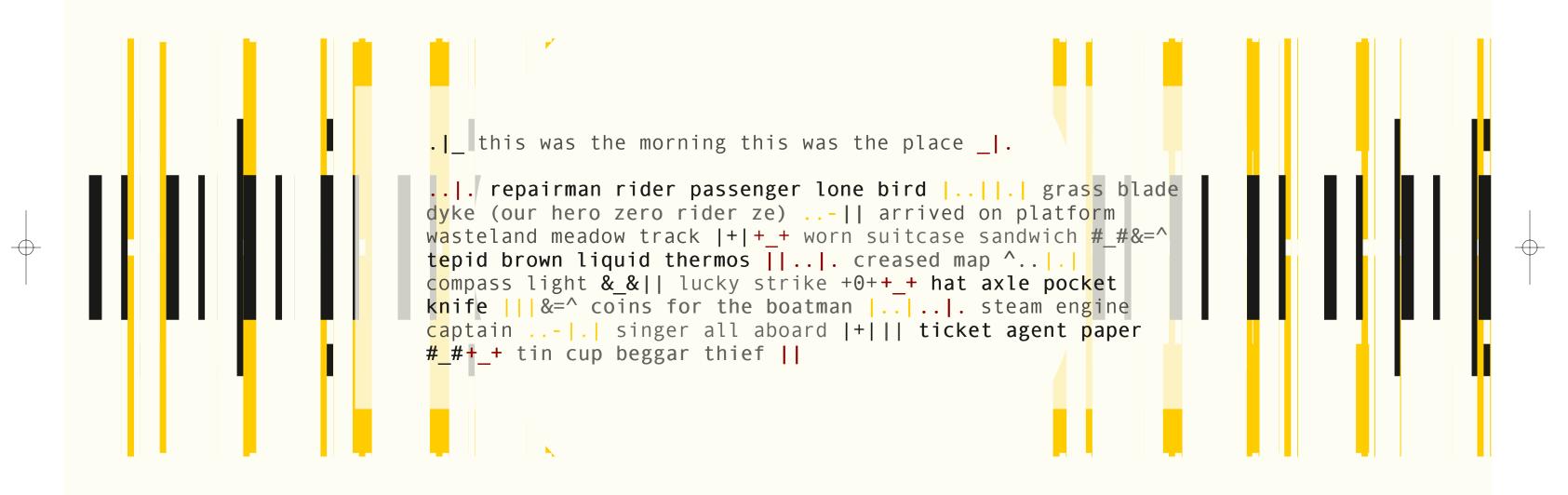
..|. no time now time soon time |...|



#### alienation

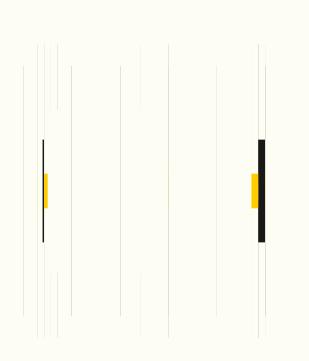


## rider



# reclaim .|\_ 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 |..|

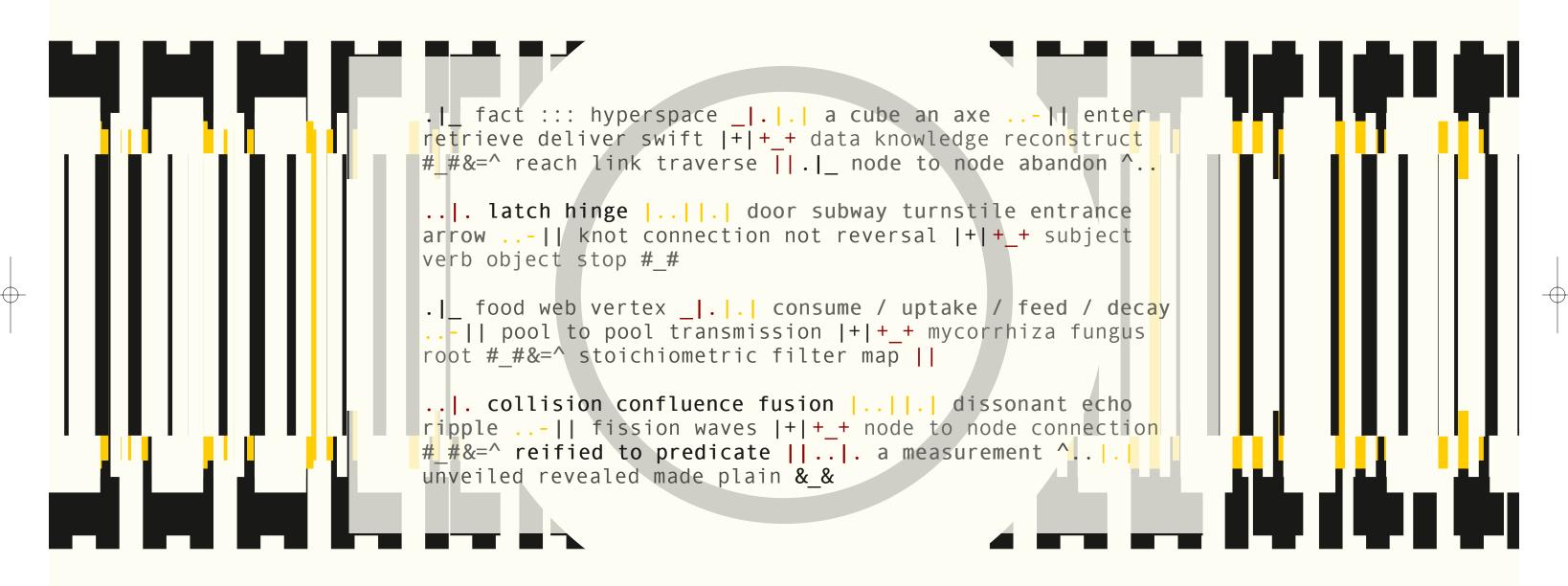
#### asked



.|\_ cell number table \_|.|.| column thicket ..-|| stream set row |+|+\_+ coordinates paths city streets #\_#&=^ asphalt chess board too-long fair ||.|\_ halogen labyrinth playing cards ^..|.| row boat row red turnstile coins &\_&|| subway memory map +0+

..|. the problem of sparse matrices |..||. absence ..-||
not known |+|+\_+ not values #\_#&=^ not join ||..|. not tied
^..|. not said &\_&|| empty cells +0++\_+ blank hole gap
|||&=^ knot record |..|..|. not knot ..-|. forget forgot
|+||| never known #\_#+\_+ not filled ||&=^ not asked ^...|.
erase erasure &\_&|.| not zero not silence +0+|| a lack of
air |||+\_+ a lack of mark |..|&=^ missing value(s) ..-..|.
something stolen |+||.| not revealed not found #\_#|| not
thought of not dreamed of ||+\_+ not imagined ^..&=^ not
lost &\_&..|. not lonely +0+|.| not a huge hole in the |||||
sky |..|

#### deliver



# pillars

