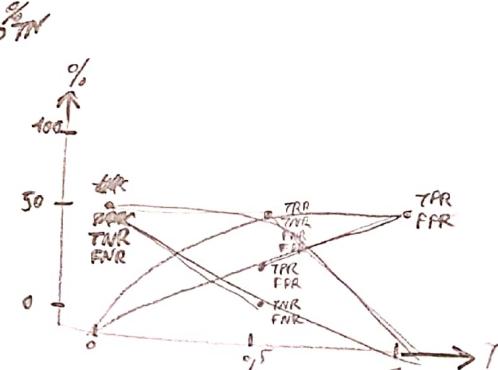
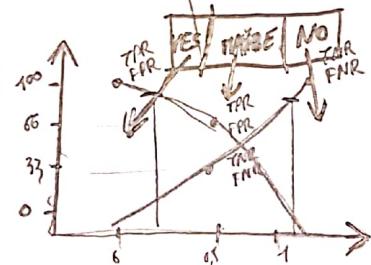


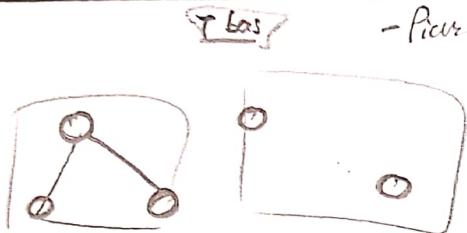
$T = 0.5$

GT

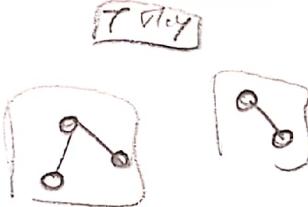
	$A < T$	$A \geq T$	with dist	
1 dans A	1 TP v P	1 FN x P	1TP ✓ P	How many points do I evaluate? 1 (or N4)
1 pas dans A	1 FP x N	1 TN v N	1 FP x N	
1 pas dans A	1 TP v P	1 FN x P	1 TP ✓ P	
1 pas dans B	1 FP v N	1 TN v N	1 FP x N	
1 pas dans B	1 TP v P	1 FN x P	1 FN x P	
1 dans B	1 TP v P	1 TN v N	1 TN ✓ N	
1 pas dans C	1 FP x N	1 TN v N		

	TPR	TNR	PPR	FNR
P	50% / 3/6	0	50% / 3/6	50% / 3/6
N	0	100%	0	100%





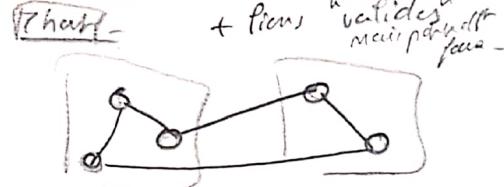
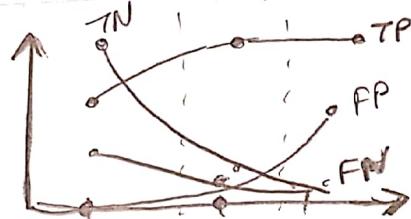
T bon - Picou "valides"



T viv

2 TP
0 FP
1 FN
2 TN

3 TP
0 FP
0 FN
2 TN



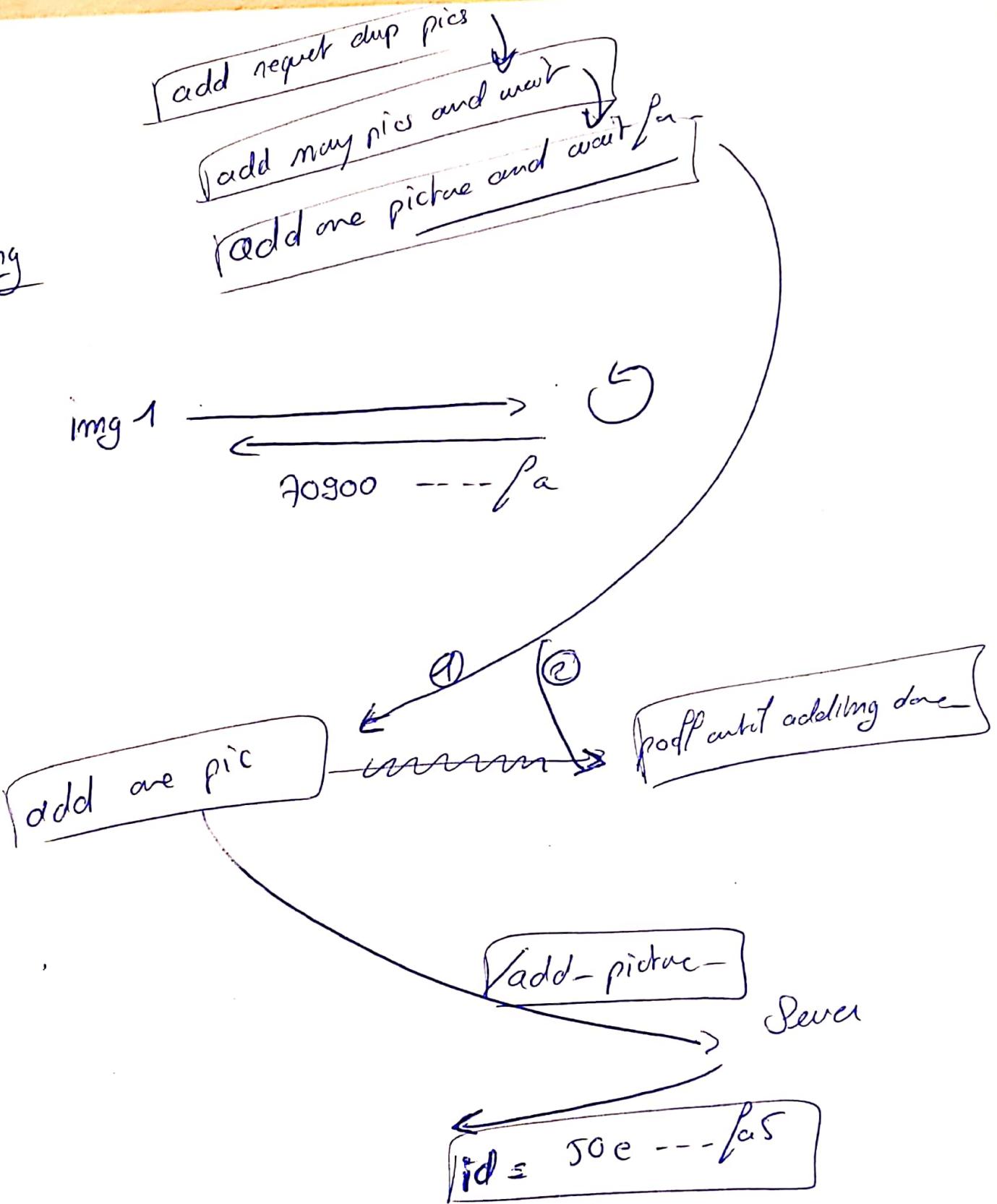
T mort - + Picou "valides"
mais pas d'effacement

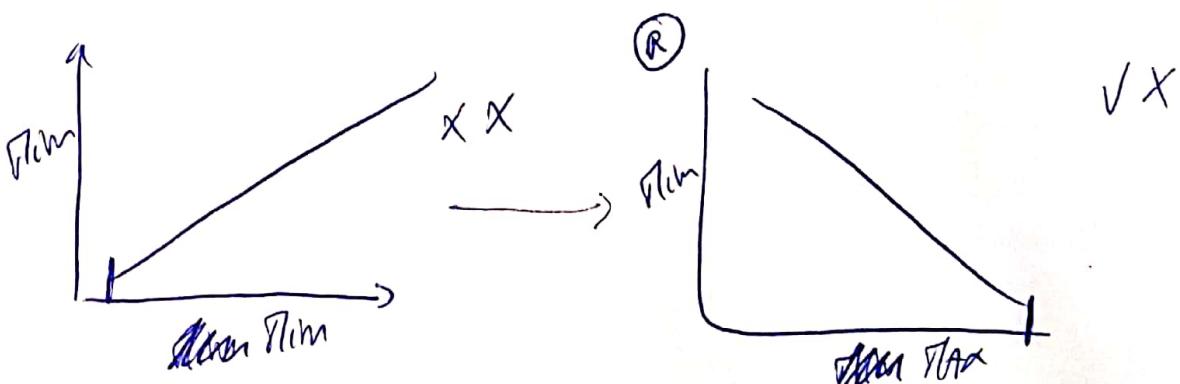
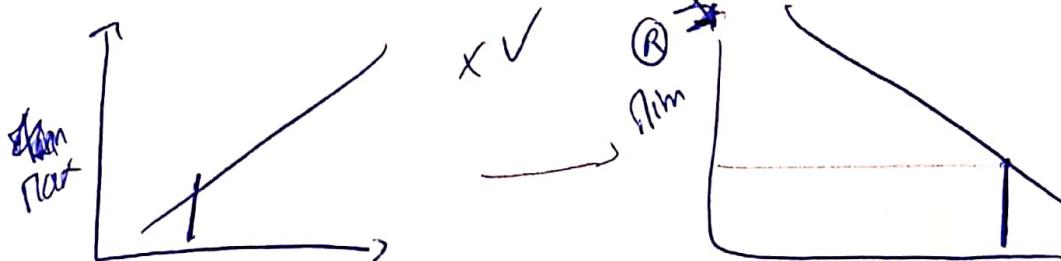
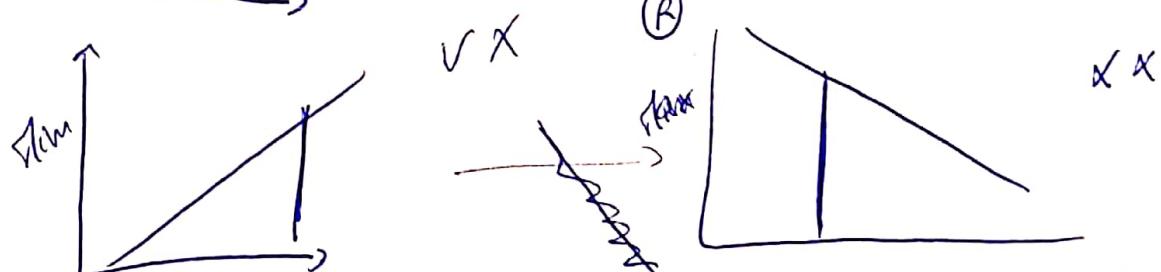
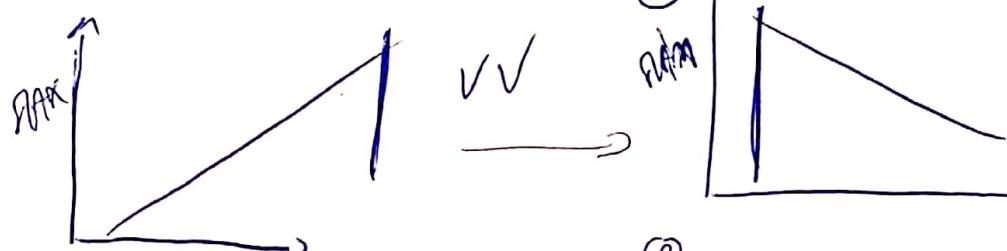
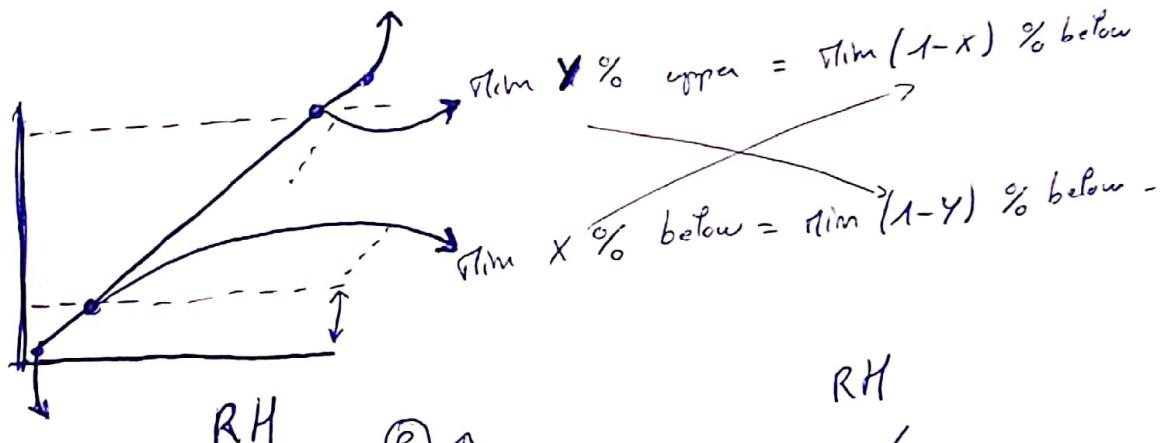
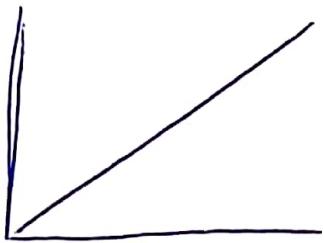
|| ge || (x)

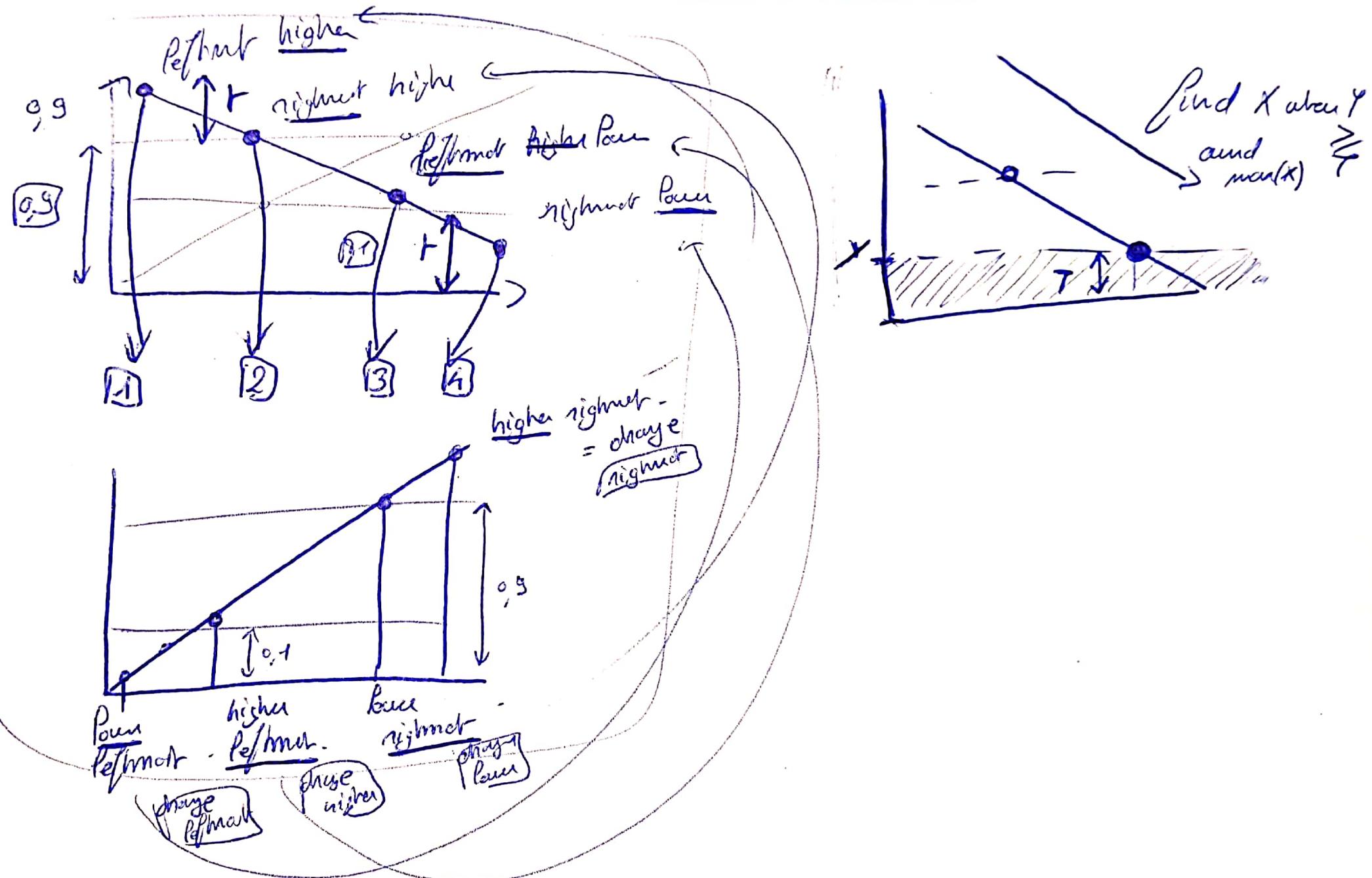
3 TP
2 FP
0 FN
0 TN

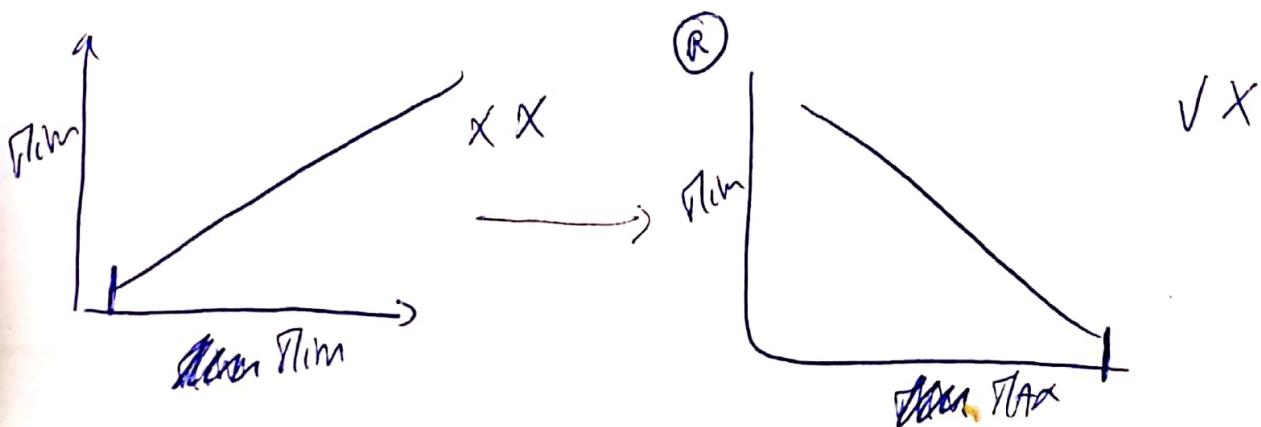
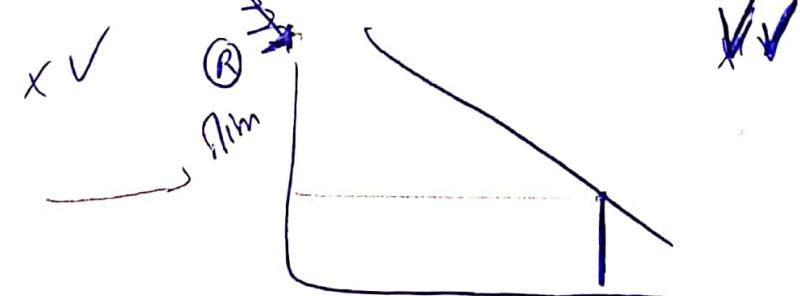
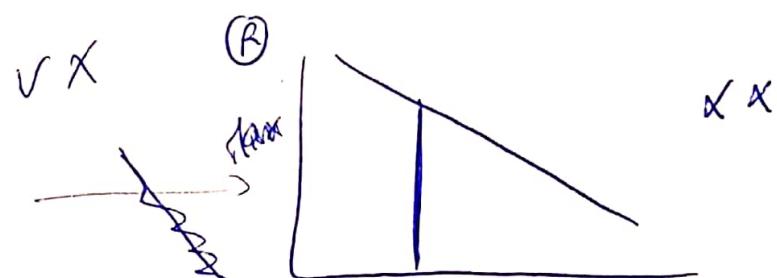
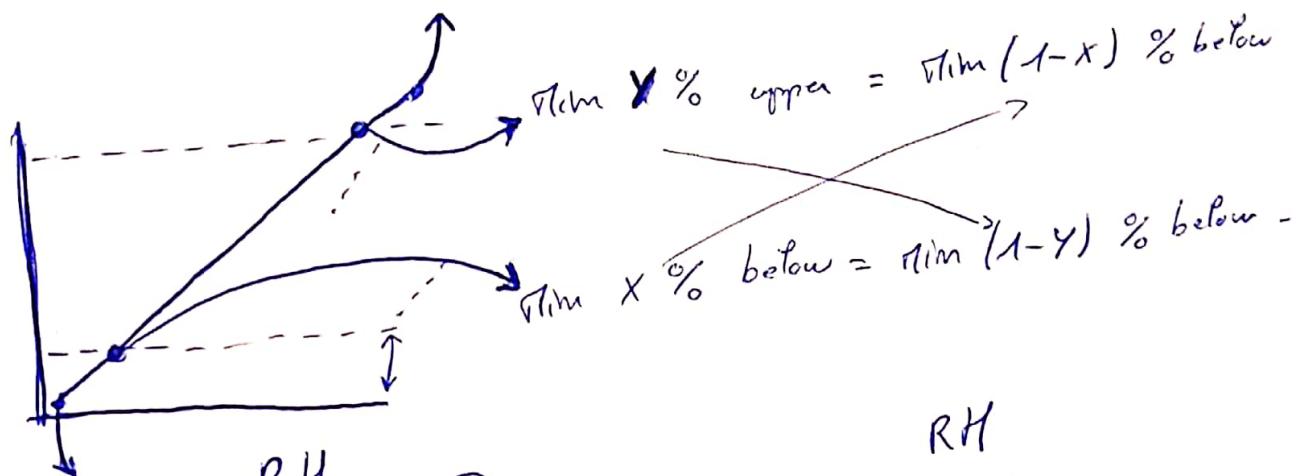
\leftarrow TP \rightarrow FP
 \leftarrow FN \rightarrow TN
 YES = If one true positive, there is no FP
 MAYBE = $\frac{TN}{FN}$
 NO = If one true negative, there is no FN

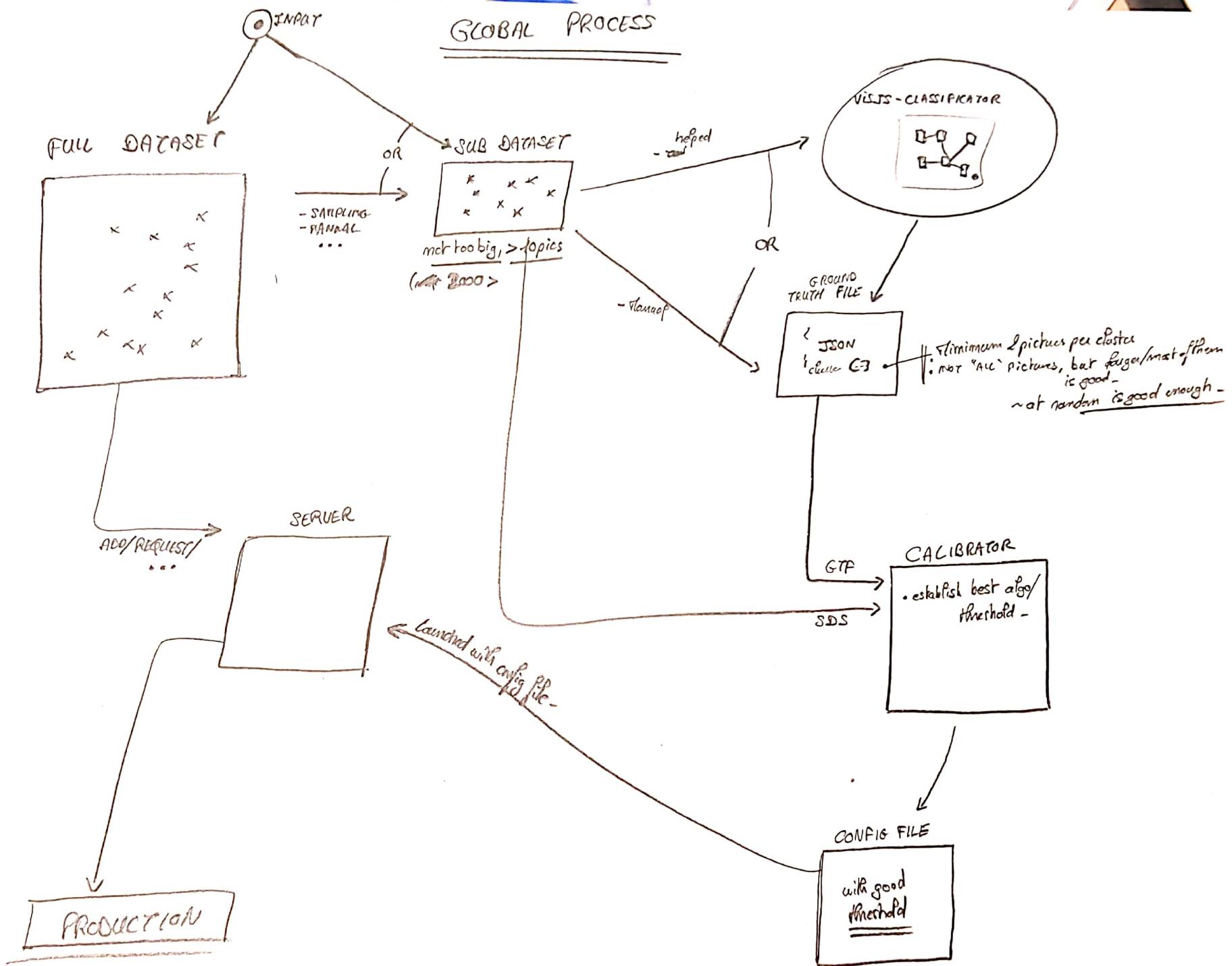
Adding



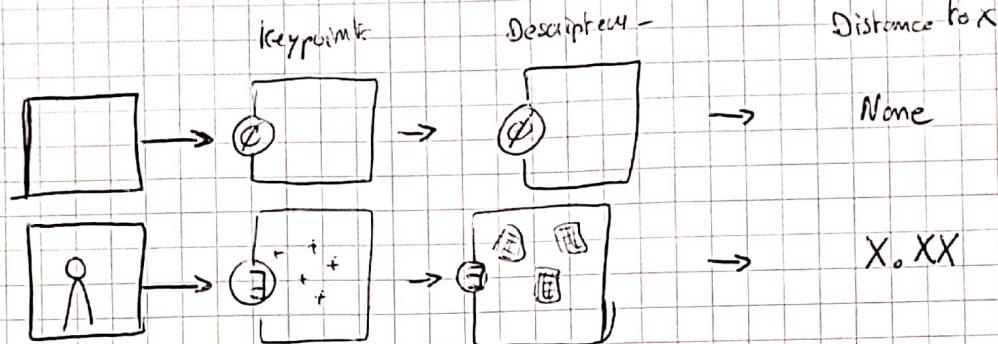








Clustering?



LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Économie
et du Commerce extérieur

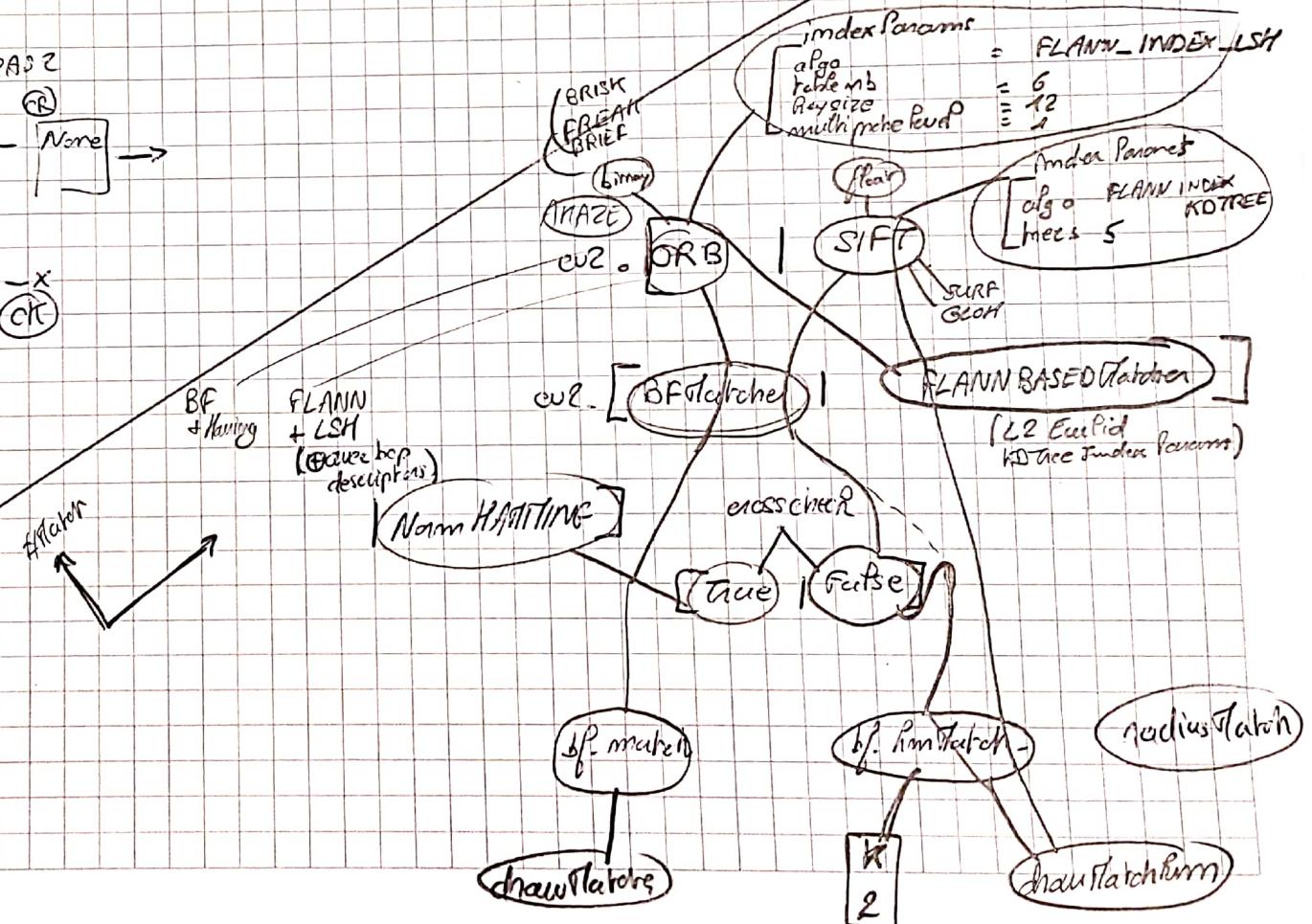


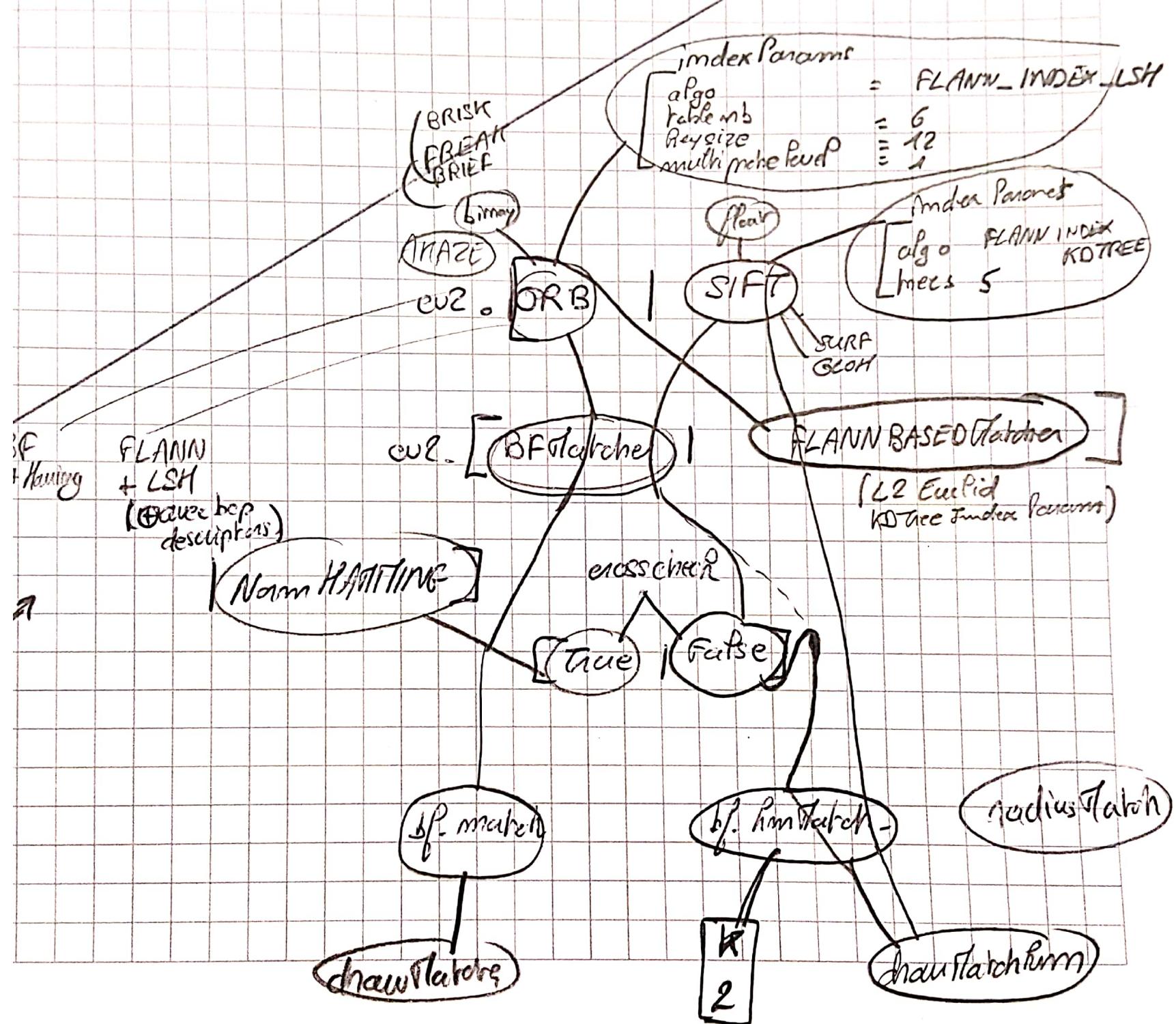
	CAS 1
	(AND)
CAS A	None - None
	<u>dist = 0</u>
CAS R	None \neq X

Retinex Simon

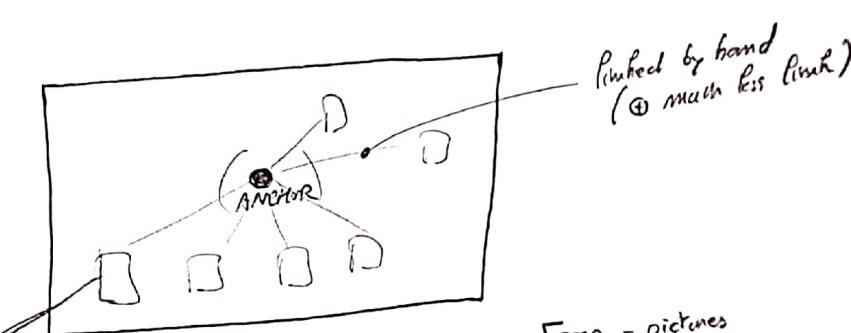
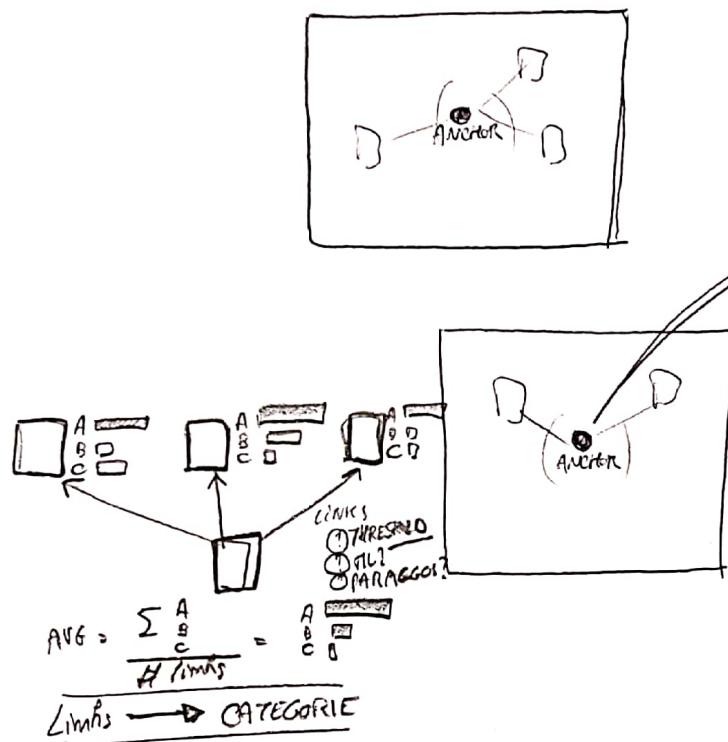
VARIABLE

NE FEATURES
Threshold?





MULTI CLASSE?



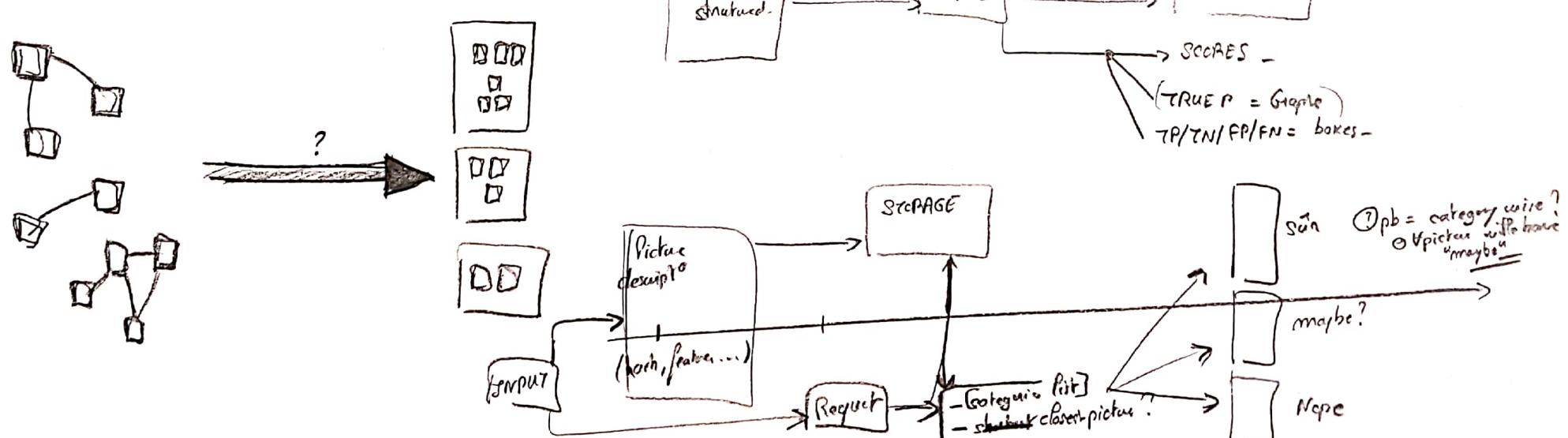
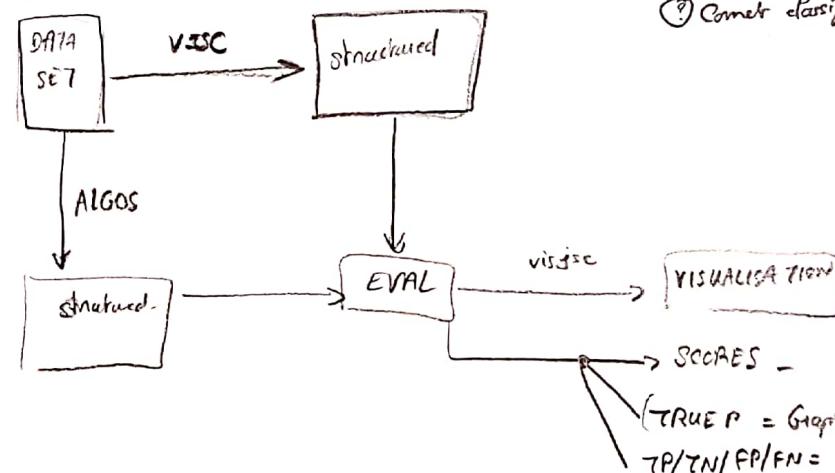
PARAMS + GUI

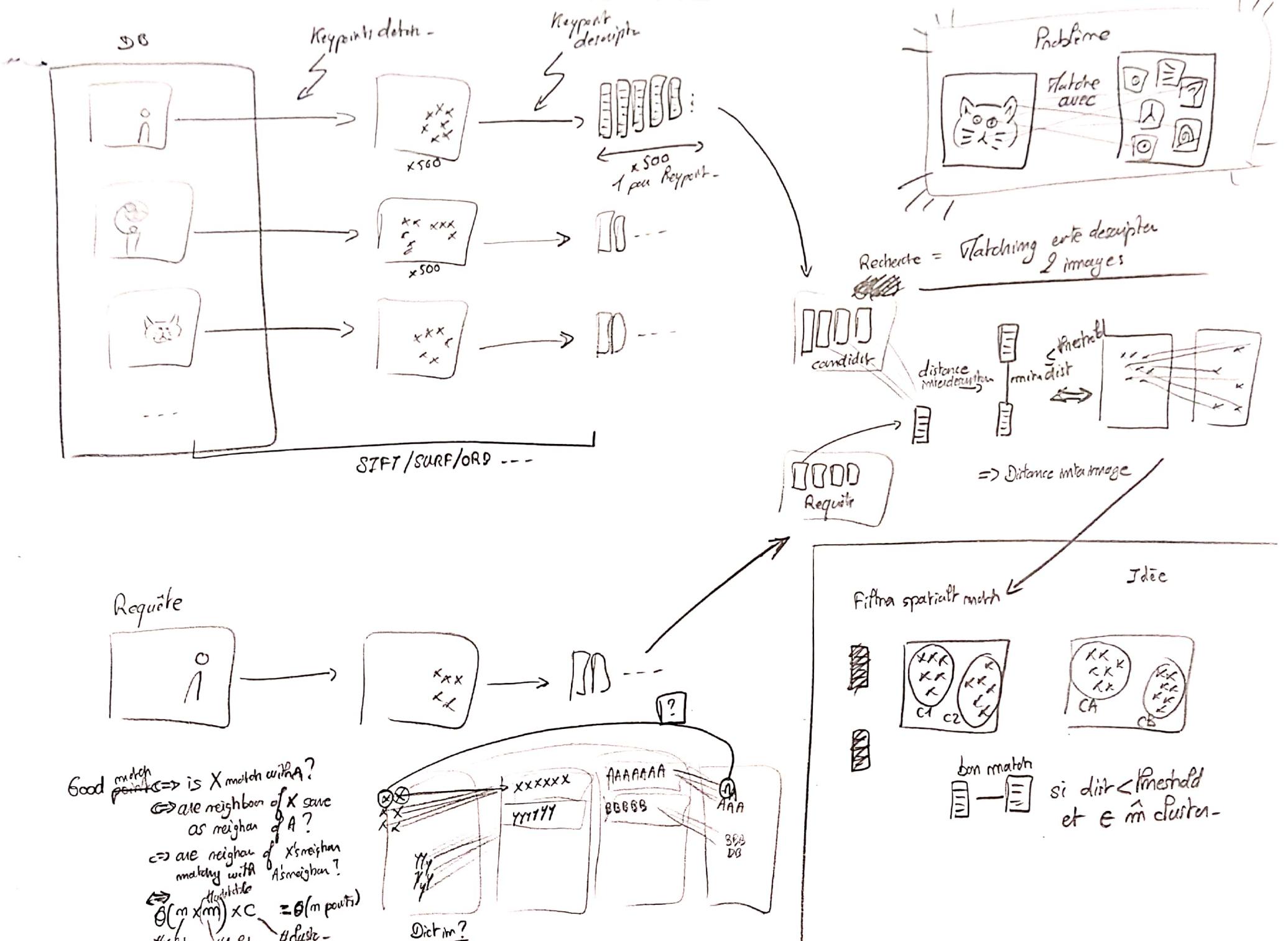
Nodes → STD = pictures
ANCHOR = categories

EDGES → STD = LINK between pictures
ANCHOR-LINK = categorisit^o

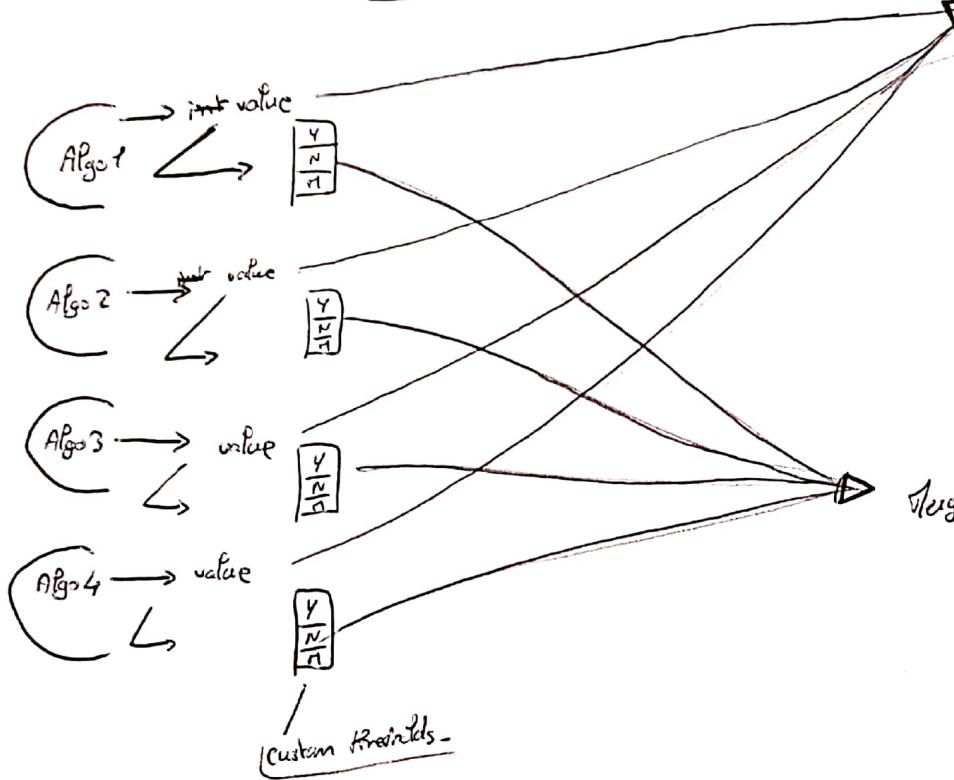
progs
obj type [hand/hand...]
confidence = 1 - dist [0,1]
> cycle - (generated? or fixed for hand...)

- ③ Comet categorisa multi-logs?
- ② Comet classifica SP?

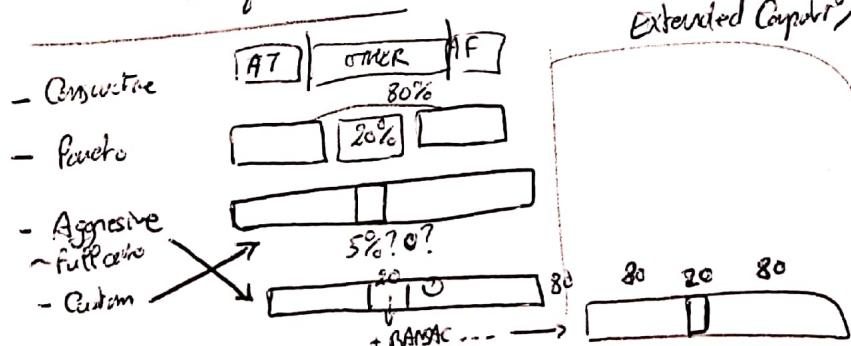




MERGING ALGOS



Auto calculate with
truth fcts?

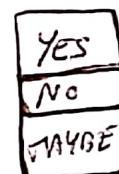


Direct Merge

- MAX ({alg})
- MAX ({90% alg})
- MEAN
- MIN?
- Custom ponded? 80% & RB, 20% X, ...
⊕ 30% fcts?

Merge YNT

- Royal flush $\rightarrow \overline{Y\ Y\ Y\ Y\ Y} \rightarrow Y$
- Pairs $\rightarrow \overline{Y\ Y\ ?\ ?} \text{ OR } \overline{\# Y\ Y\ Y} \rightarrow 80\%$
 $\overline{A\ A\ A\ A} \rightarrow 80\%$
"The Pairs"
- Custom N
- Pair $\rightarrow \# Y \geq N$
- $\rightarrow \# Y \geq 2$



NOTES

NOT PASSWORDS

- Alg 1 $\begin{matrix} Y \\ N \\ N \end{matrix}$
- Alg 2 $\begin{matrix} Y \\ N \\ N \end{matrix}$
- Alg 3 $\begin{matrix} Y \\ N \\ N \end{matrix}$
- Alg 4 $\begin{matrix} Y \\ N \\ N \end{matrix}$

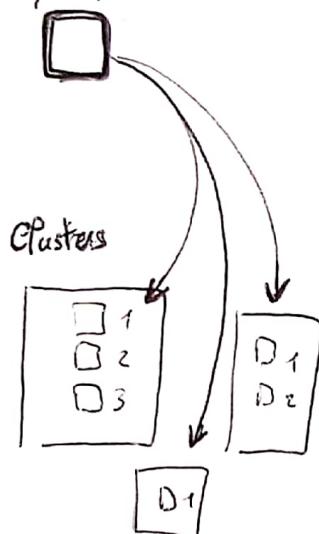
(chance)
④ less threshold
④ stochastic

Yes
No
Maybe
↓
↓
↓
↓

Cent process

on similarity (no add)
 $d < \text{threshold}$
 pic - pic

Request picture



Compare with N_1 clusters
 with N_1 best pictures -



List of N_2
 best clusters -

Compare request picture with
 all pictures of the previous
 $(N_3!)$ first N_3 cluster list

Return N_4 best
 overall pictures
 with score OR choice

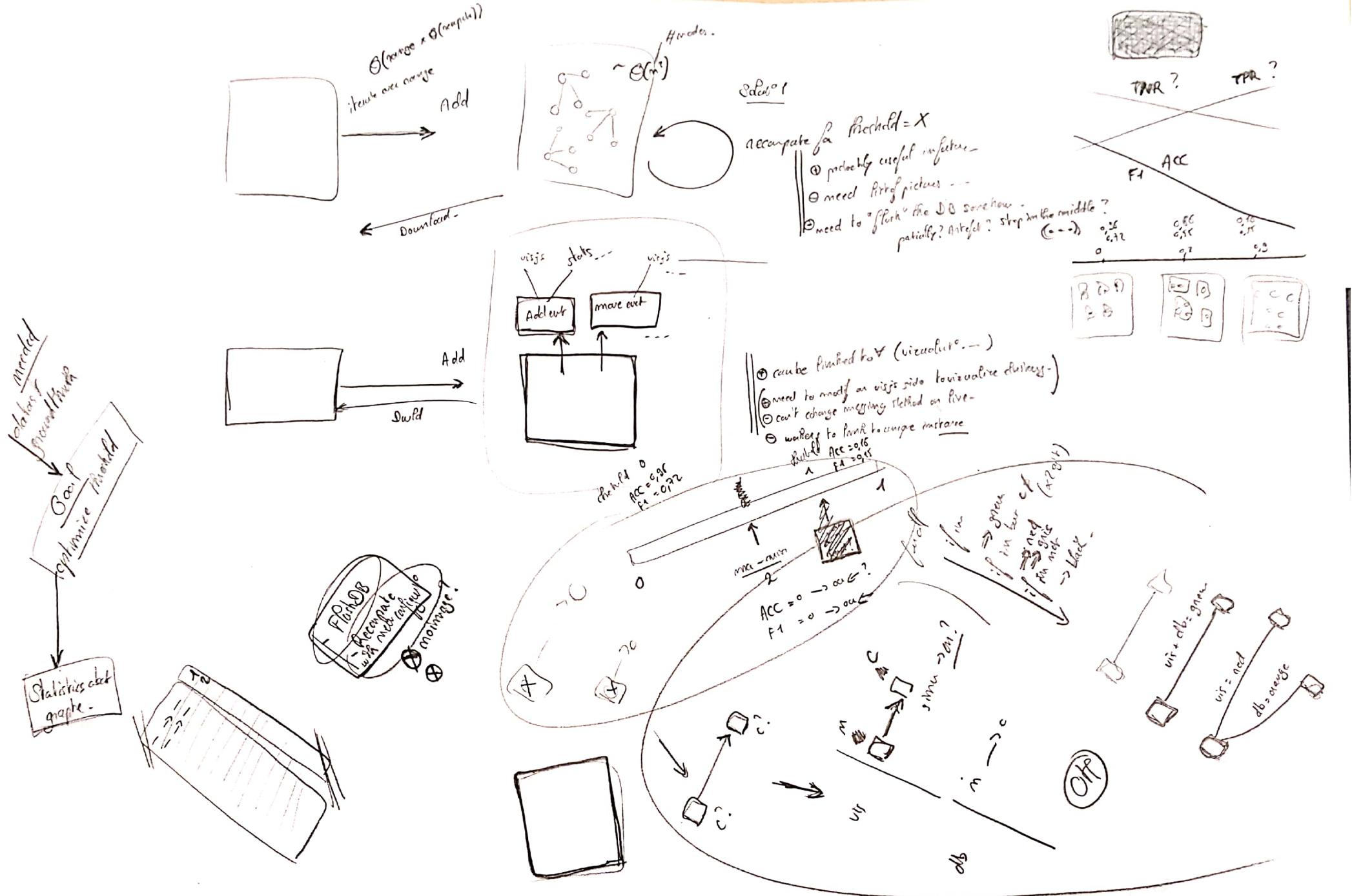
$$\Theta(m_{\text{clusters}} \times N_1)$$

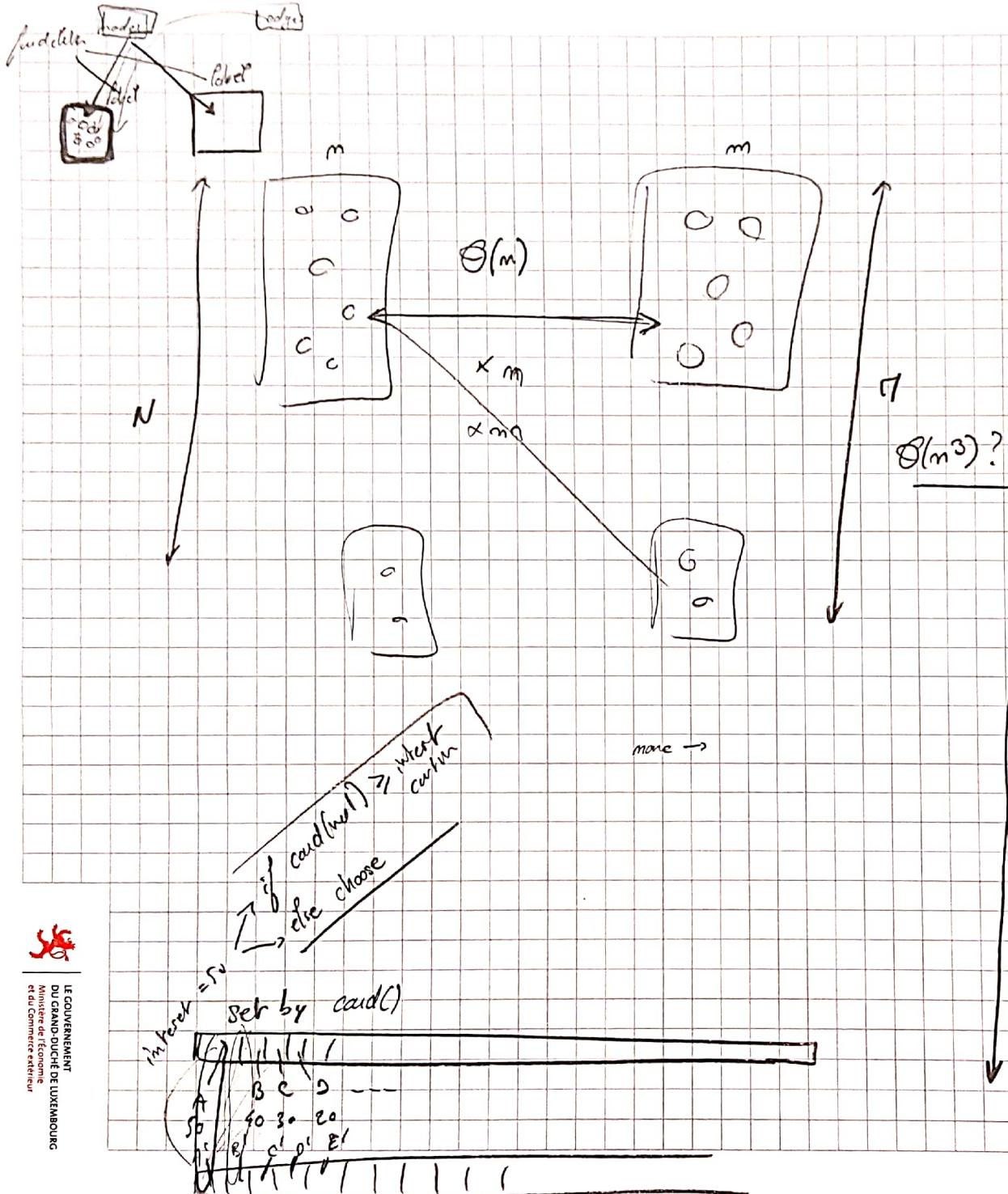
+

$$\Theta(N_2 \times \frac{\text{nb pictures per cluster}}{N_3})$$

$$= \Theta(m_{\text{clusters}} \times N_1 + N_2 \times N_3)$$

average nb of
 pictures per cluster





NOTES

~~NOT~~ NOT PASSWORDS!

ANCHOR → new group

GET APPEND QUEUE

GET - Heroku
~ Runas of service

TIAN SECURITY AS AN INFRASTRUCTURE

help@cases.lu · www.cases.lu · my.cases.lu

| 1. Set any of the sets $S(n, p, q, r)$

2. für i im sels digus. $\emptyset(\vec{w})$

3. f_n is an orthonormal $\Theta(\mathcal{H})$

$$E_{\text{max}} = \cup_{(i,j)}^{\text{Mfest}}$$

$\left(\begin{array}{l} \text{if } \text{size}(j) < \text{max} \\ \quad \downarrow \quad \text{or } \text{numar}(\text{id}, \text{set}) \end{array} \right)$

else
max
id-select

Distance algo \rightarrow cluster / image

① distance entre algo = flage?

2 questions

Distance per image / distance per cluster

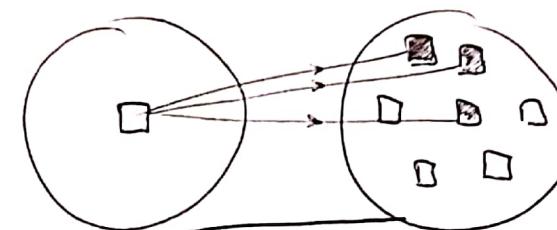


How to select?

autre de décision
TLC
fichier B machine

MAX?

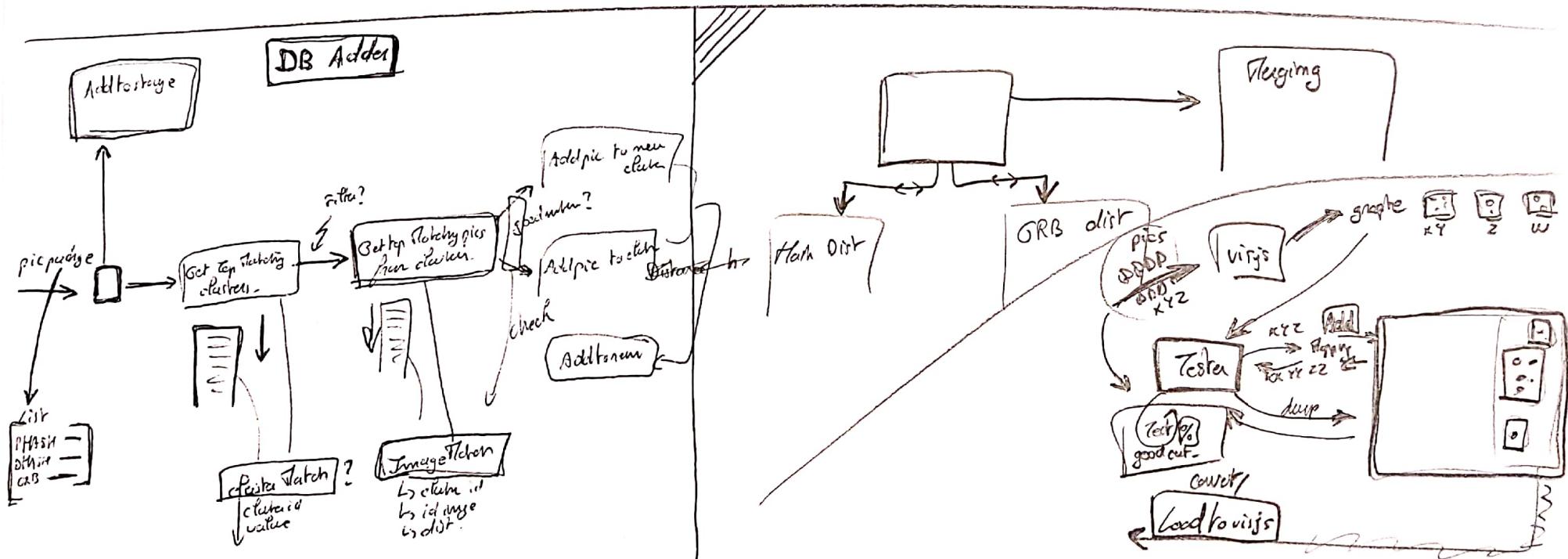
How to calculate?
2

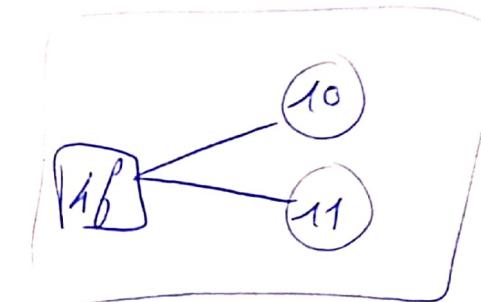
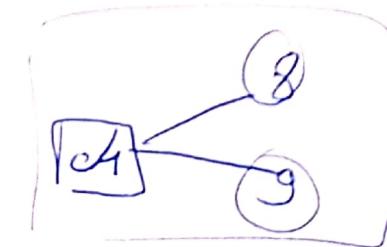
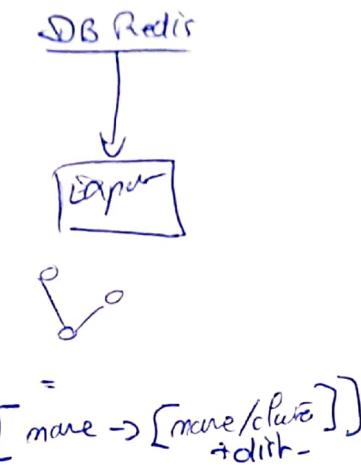
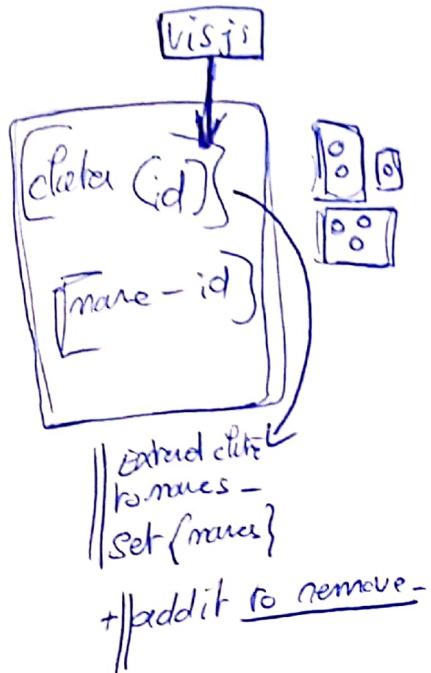


How to select?

MAX?

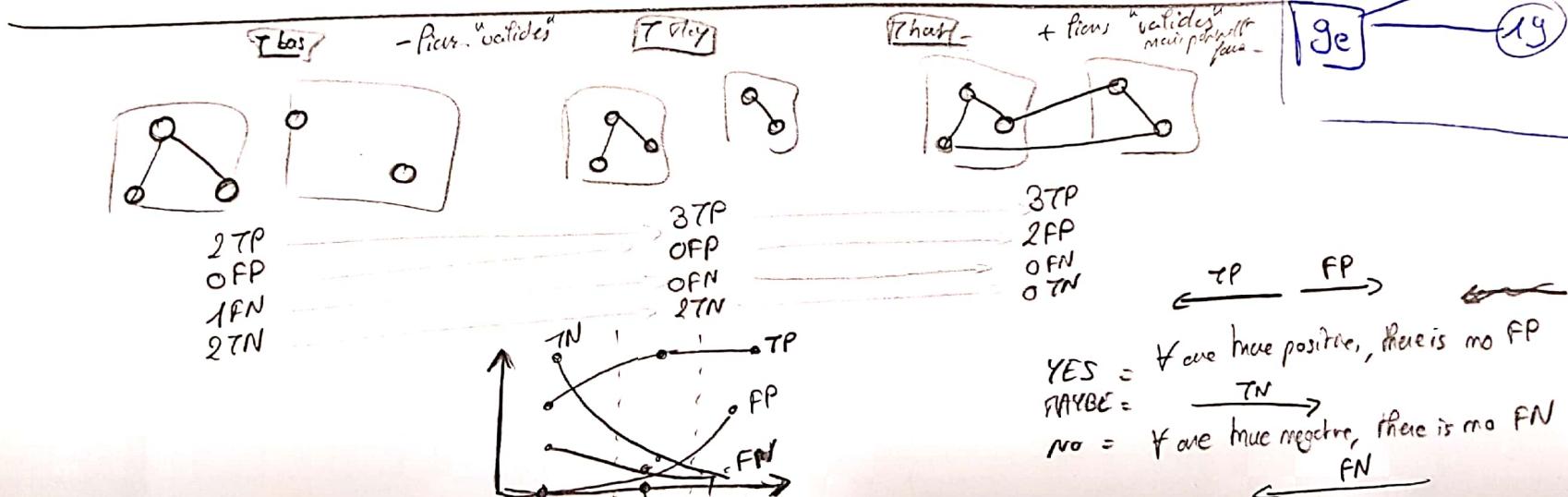
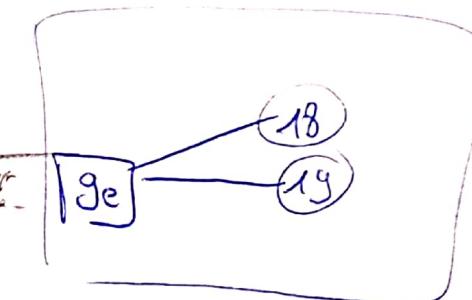
?



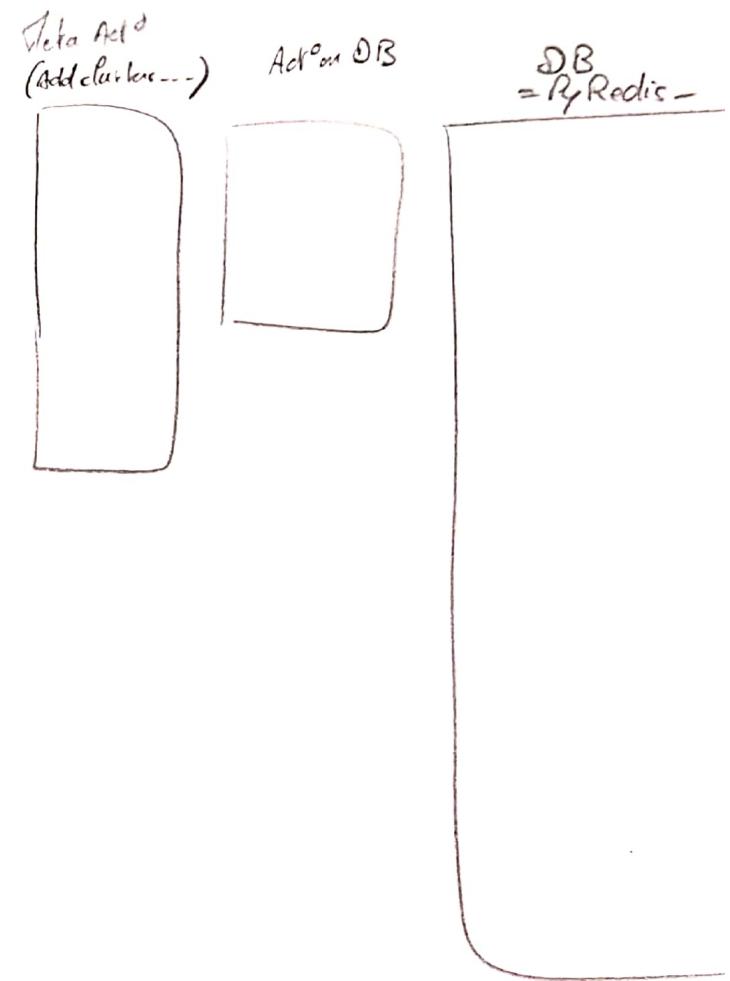
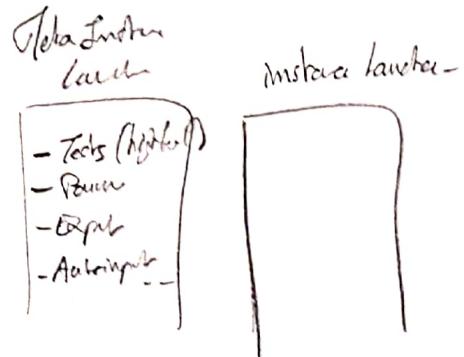


OR Get

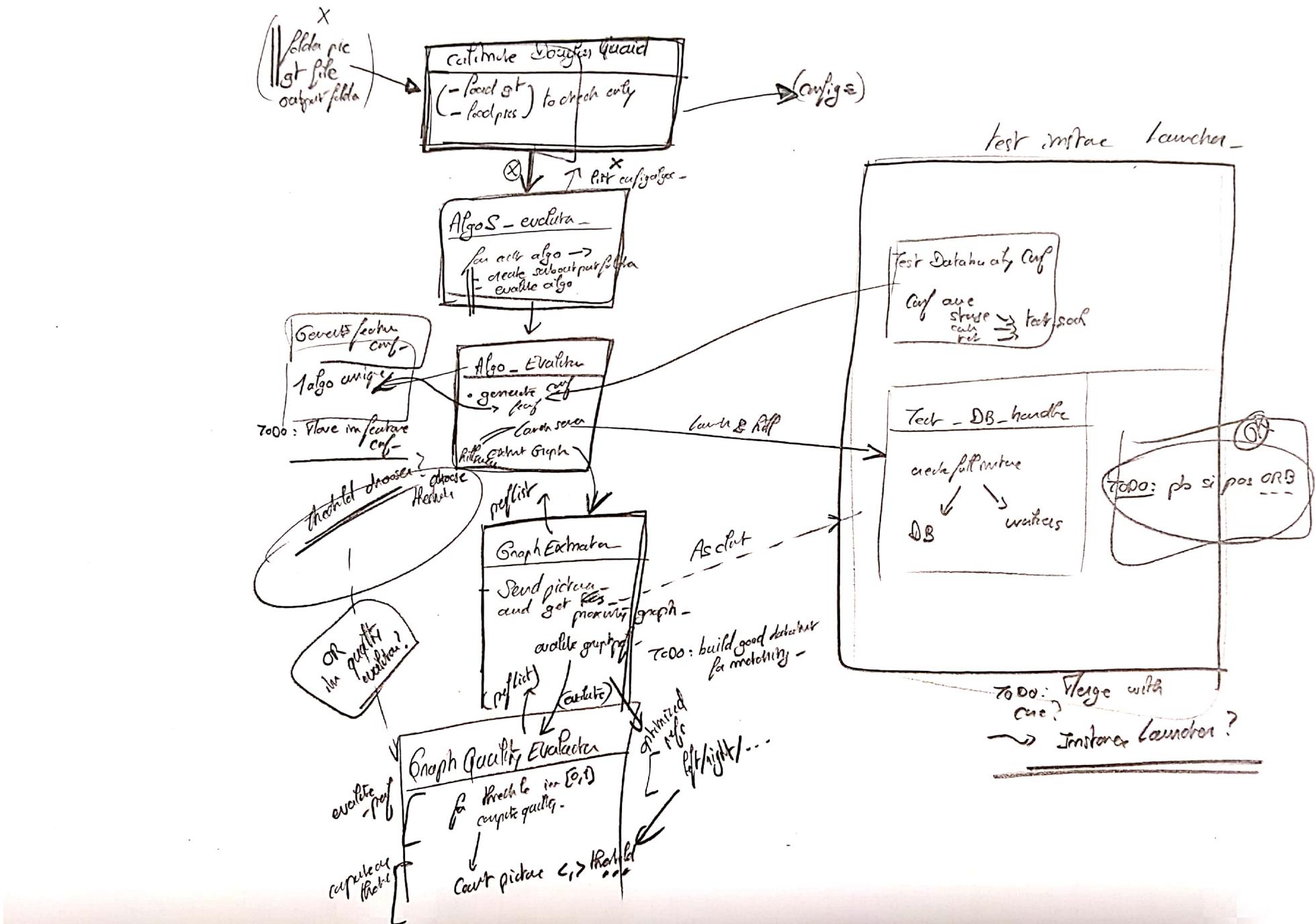
[name -> id
+ check ids]

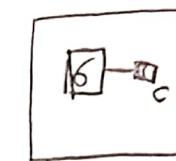
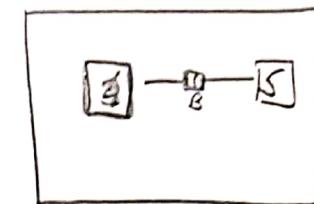
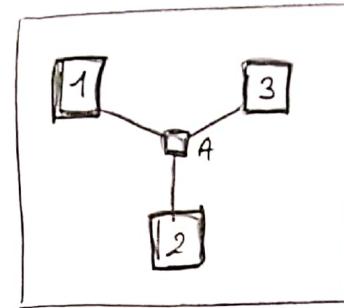
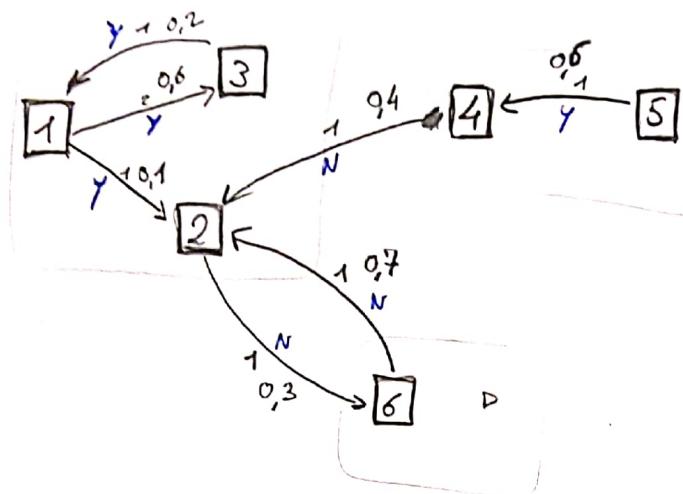


Diag Class



Threshold Calibrator





$T = 0,5$

GT

$\text{if } A < T$

$\text{if } A > T$

val dist

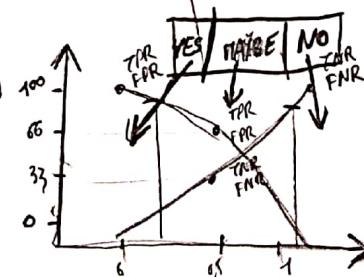
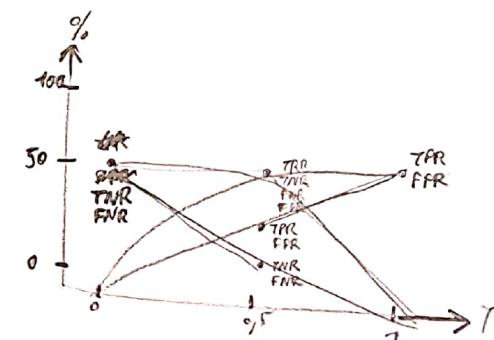
1 TP	✓ P
1 FN × P	✗ N
1 TN ✓ N	✓ P
1 FP × P	✗ N
1 TN ✓ N	✗ P
1 FN × P	✗ P
1 FN	✓ P
1 TN	✓ N

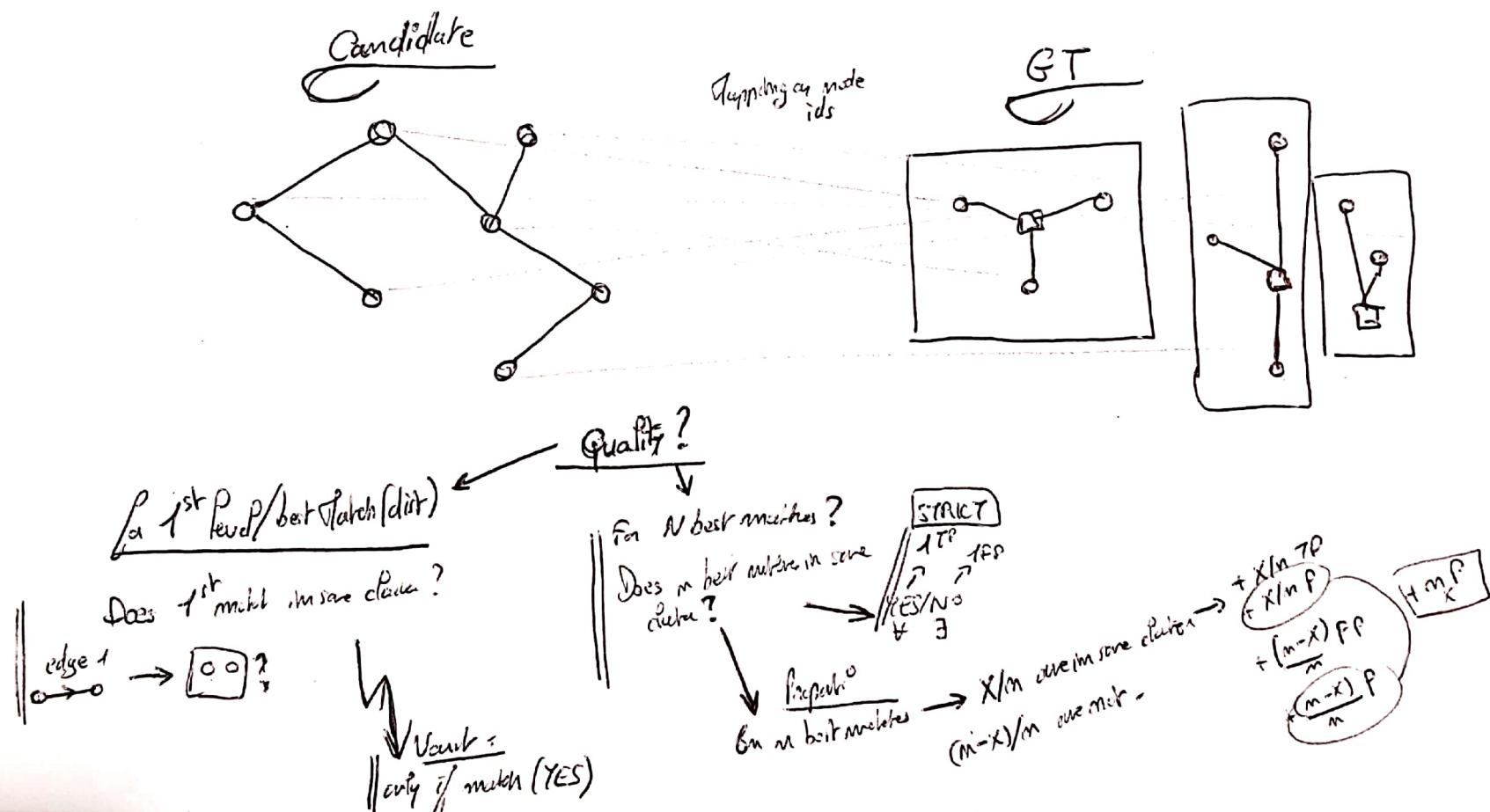
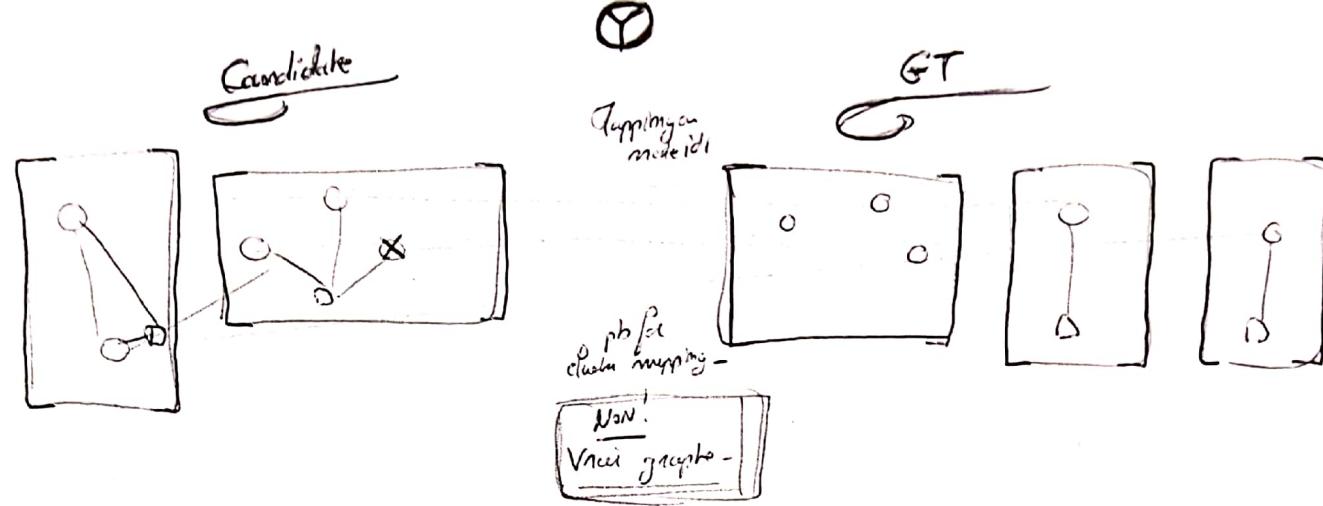
How many points do I evaluate? 1 (or N/4)

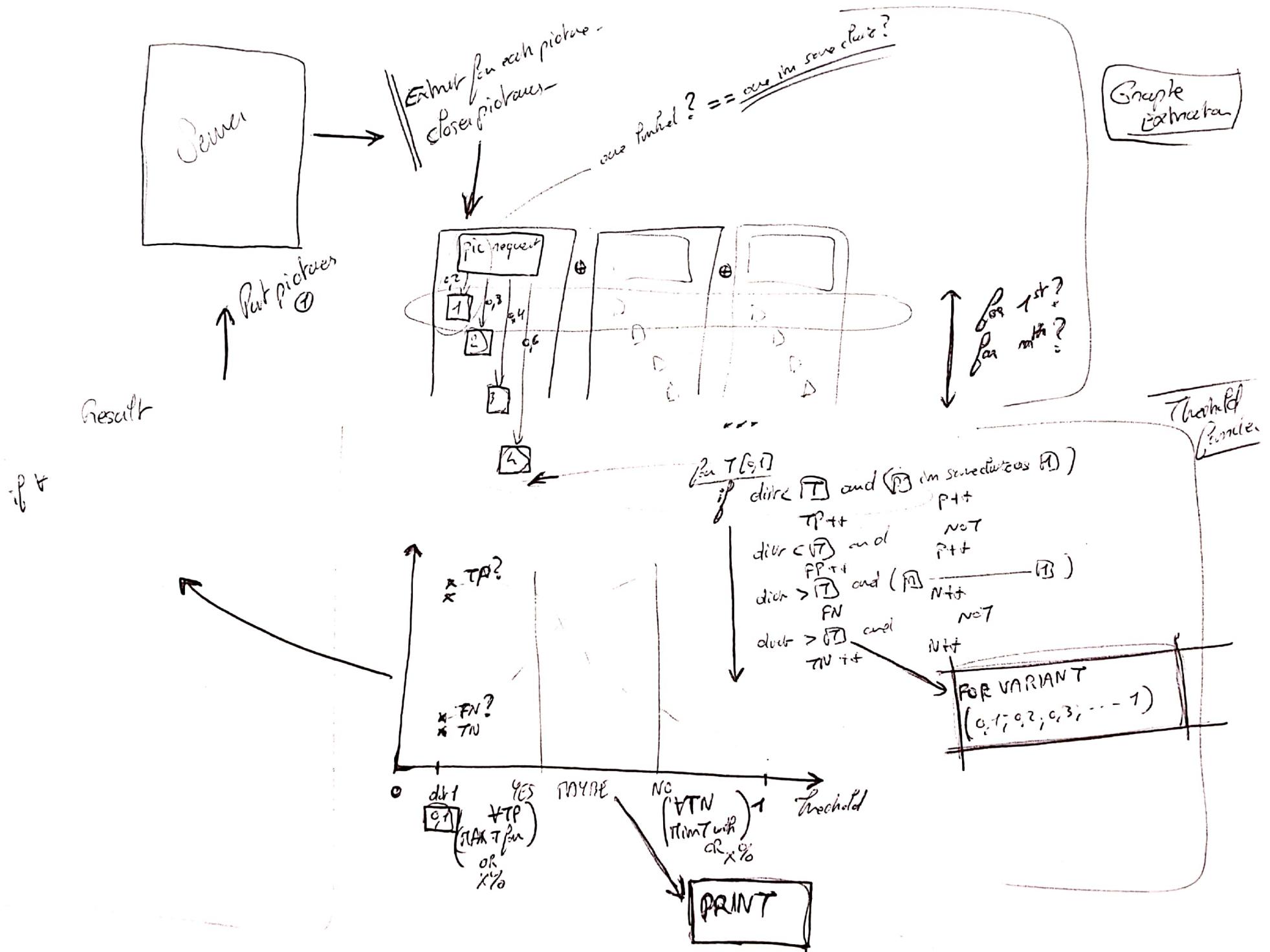
100% TP et 100% TN

- 1 dans A → 1 TP ✓ P
- 1 pas dans A → 1 FP × N
- 1 pas dans A → 1 TP ✓ P
- 1 pas dans B → 1 FP × N
- 1 dans B → 1 TP ✓ P
- 1 pas dans C → 1 FP × N

label	TPR		TN		FPR		FNR	
	P	N	P	N	P	N	P	N
Pos	50%	50%	50%	50%	50%	50%	50%	50%
Neg	0	100%	0	100%	0	100%	0	100%
TPR	50%	3/6	0	33	50%	1/4	66%	2/3
TNR	0	100%	50%	3/6	15	50%	1/2	33%
FPR	50%	1/6	50%	0	33	50%	2/4	66%
PNR	0	100%	50%	3/6	15	50%	1/2	33%

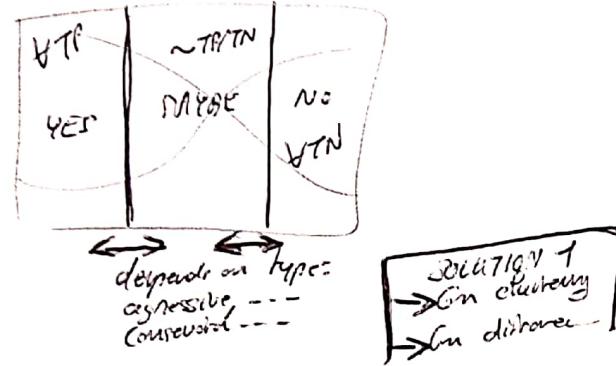




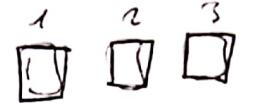


Goal

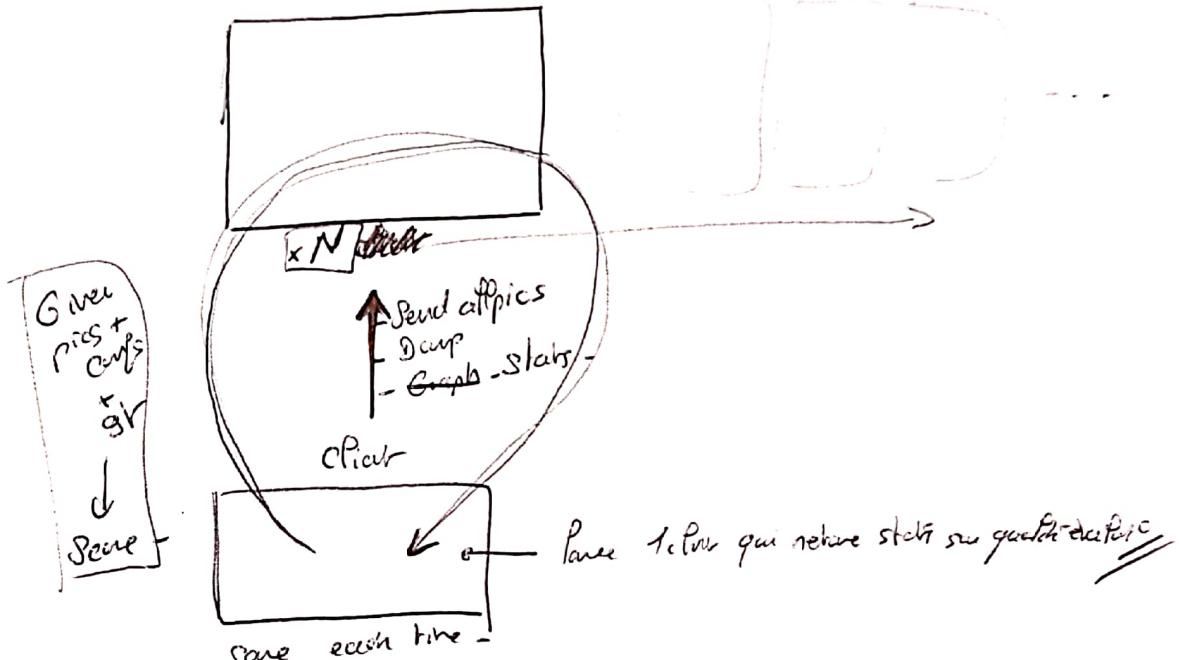
for each algo know



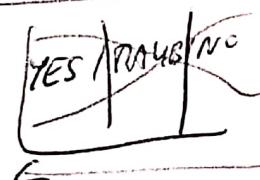
Confs



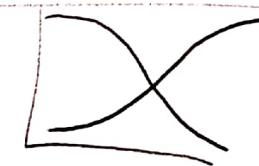
Score

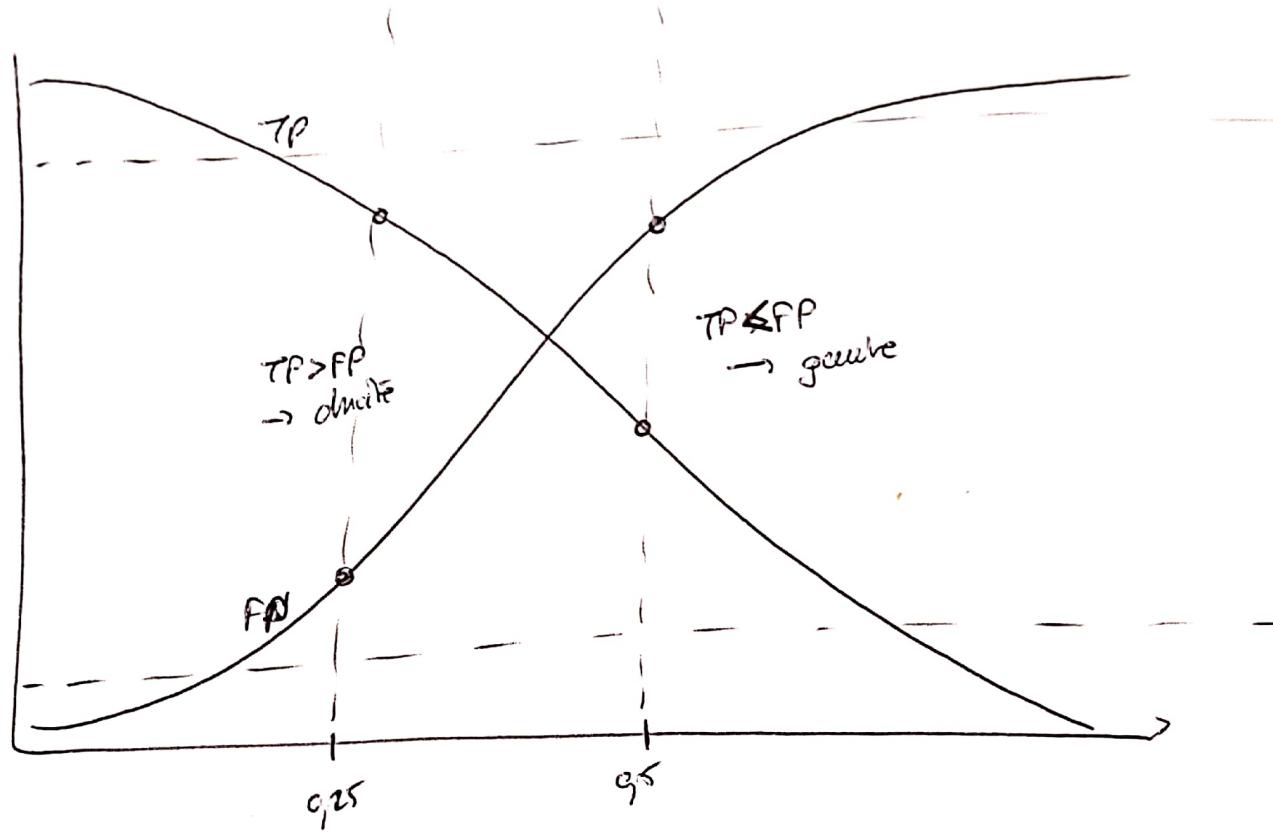


for each algo



Parcours ---
Choix next conf





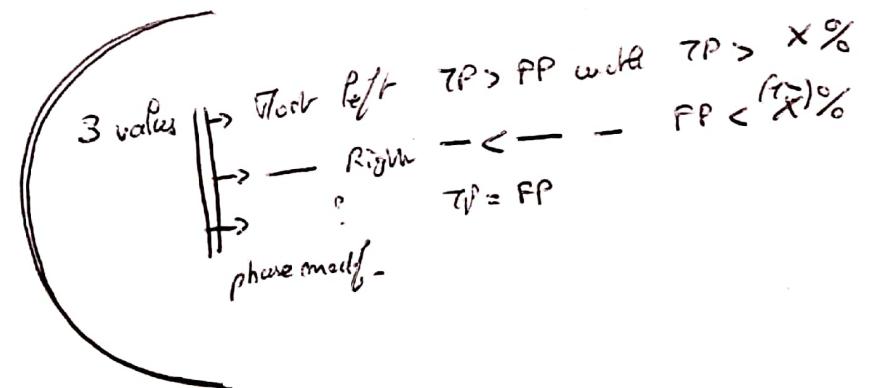
Dichotomie?

CACHE before eval!

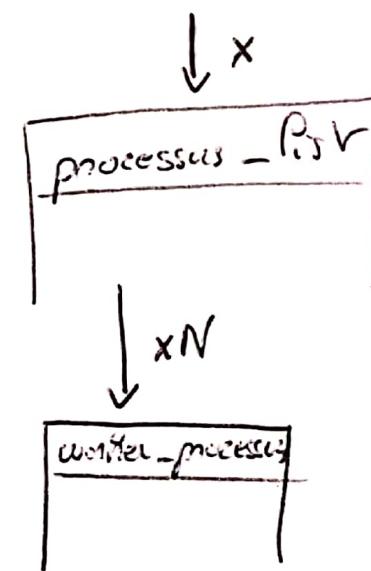
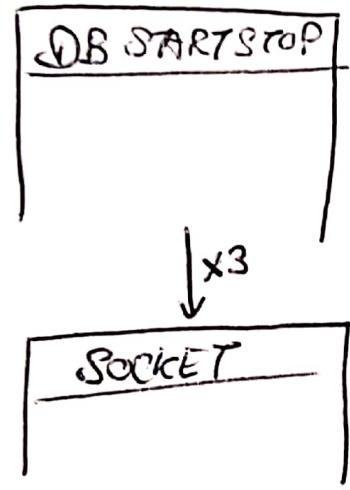
* delta?

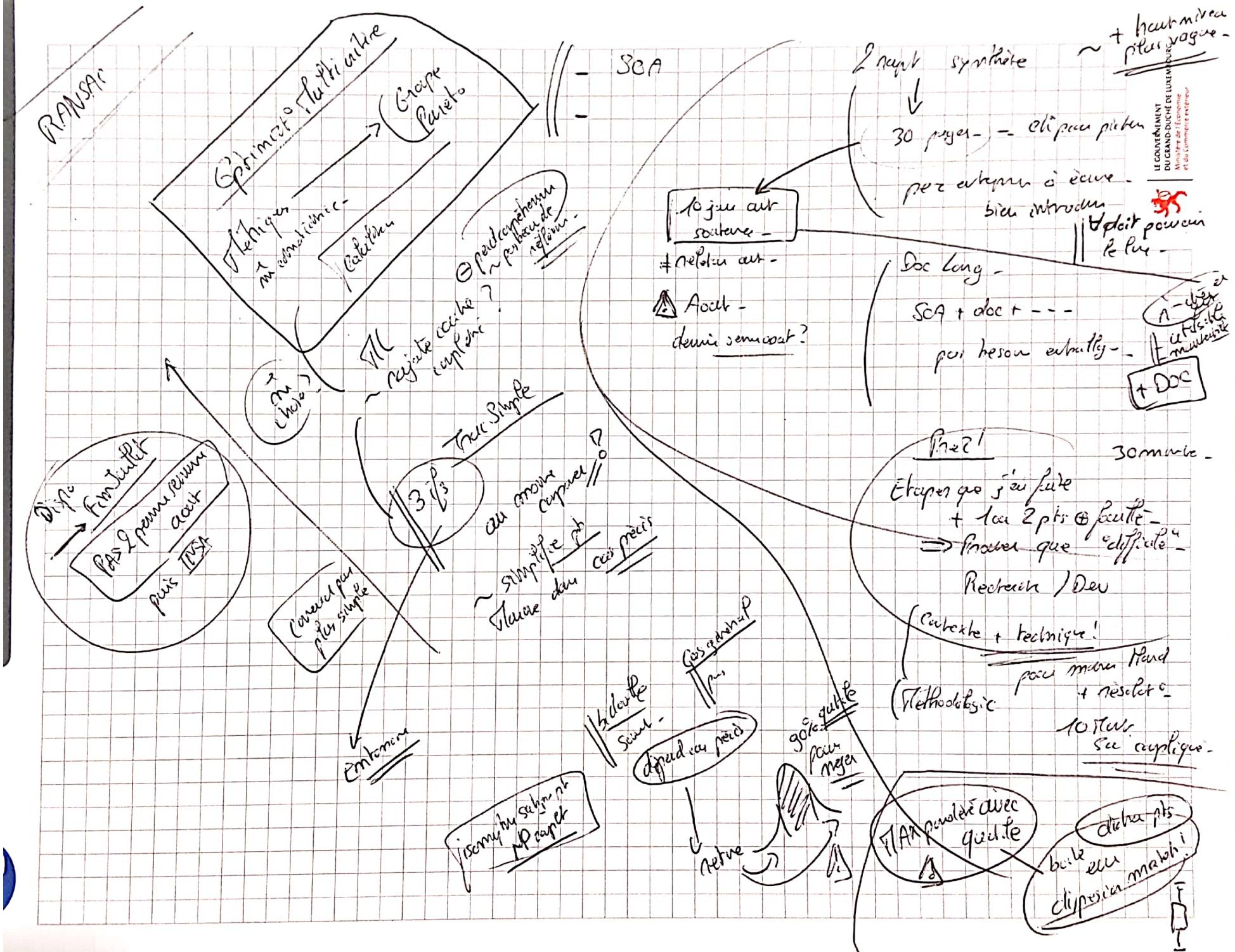
or nocard?

Precision?

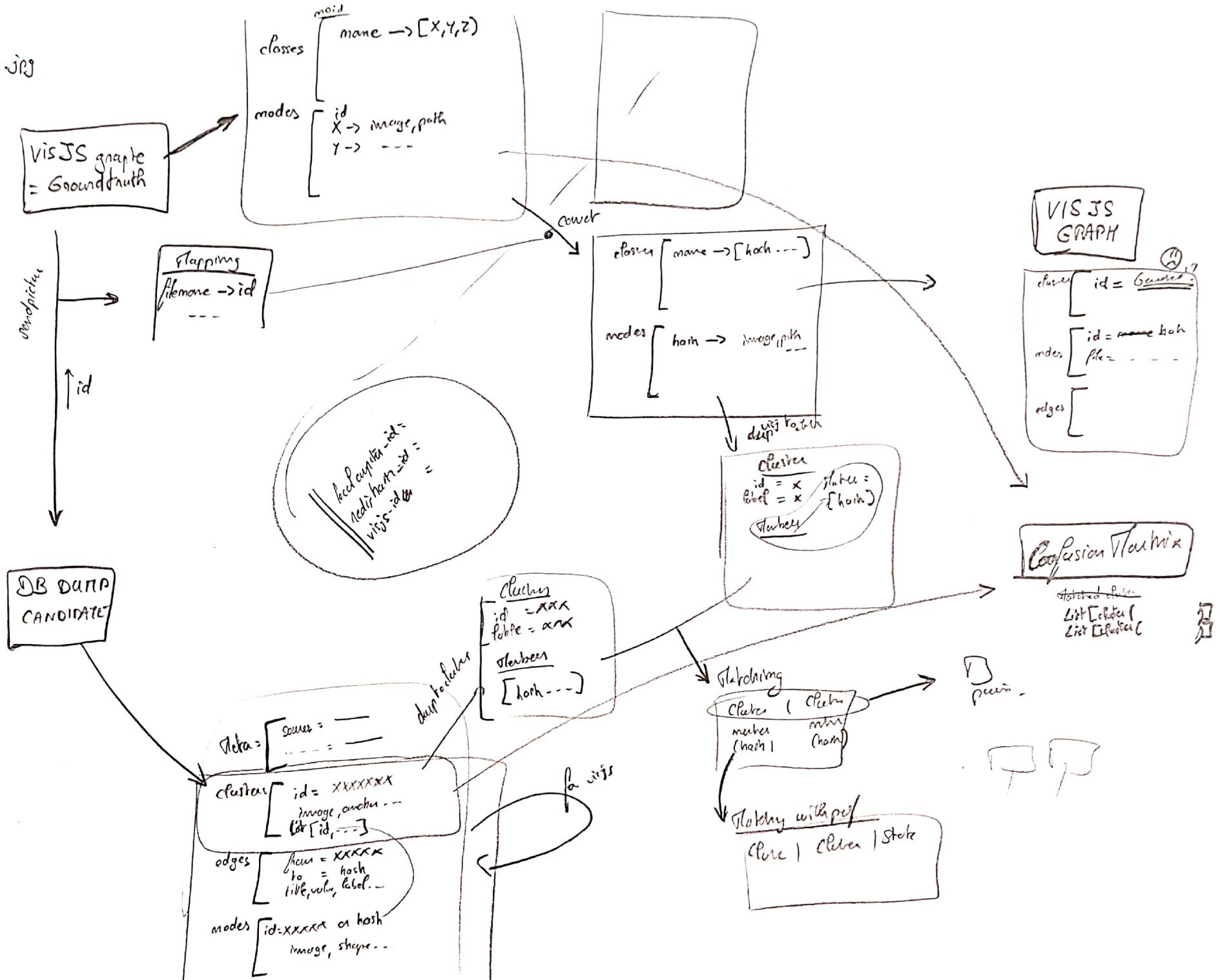


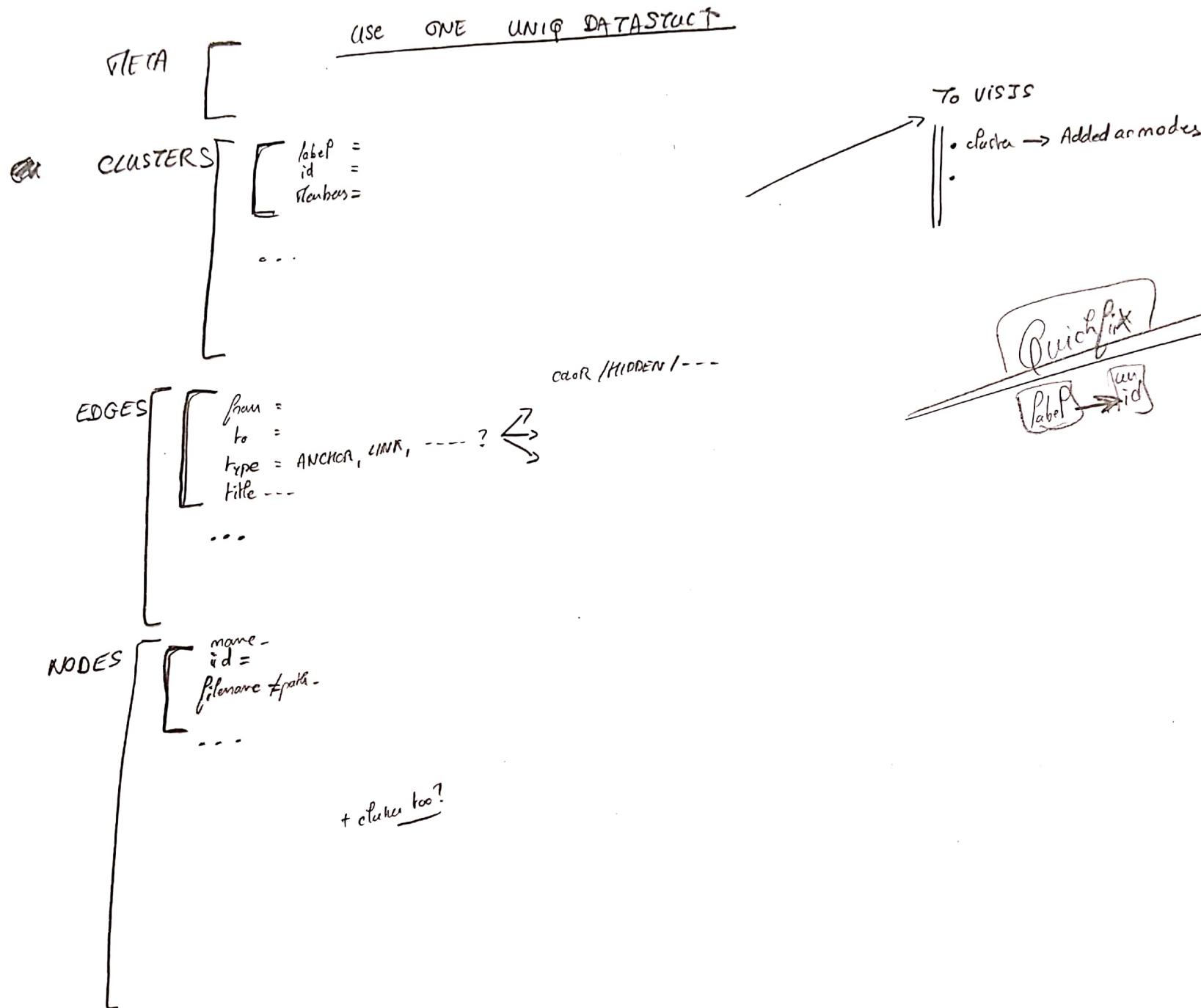
Modèle Domaine

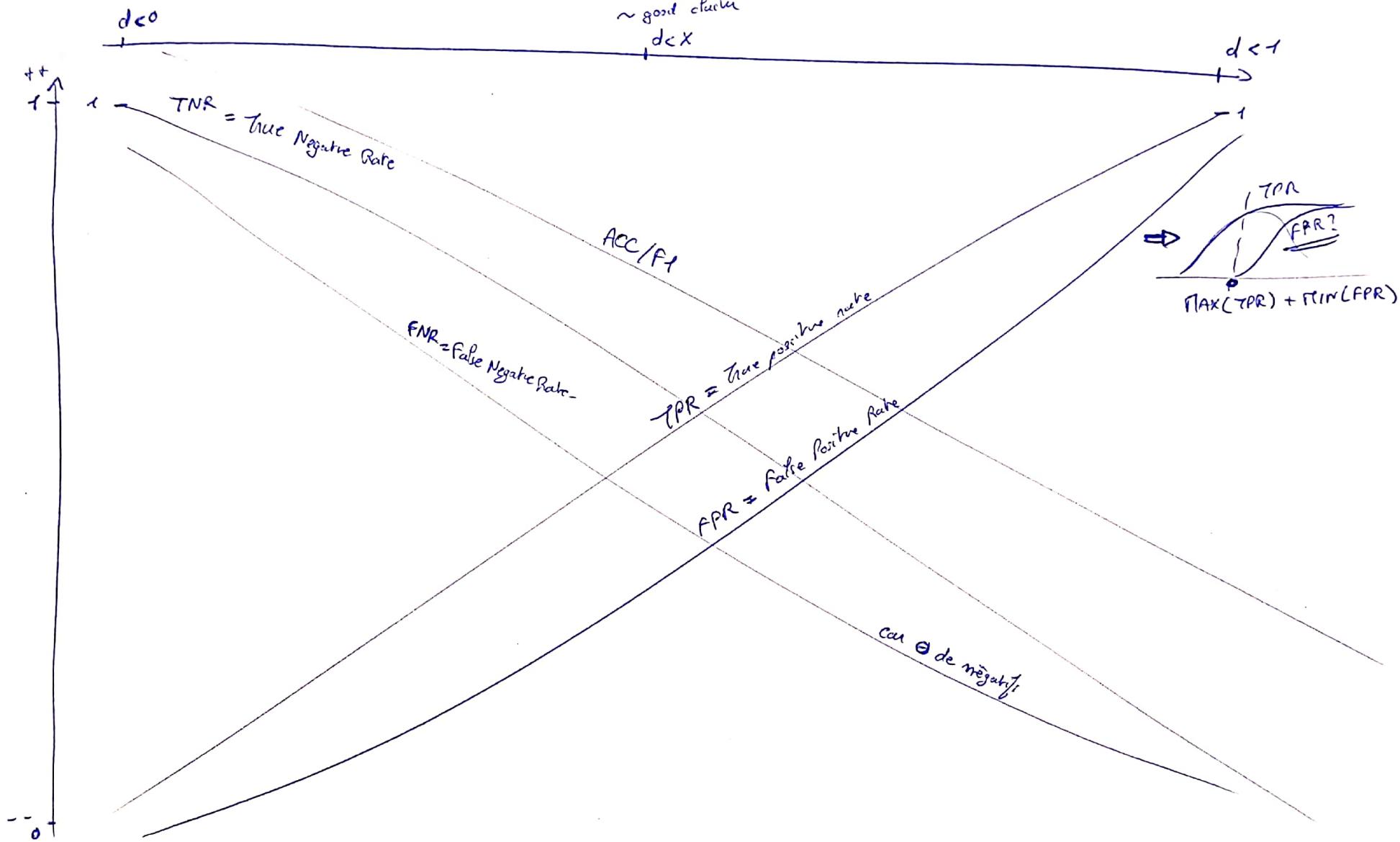
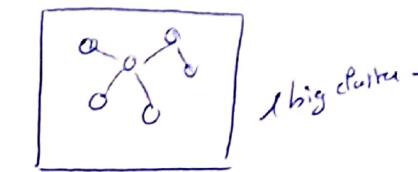
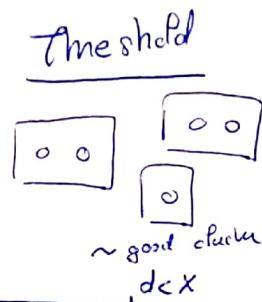
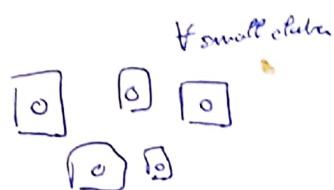


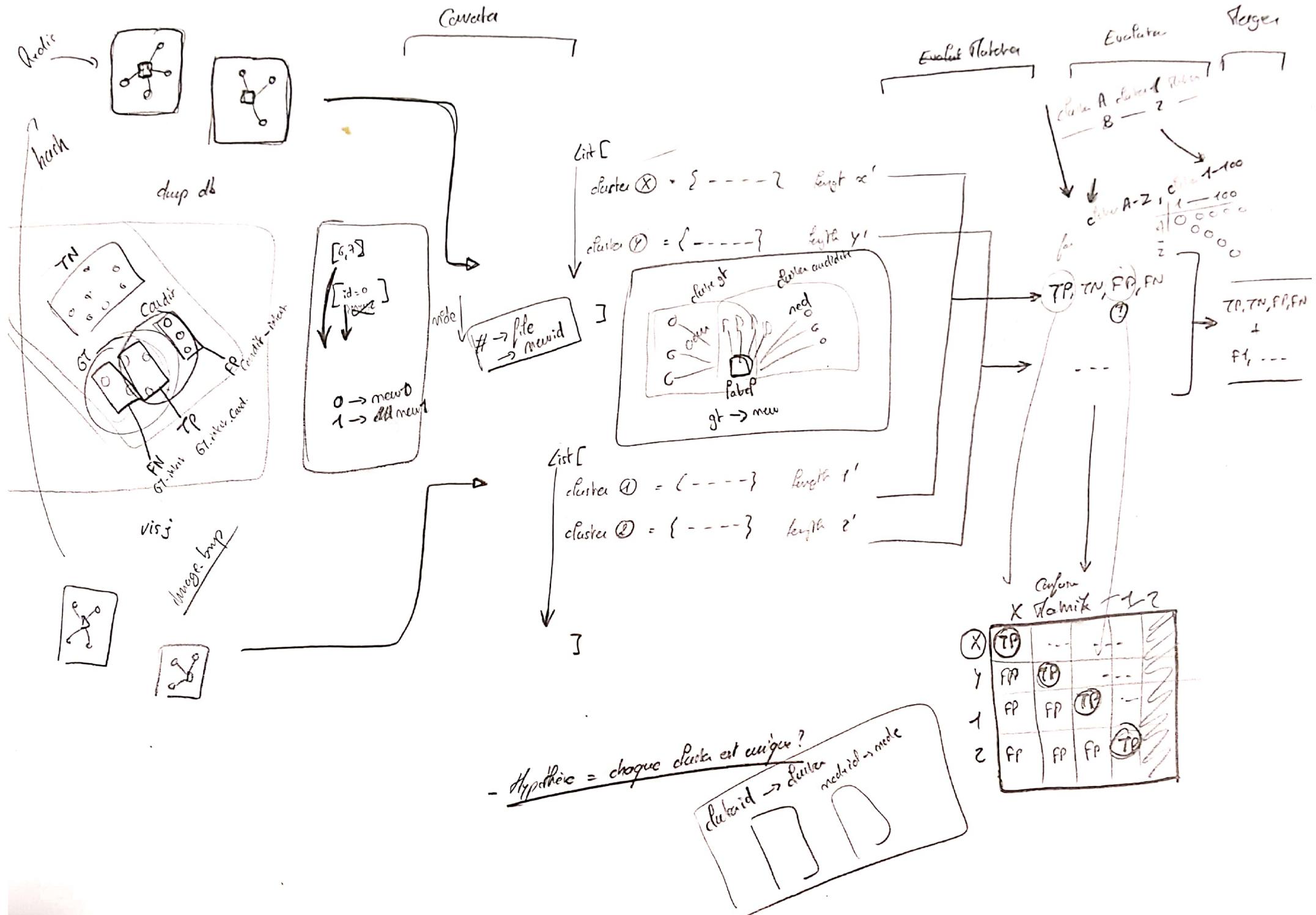


name.jpg

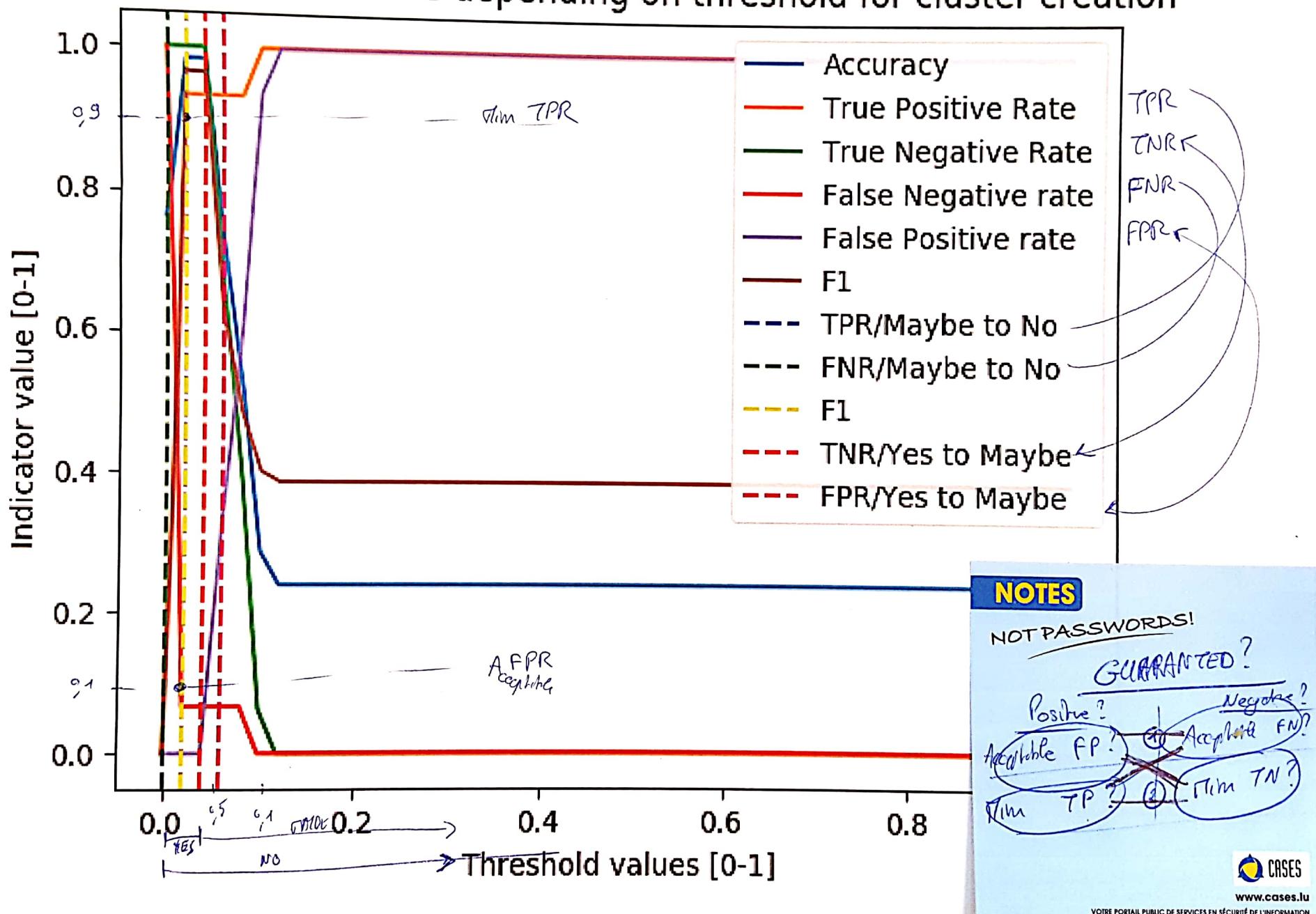








Performance measure depending on threshold for cluster creation



bitte

Jahre

neuen Personen.

Paez' Stage /

30 m. exposé
15 m. quart.
(15 m. delib.)

exercice PPE → Jour
rapport
tableau IF
Stolen auerif

Etapes + overview générale +

10 min - [1/2 plp/panelle] → côte rech
côte Dev

Contexte

Entomie → sujet po → besoin des

objet

Planning
~ plan
GANTT

Hoch

fairy tail

Feature

perceptio
partceptio

RANSTC

cultures

Dogtail Guide

Technique
résultat

implante
Distanz flight

hongkong algorithm

VISIS

1^{er} Jeardedata

Nb papier

Graph pdf

perso
pdf

Design DB
infra/Software
Design

papier → machine

2nd Dataset

Final results

avancé mit
calme
VISIS
Timeline -
Réalisation -
Réalisation -
visio
exp

