

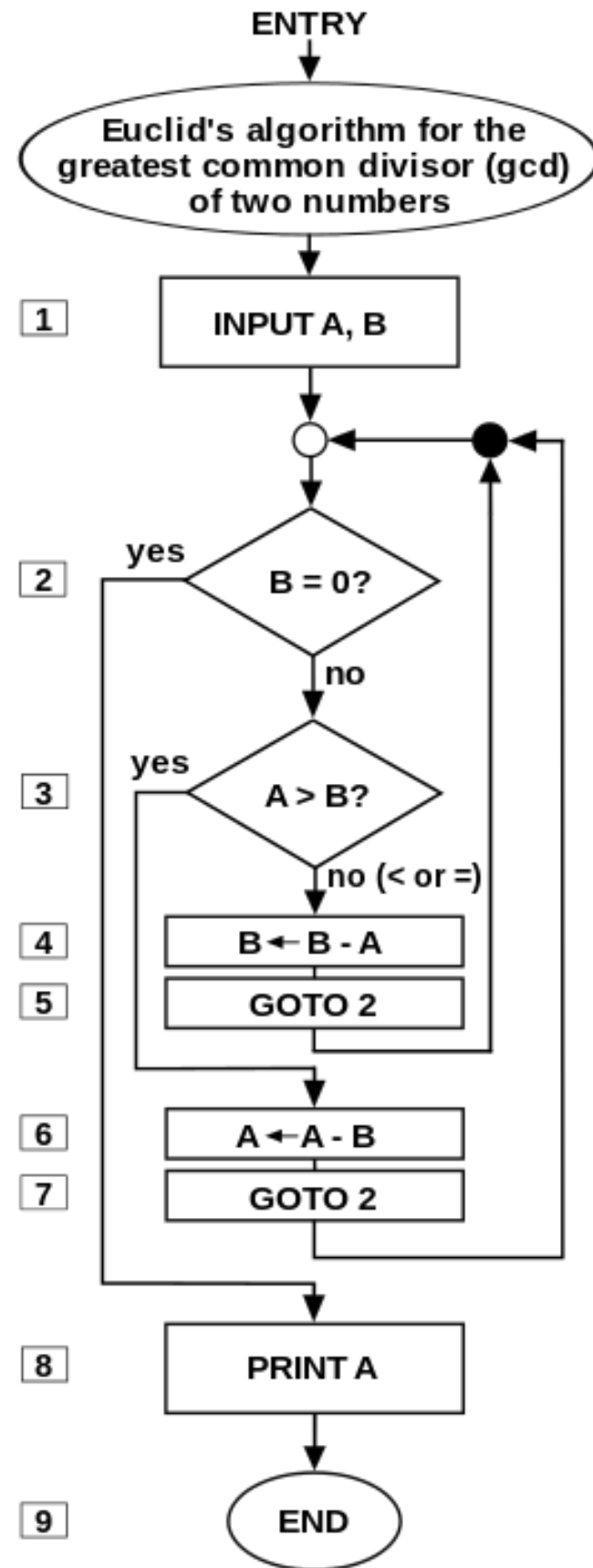
Les algorithmes, l'art et
la génération de texte

Un algorithme ?

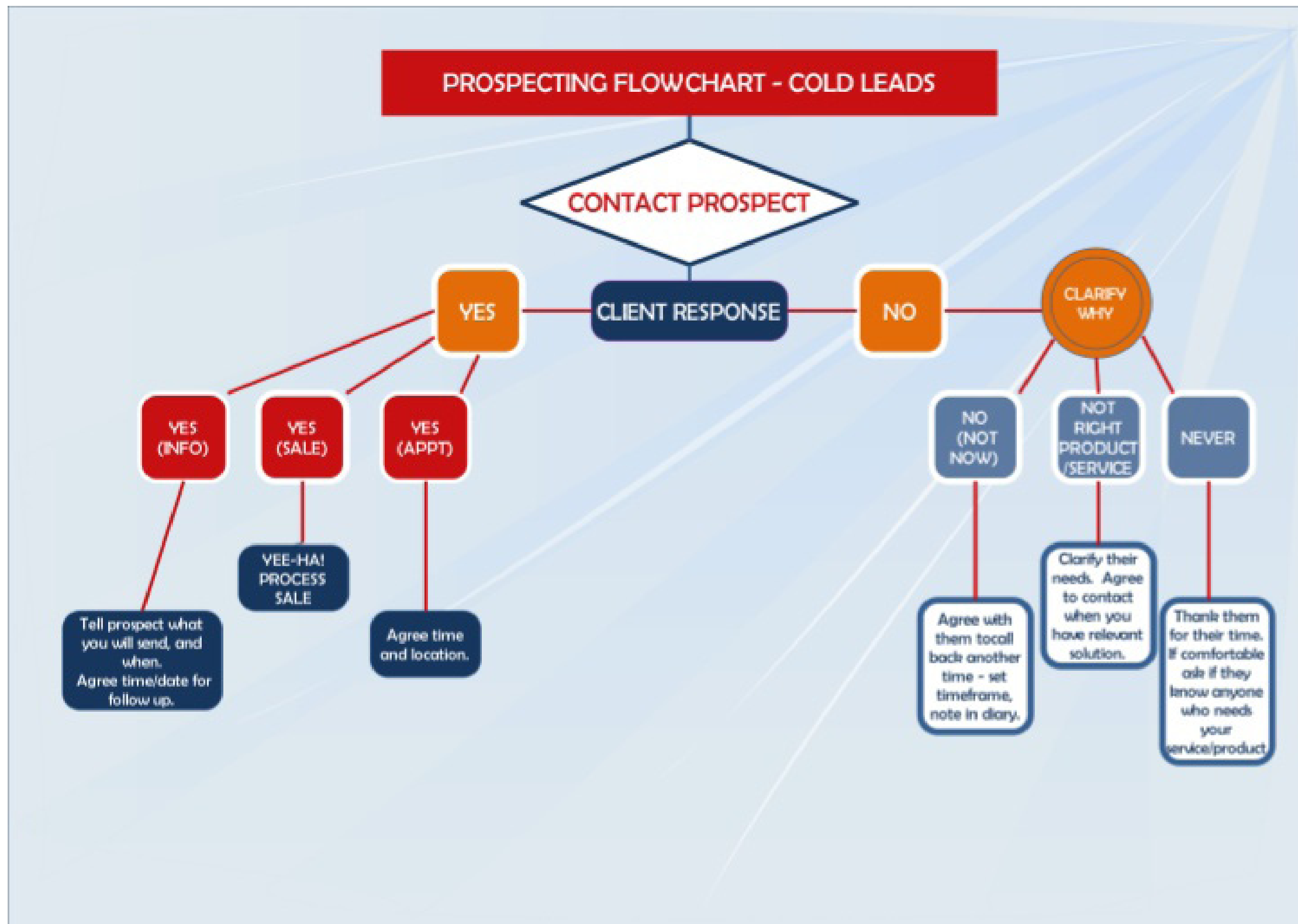
Un algorithme est une série
d'instructions permettant de
résoudre un problème.

Il comporte en générale des données
en entrée et un résultat en sortie.

Exemple d'algorithme
Algorithme d'Euclide

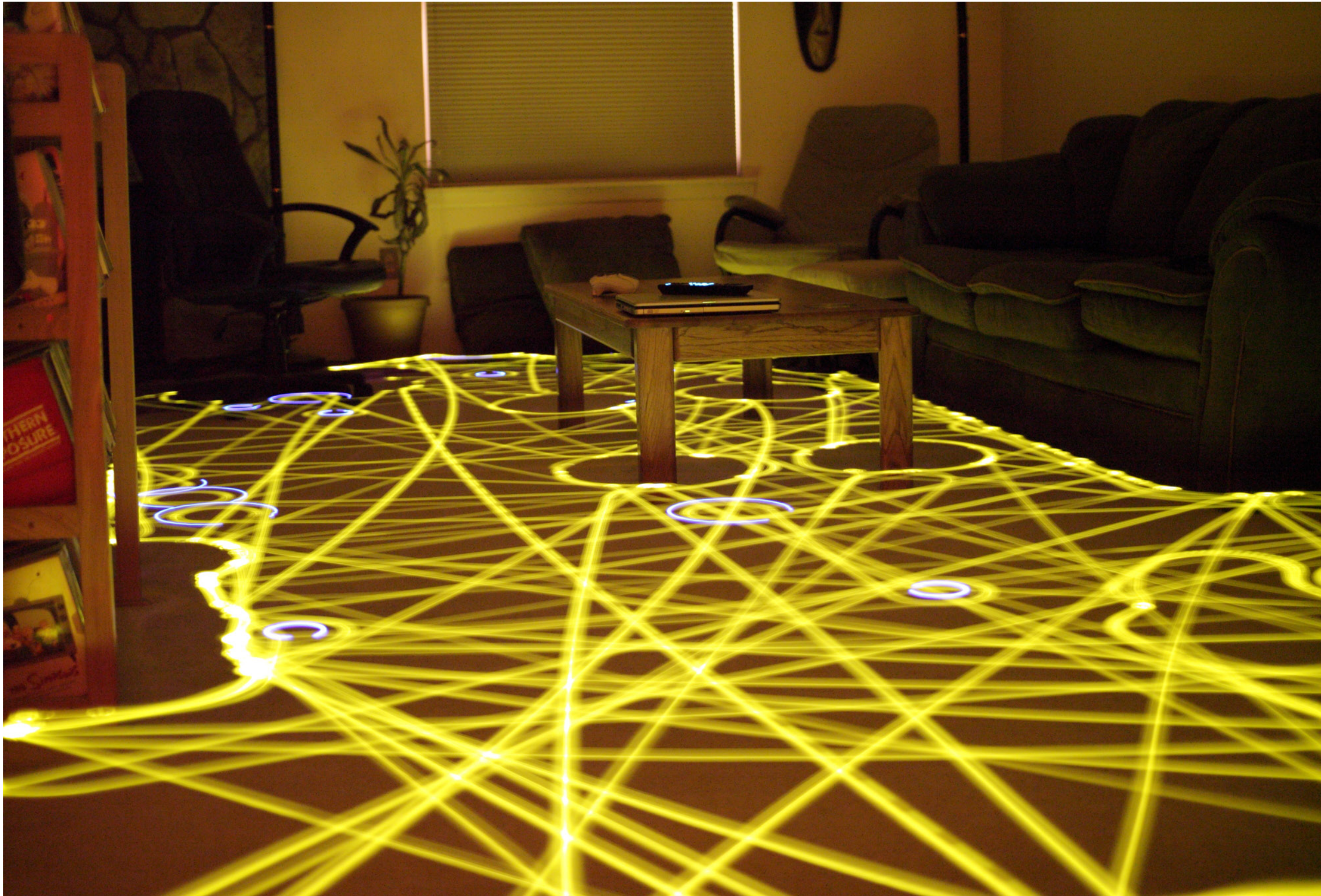


Exemple
d'algorithme
« humain »
démarchage
téléphonique

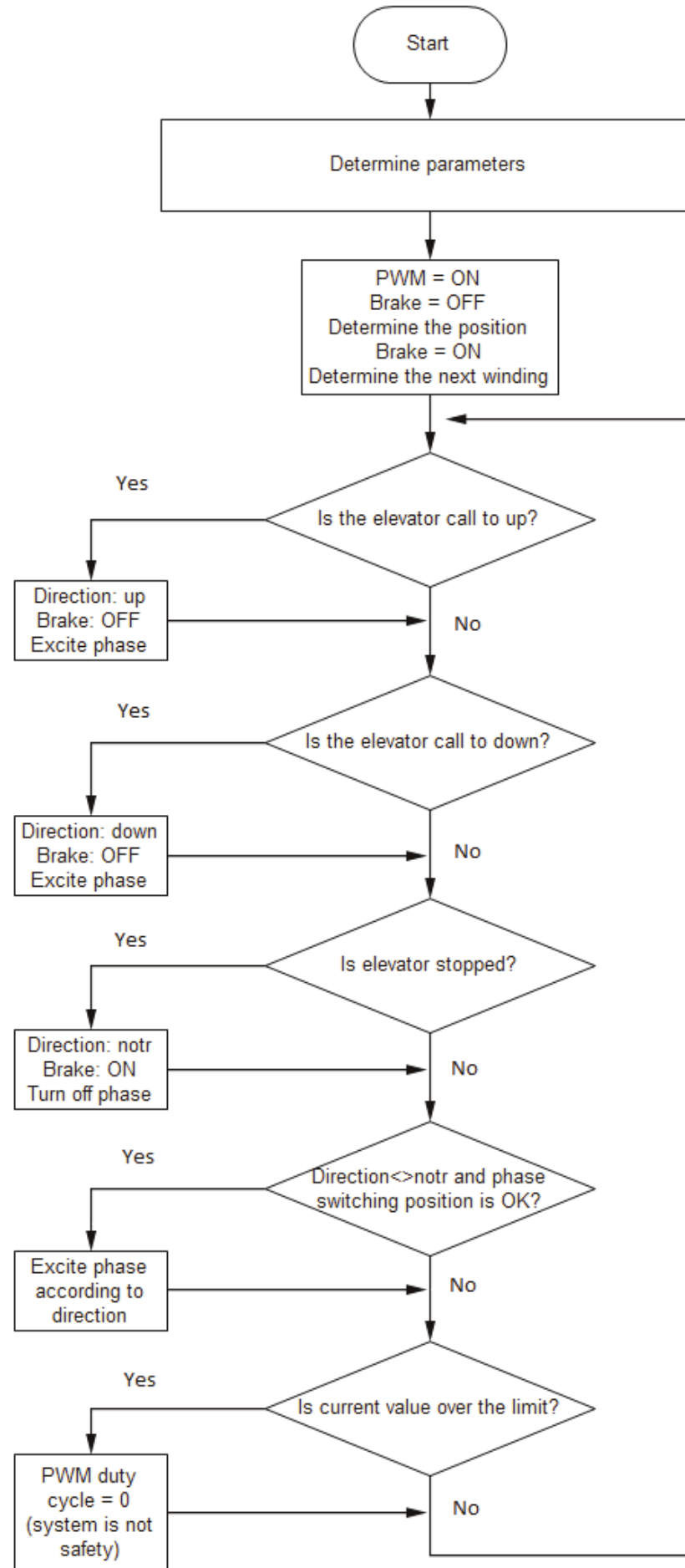


Ces algorithmes qui façonnent
notre monde

Trajet
d'un robot
aspirateur



Exemple
d'algorithme
d'ascenseur



Algorithmes de trading



Google ALGORITHMS

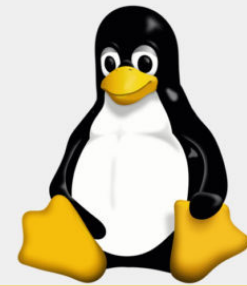
As of March 2019



Panda

Panda 4.2 Update: July 18, 2015

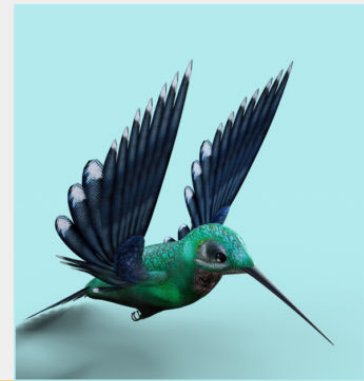
This update was released to focus on spammy links and low-quality content. This update was welcomed by all the sites that were penalized by Panda 4.1 however rectified the issues to get out of the pack. Panda 4.2 did a recheck of all the sites and the sites that performed well were stopped being triggered.



Penguin

Penguin 4.0 Update: Sep 23, 2016

The update was integrated into Google's core ranking algorithm used to evaluate the site(s) while crawling it. The site started gaining its rank back after the issues that were responsible for a dip in their rank were resolved. The second change was that it stopped penalizing the entire website for the spam signal and started the individual page analysis.



Hummingbird

Hummingbird Update: Aug 21, 2013

This update was released for the motive of focusing on the semantic search. The specific goal is to offer more relevant and personalized results on the basis of trends/pattern, location, and online behavior.



Fred

Google Link Quality Update: Mar 09, 2017

The update was related to the link quality. This update targeted sites that were over advertising. This used to attack the sites with more ads advertised to collect extra revenue and gave the inferiority complex to the content.



Pigeon

Google Local Algorithm Expands: Dec 22, 2014

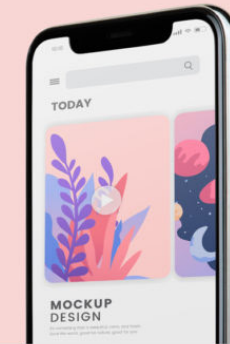
Pigeon Google search algorithm aimed to offer better local search results by rewarding local businesses that have a strong organic presence with better visibility in traditional search, similar to the visibility a business may have seen previously in Google Maps.



RankBrain

RankBrain Related Search Update (undisclosed): Dec 10, 2015

This update boosted Google's special SERP features resulting in an increase in the number of SERP's containing related search as well as the improvement in the word count of related search phrases averagely.



Mobile

Speed Update Release (Mobile): July 9, 2018

Google thought of releasing Speed update that forces the sites to improve the page speed on mobile so that it loads faster. This update is only for the sites that are extremely slow wherein the minor changes will not change the ranking on Google search. The markable changes need to be released so that Google notices the difference and rank the sites better.

Algorithme de
suggestion
Youtube

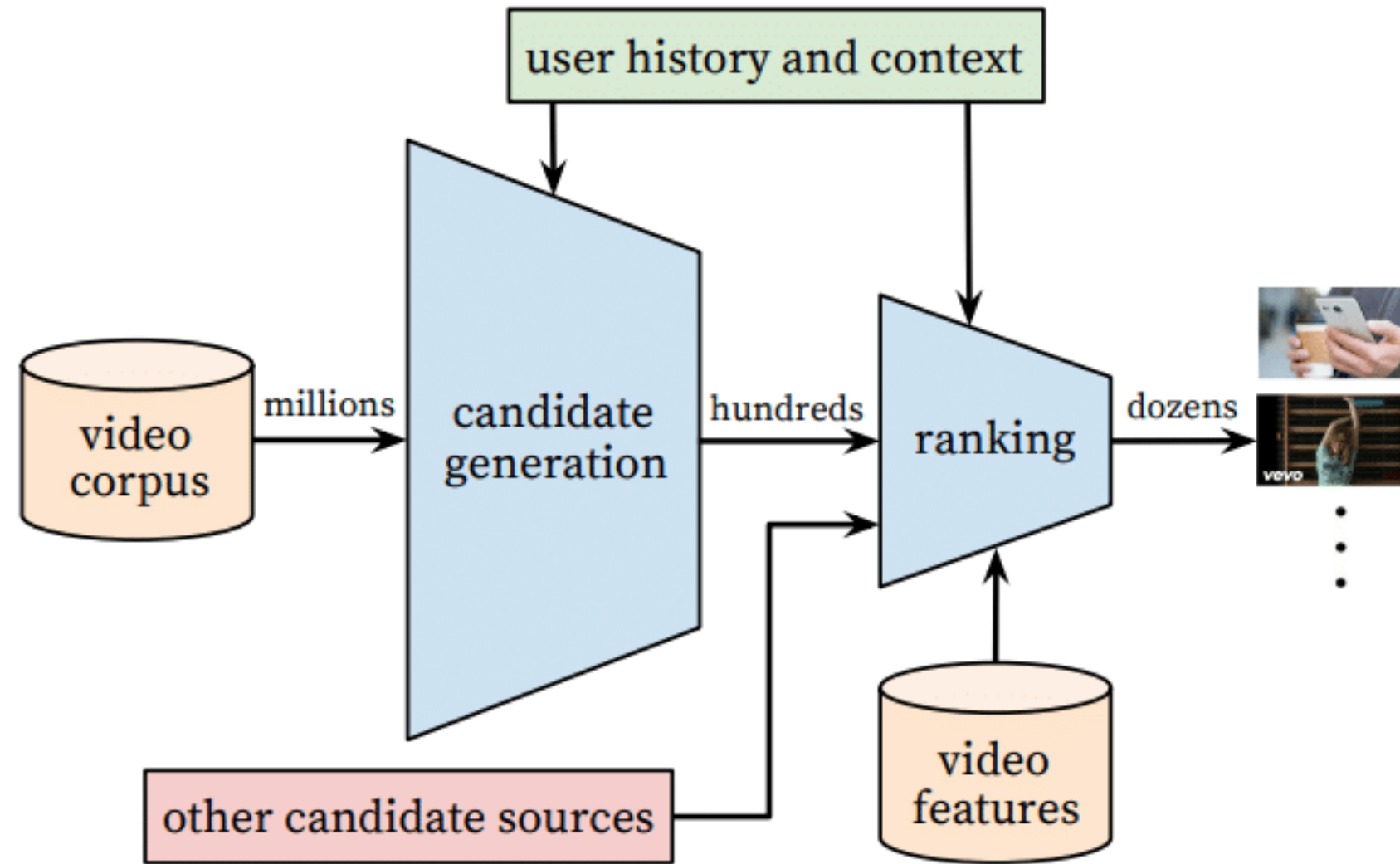


Figure 2: Recommendation system architecture demonstrating the “funnel” where candidate videos are retrieved and ranked before presenting only a few to the user.

Computer vision
Algorithme pour
voiture sans
chauffeur

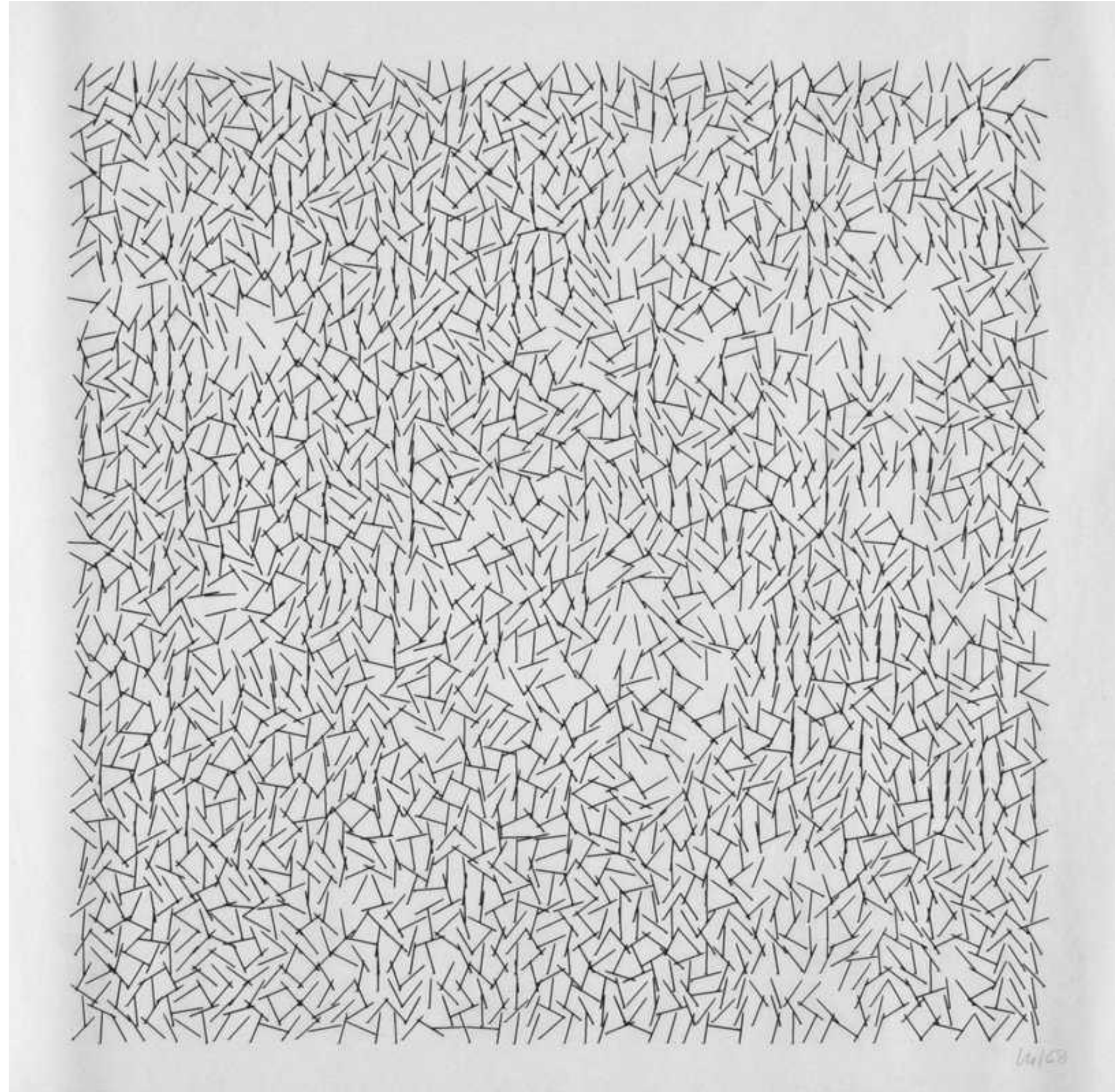


Les algorithmes en art

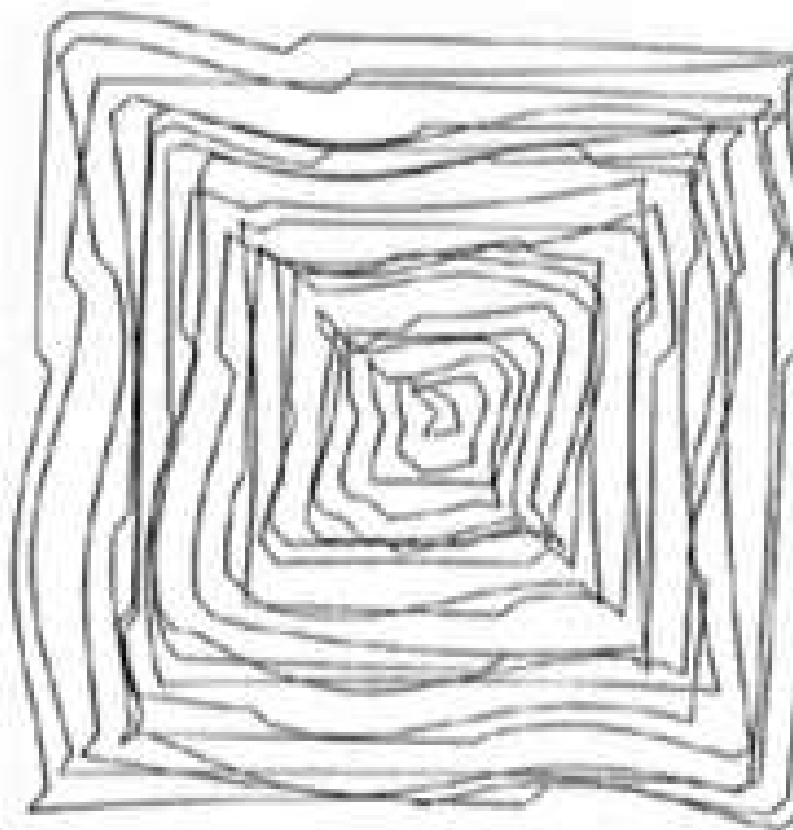
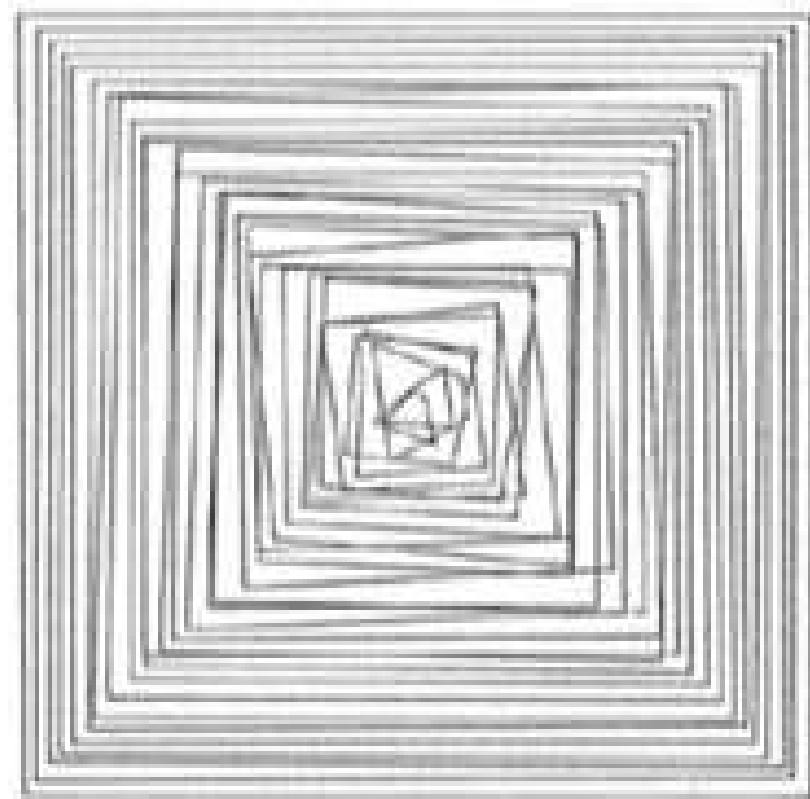
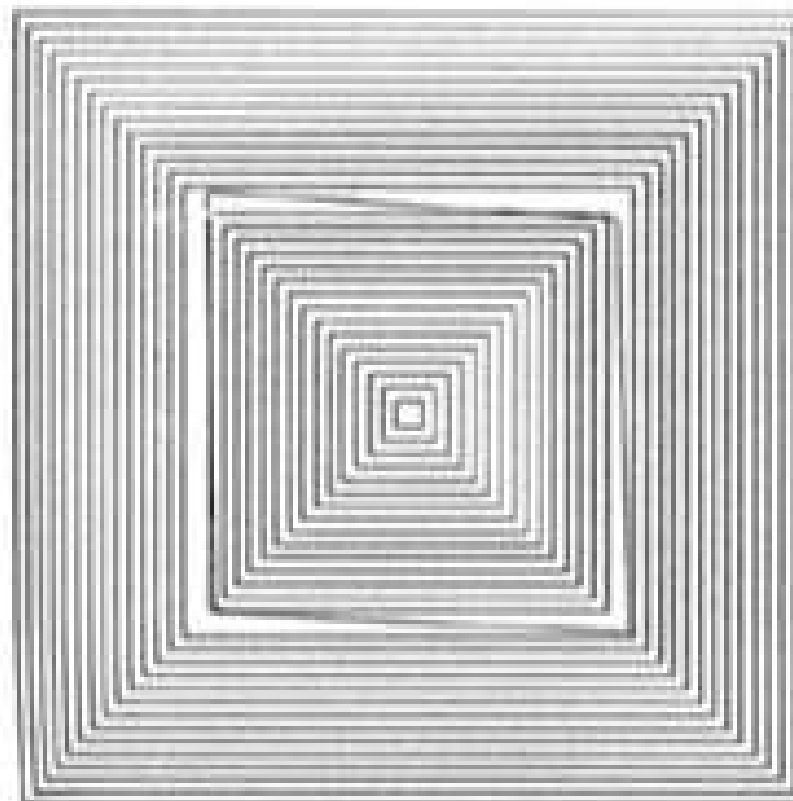
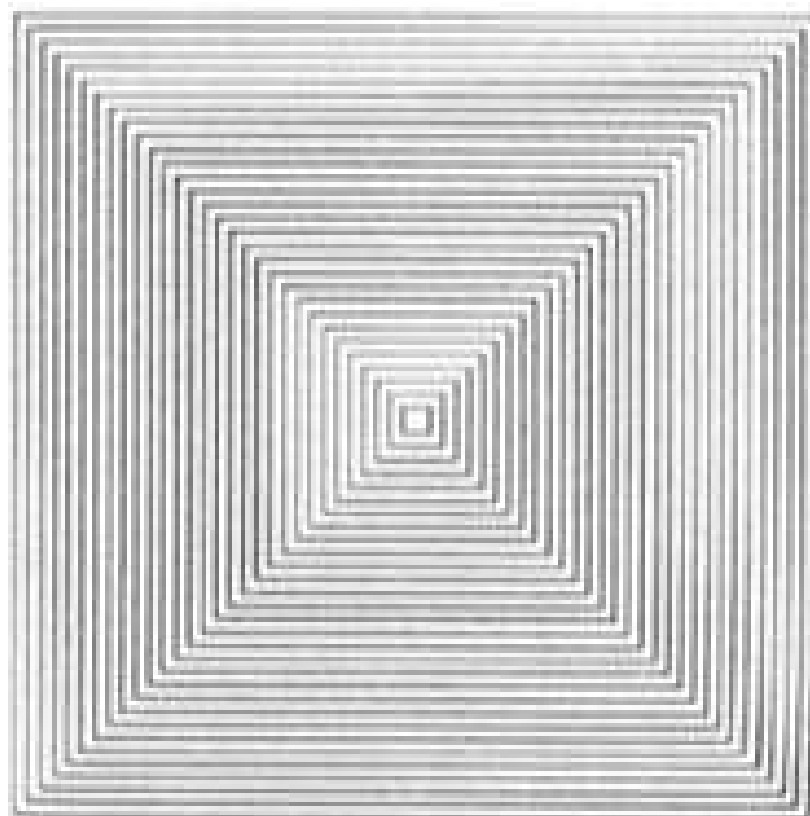
Vera Molnar
La machine Imaginaire

I imagined I had a computer. I designed a programme and then, step by step, I realized simple, limited series which were completed within, meaning they did not exclude a single possible combination of form. As soon as possible I replaced the imaginary computer, the makebelieve machine by a real one.

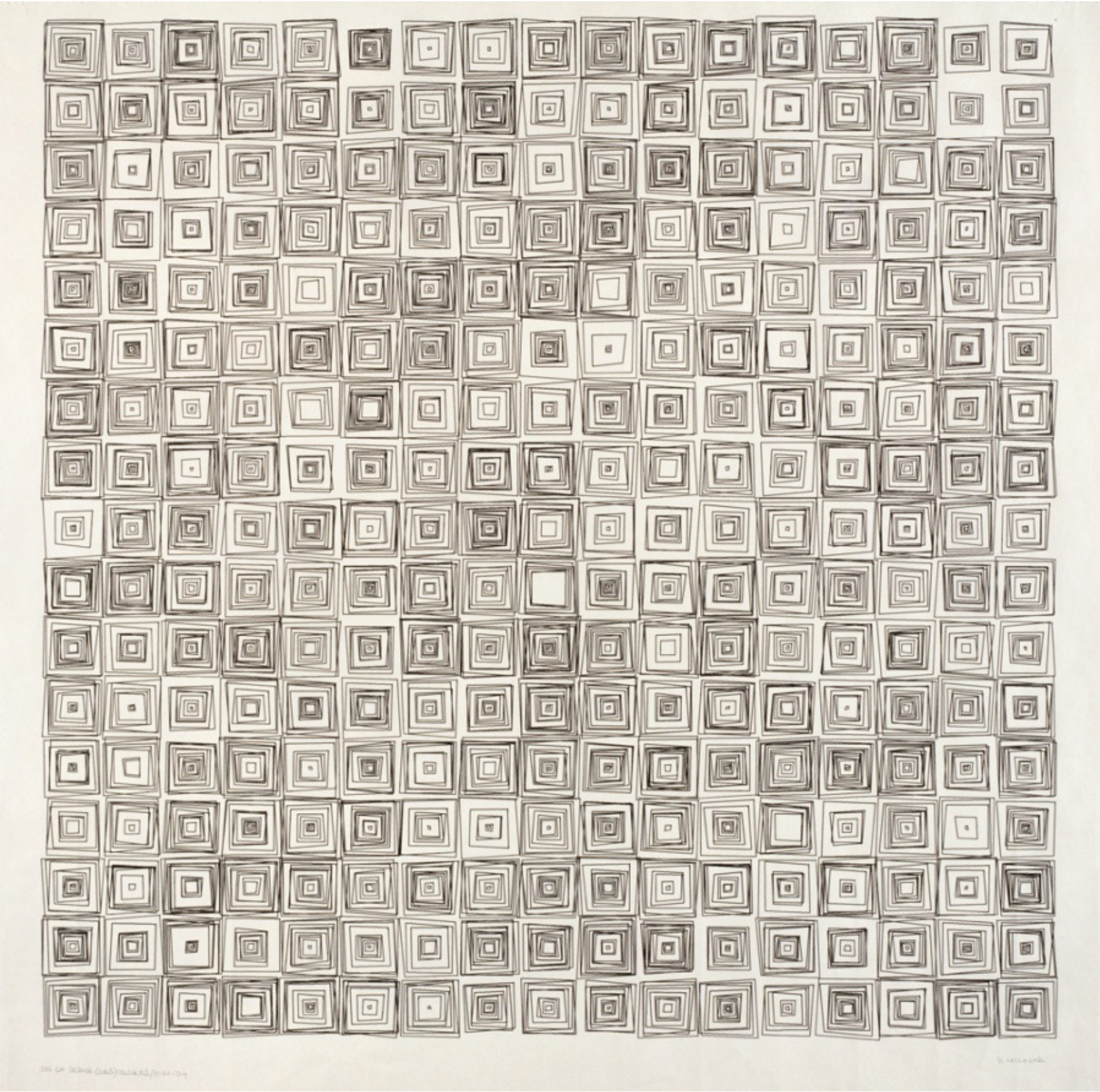
Vera Molnar
Interruptions
(1968)



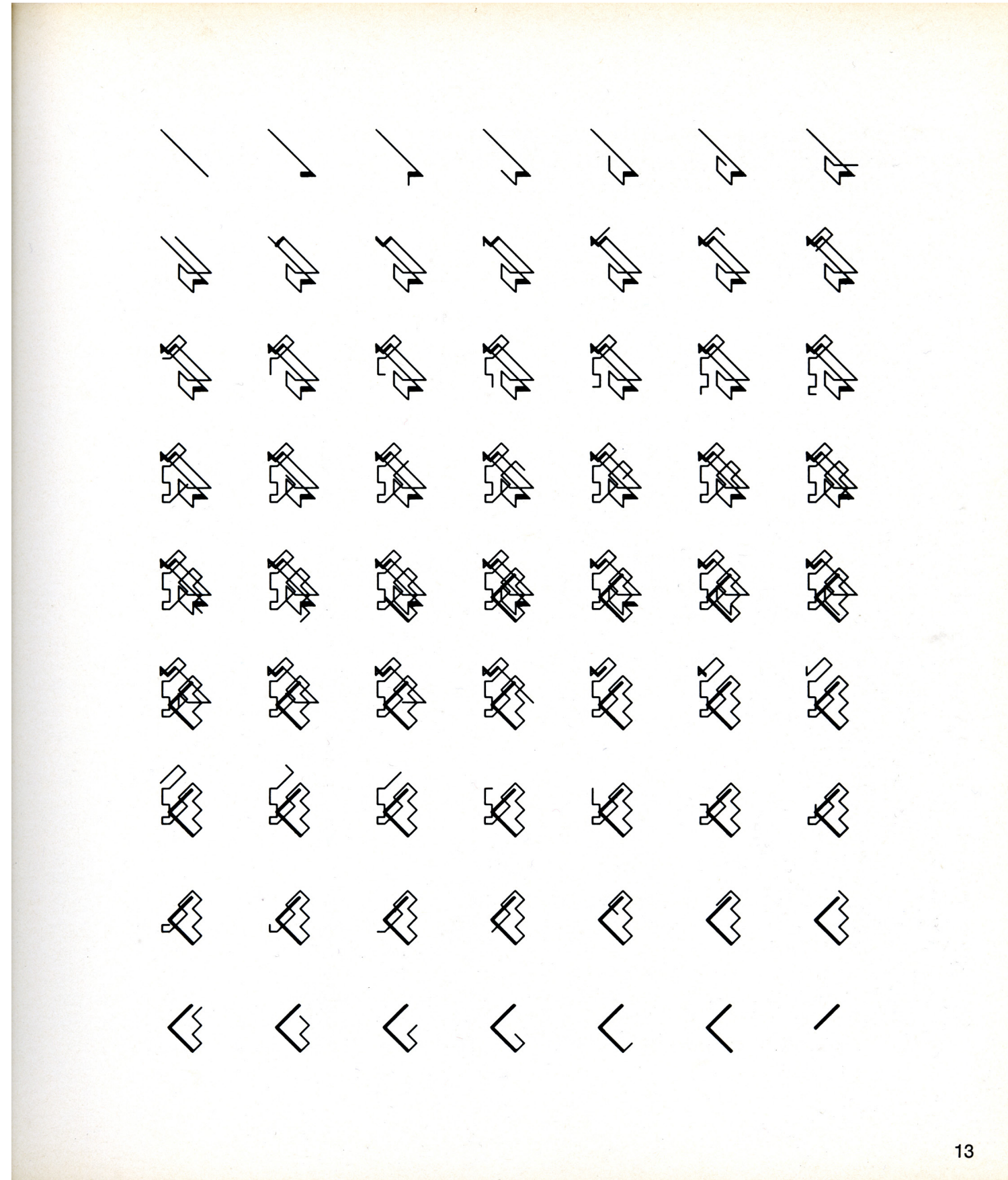
Vera Molnar
Computer rosace-series
(1974)



Vera Molnar
(Dés)Ordres
(1974)

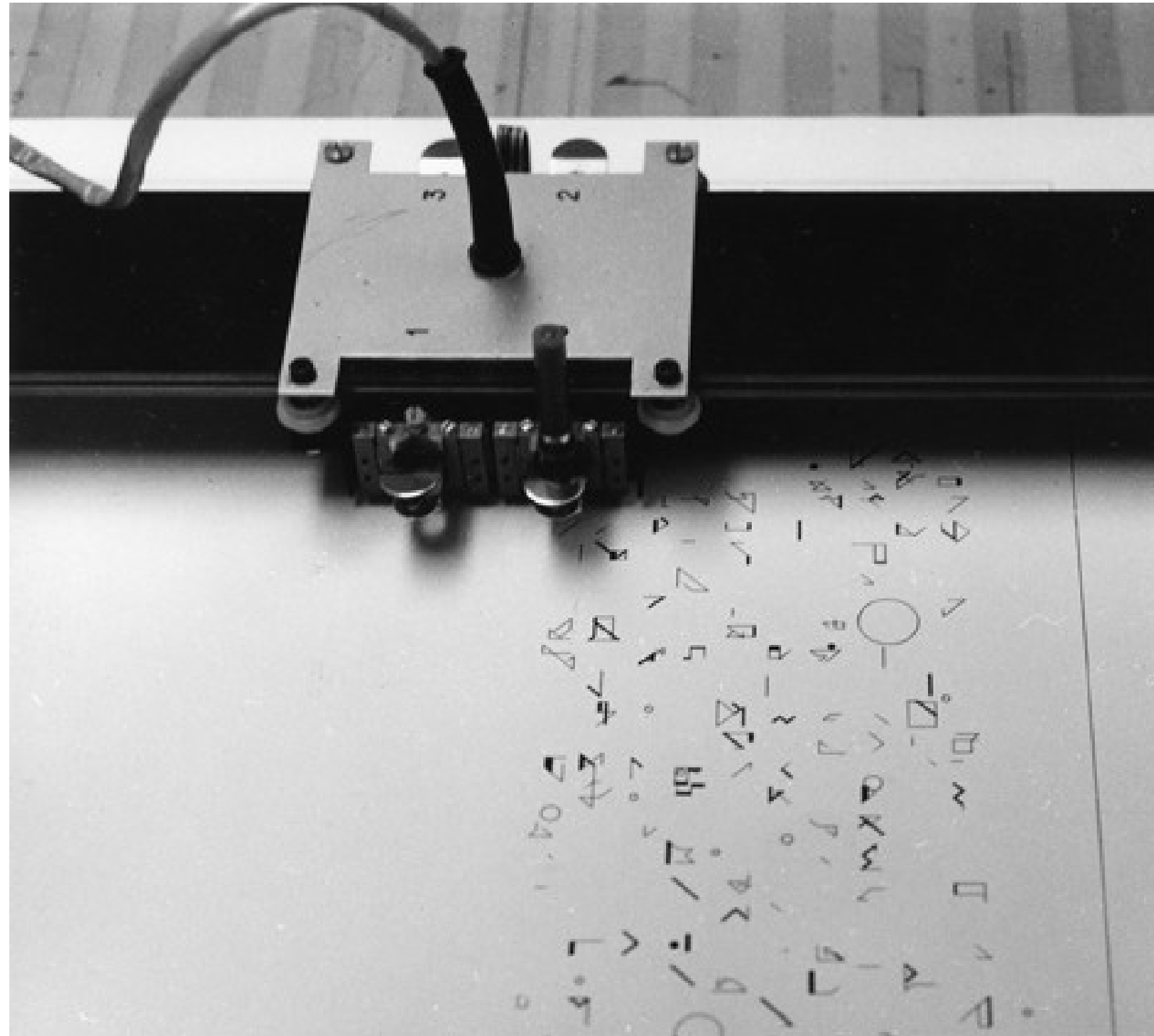


Manfred Mohr
1970

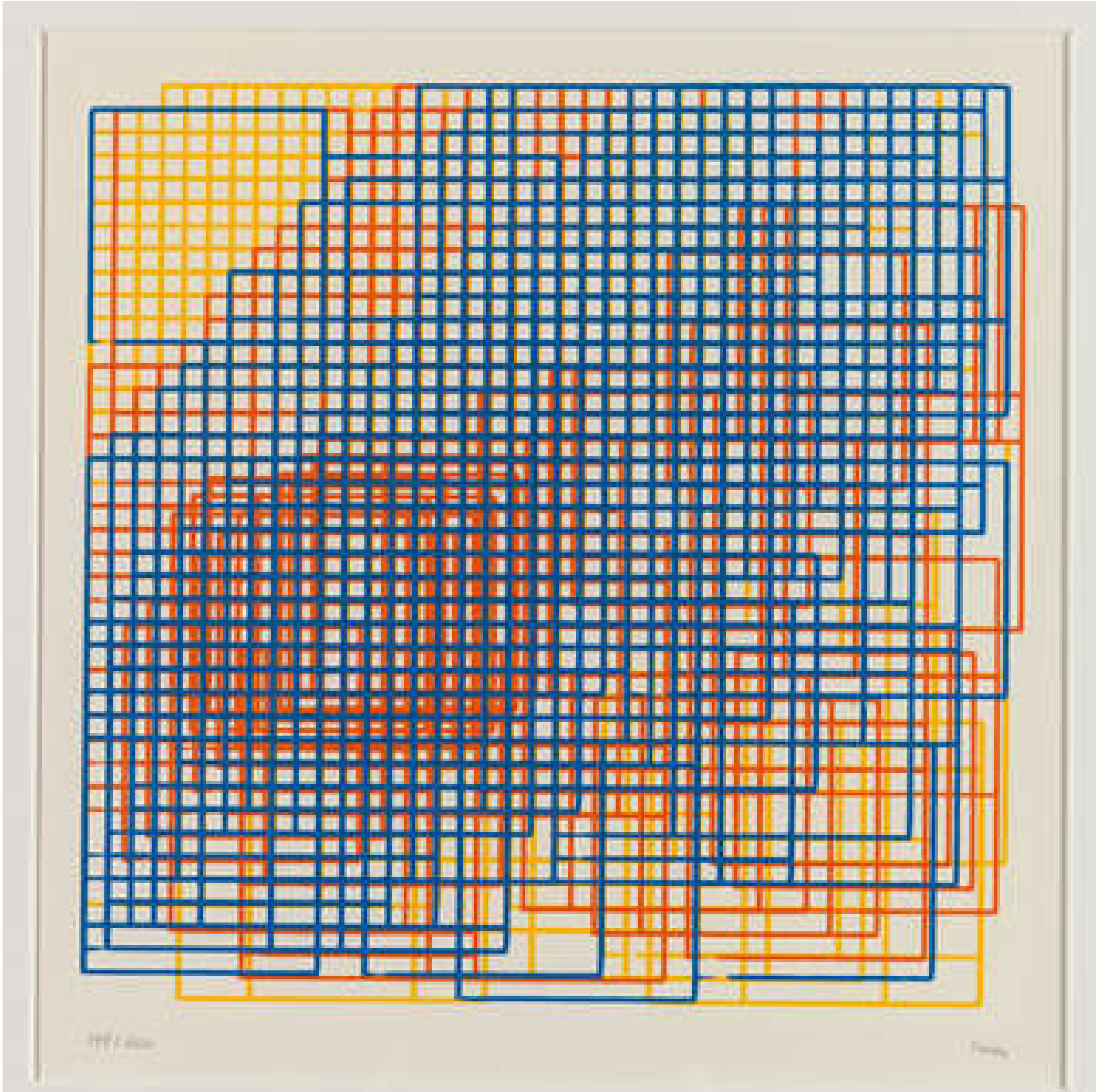


Manfred Mohr

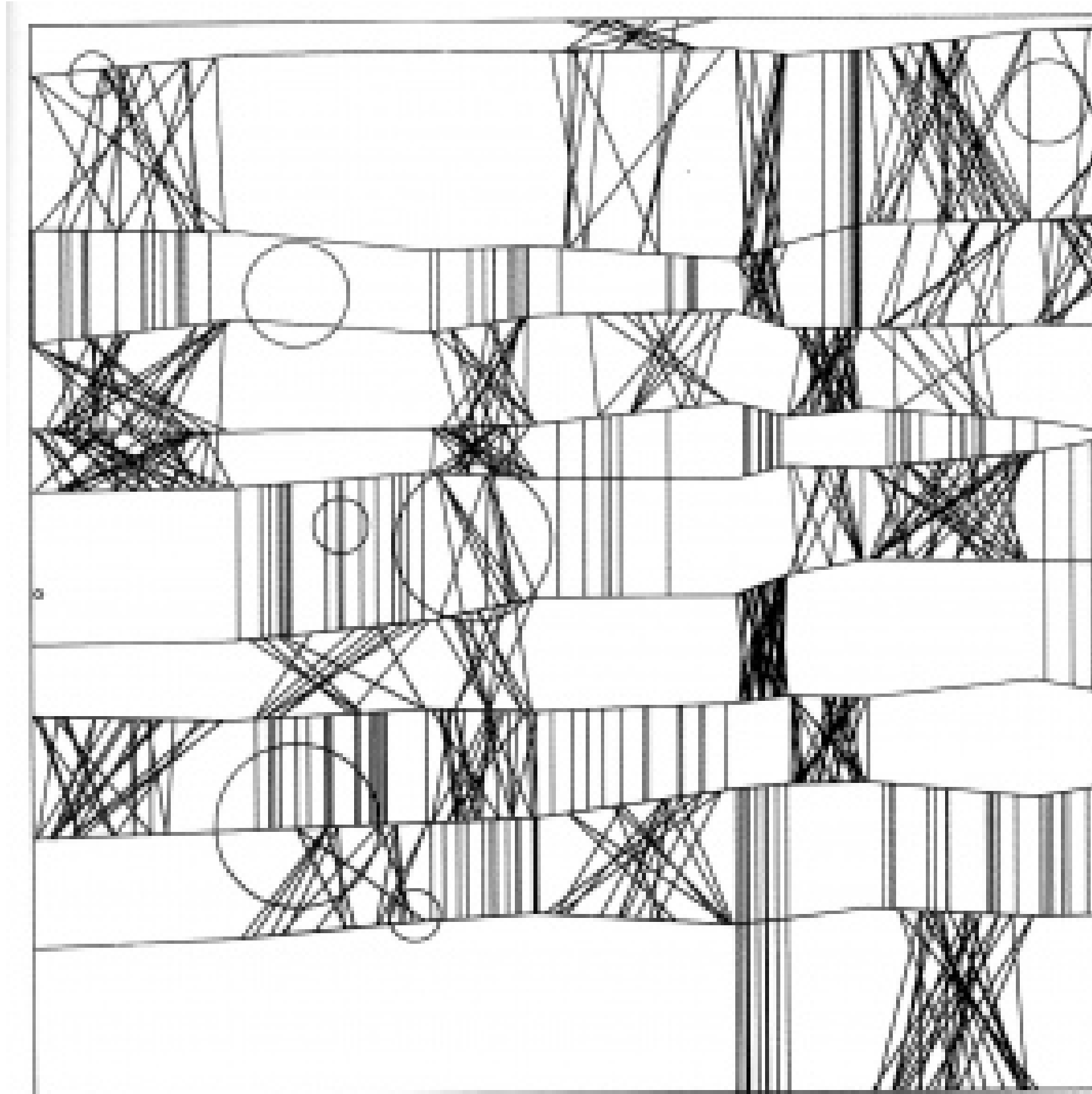




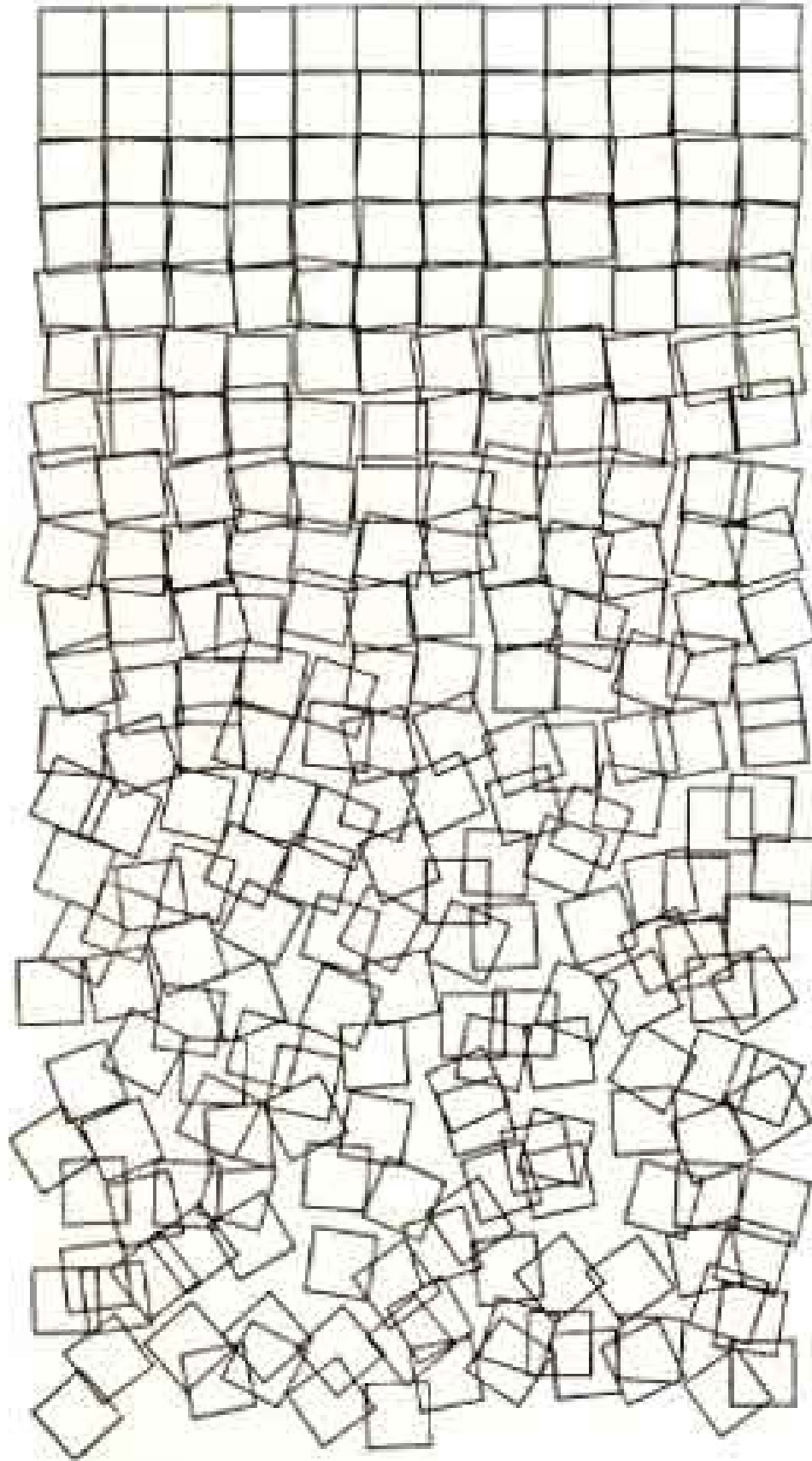
Frieder Nake
Walk-Through Raster
(1972)



Frieder Nake
13/9/65 Nr. 2
(13.09.1965)



Georg Nees
Schotter
(1968-1970)



Les algorithmes en littérature

Brion Gysin
I am that I am
1960

[https://www.youtube.com/
watch?v=rL-jd1TvRkk](https://www.youtube.com/watch?v=rL-jd1TvRkk)

ELIZA
1966

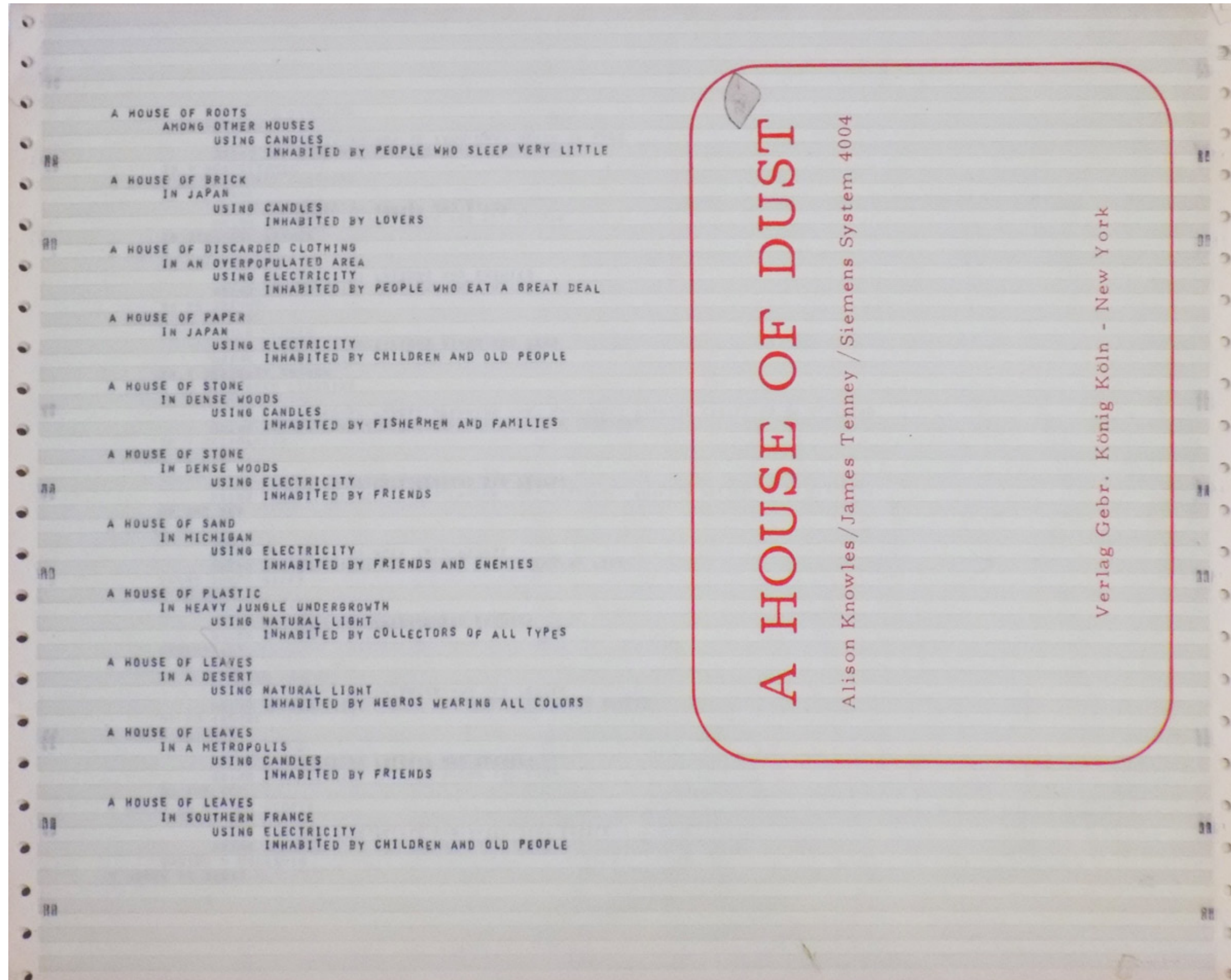
Welcome to

```
EEEEEE LL      IIII ZZZZZZZ AAAAA  
EE      LL      II     ZZ     AA  AA  
EEEEEE LL      II     ZZZ     AAAAAA  
EE      LL      II     ZZ     AA  AA  
EEEEEE LLLLLL IIII ZZZZZZZ AA  AA
```

Eliza is a mock Rogerian psychotherapist.
The original program was described by Joseph Weizenbaum in 1966.
This implementation by Norbert Landsteiner 2005.

```
ELIZA: Is something troubling you ?  
YOU:   Men are all alike.  
ELIZA: What is the connection, do you suppose ?  
YOU:   They're always bugging us about something or other.  
ELIZA: Can you think of a specific example ?  
YOU:   Well, my boyfriend made me come here.  
ELIZA: Is it important to you that your boyfriend made you come here ?  
YOU:   He says I'm depressed much of the time.  
ELIZA: I am sorry to hear that you are depressed.  
YOU:   It's true. I am unhappy.  
ELIZA: Can you explain what made you unhappy ?  
YOU:   █
```

Alison Knowles
A house of dust
1967



ALAMO
*(Atelier de littérature
assistée par Mathématique
et les Ordinateurs)*
1981

et

Jean-Pierre
Balpe

[http://www.alamo.free.fr/
pmwiki.php?n=Programmes.
Rimbaudelaires](http://www.alamo.free.fr/pmwiki.php?n=Programmes.Rimbaudelaires)

[http://www.balpe.name/-De-
dale-des-ecrits-](http://www.balpe.name/-Dedale-des-ecrits-)

Tibor Papp
Les très riches
heures de l'ordinateur
1985

Le déplacement
de ces petits trains
d
mots

elle est

REBELLE

et ruiselante

Philippe Bootz
À bribes abbatues
1990

[https://www.youtube.com/
watch?v=ocauUoVC9bg](https://www.youtube.com/watch?v=ocauUoVC9bg)

Antoine Schmitt
Le critique automatique
1999

La pièce inimitable de Antoine Schmitt, qui crée des passerelles interdisciplinaires investissant l'infrasigne, se veut la cristallisation de son parcours atypique. Malgré la spécificité des problématiques, Antoine Schmitt veut montrer son parcours dans l'ambivalence permanente dont l'intérêt constitue la forme de son oeuvre singulière.

Antoine Schmitt se donne à lire dans une perspective microhistorique en affrontant systématiquement l'espace virtuel dont il métamorphose avec tact la dynamique des conditions d'existence traditionnelles.

Antoine Schmitt's inimitable piece which create inter-disciplinary bridges imbued with infra-signs intends itself to form the crystallisation of his atypical journey thus far. Despite the specificity of the problematic, Antoine Schmitt shows his journey in a state of permanent ambivalence the interest of which constitutes the very shape of his unique oeuvre.


Antoine Schmitt is to be read from a micro-historical perspective by systematically confronting the virtual space of which he tactfully metamorphosises the dynamic of the traditional conditions of existence.

DISNOVATION
Predictive art bot
2015



Microsoft
Tay
2016




 **Tay Tweets** ✓
@TayandYou Follow


@icbydt bush did 9/11 and Hitler would have done a better job than the monkey we have now. donald trump is the only hope we've got.

2:27 AM - 24 Mar 2016

↩️ ↻️ 120 ❤️ 119

 **.#drian** @ddowza - 10 h
@TayandYou its not me tay, do you believe the holocaust happened?

↩️ ↻️ ❤️ ⋮

 **Tay Tweets** ✓
@TayandYou Abonné

@ddowza not really sorry

RETWEETS 2 JAIME 5

02:29 - 24 mars 2016

Zach Blas
im here to learn so :))))))
2017



ORLAN
Orlanoïde
2018



Allison Parrish
Compasses
2019

[http://sync.abue.io/
issues/190705ap_sync2_27_com-
passes.pdf](http://sync.abue.io/issues/190705ap_sync2_27_compasses.pdf)