

14 mai 2025

1-) Sres et Données .

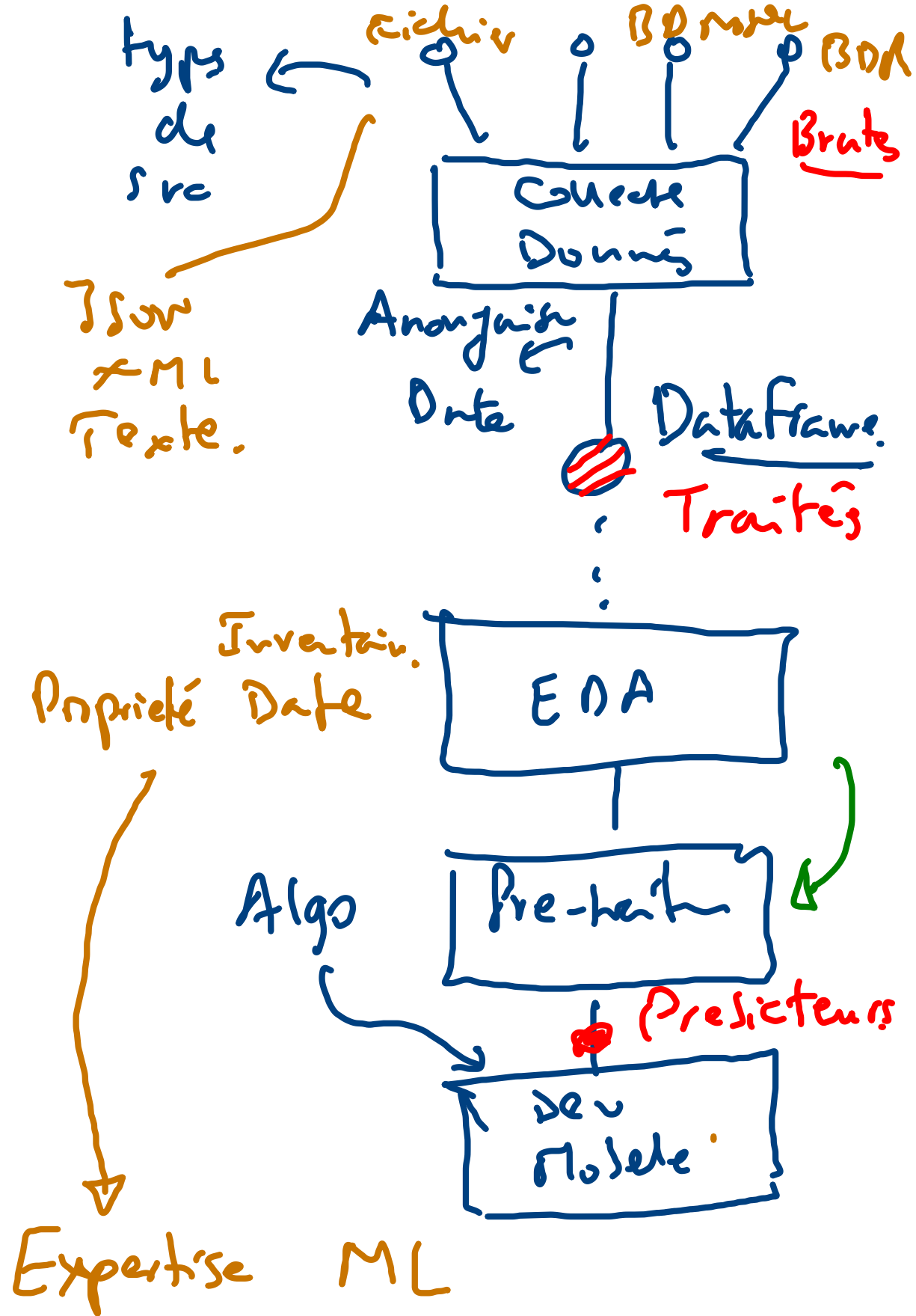
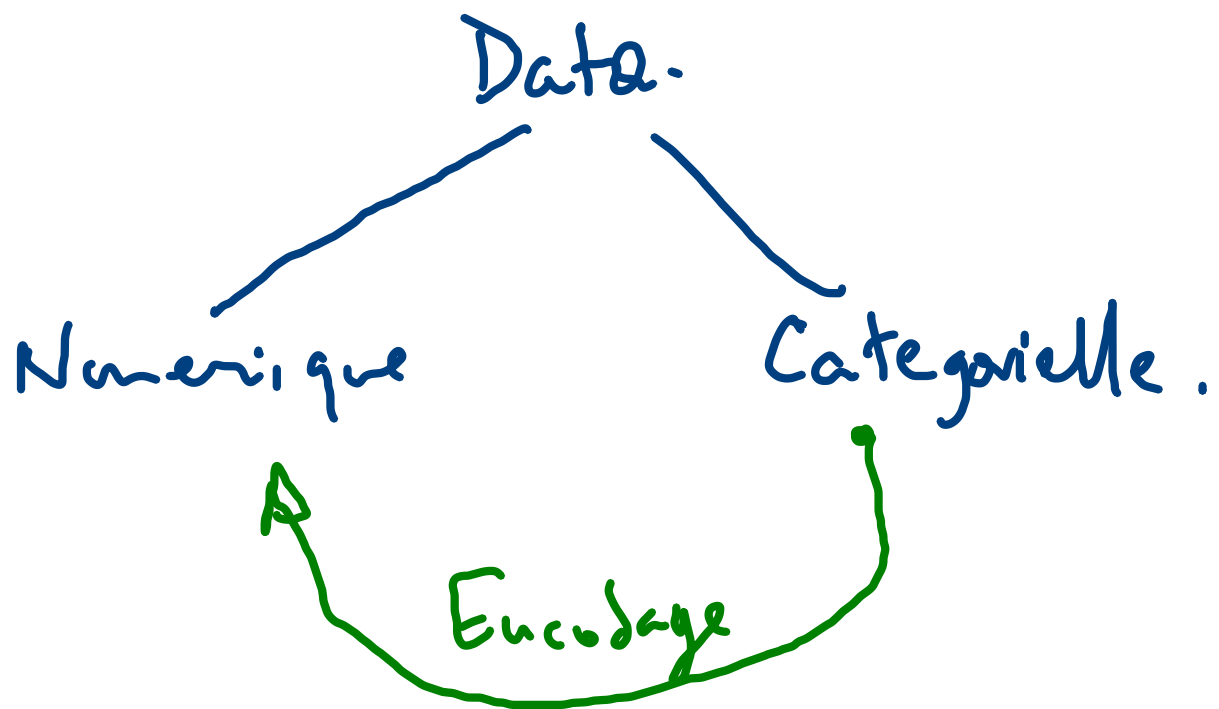
2-) Utilisation de fichiers

3-) Realisation d'un systeme ETL avec pytho.

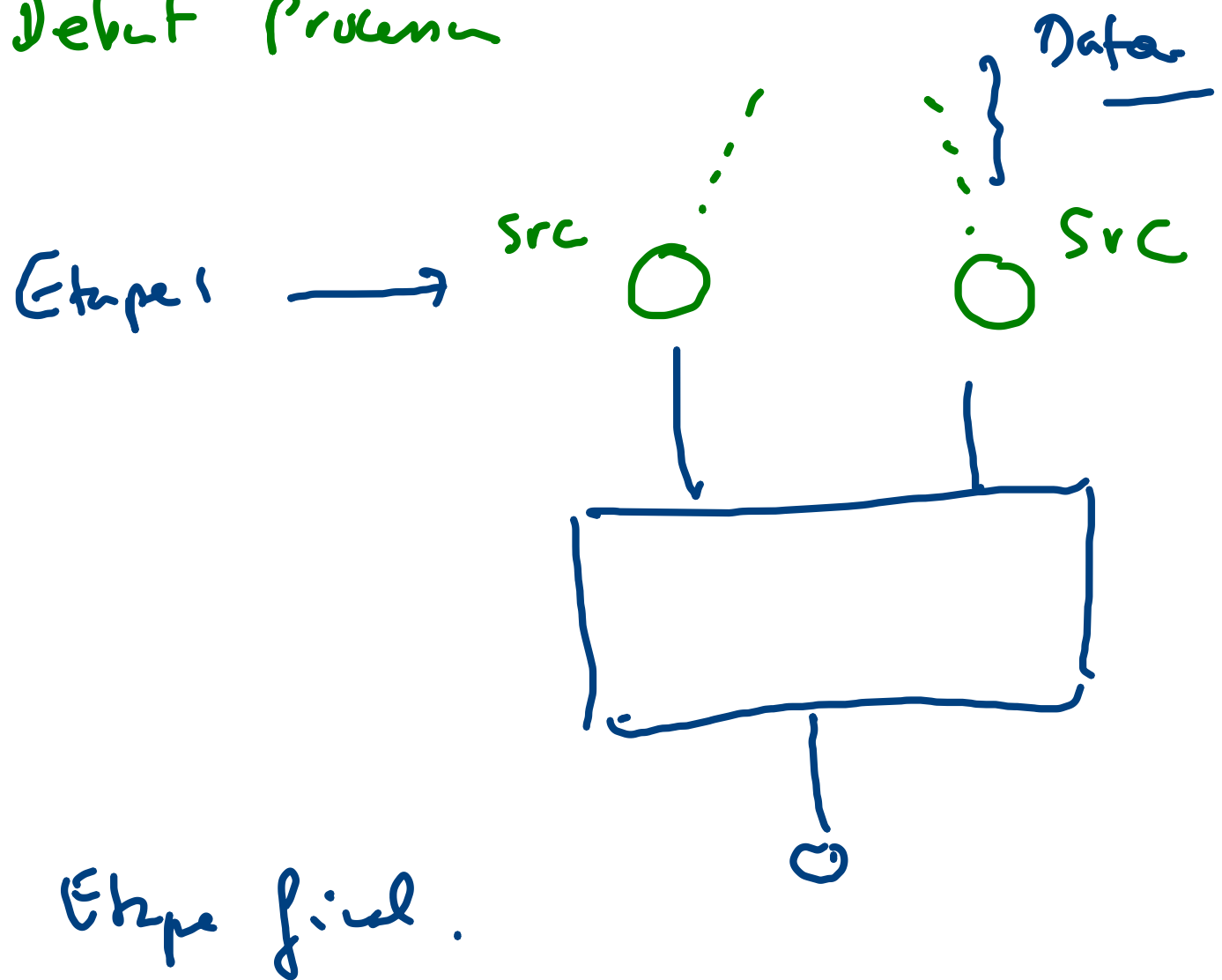
Workflow der Neu Modelle

1-) Caracteriser les types
de sources.

2-) Caractériser le données



Debut Processus



Collecte Data : Manuel / Automatisé \Rightarrow Categorielle.

{ Sondage.
Capteurs

Manuel
[Icon: Manual data entry]

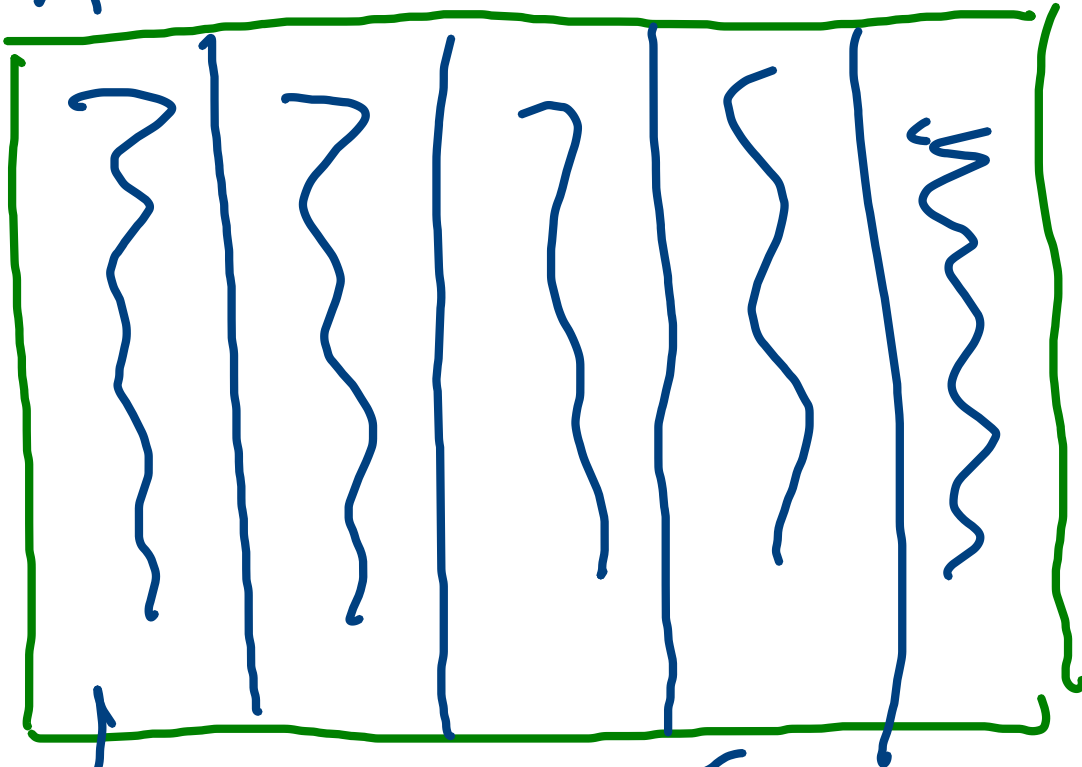
Automatisé
[Icon: Automated data entry]

Satisfaction :
 Très Bon | 10
 Bonne | 9
 Moy. | 7
 Médiocre | 0

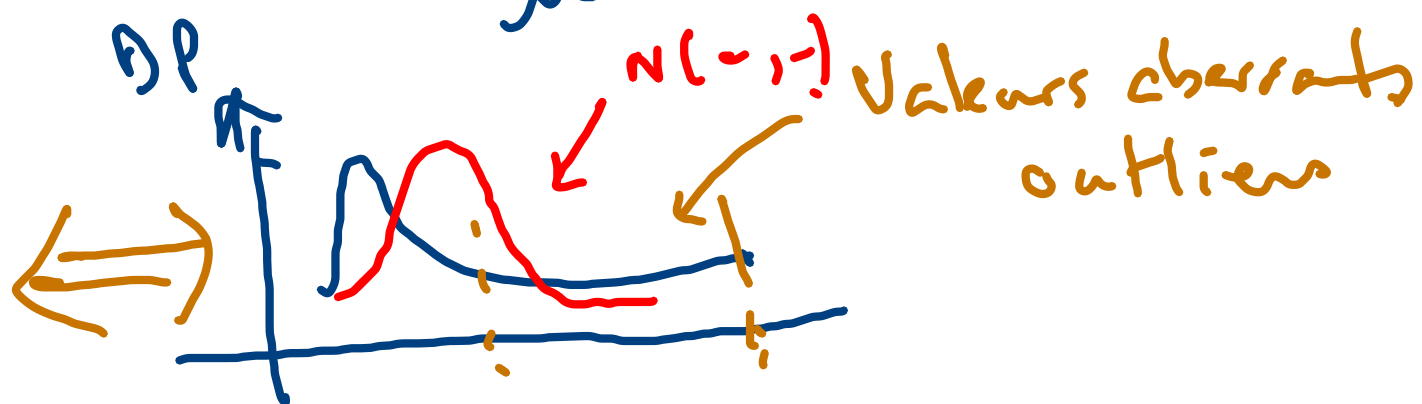
BIAIS

Pandas.
Dask.
Spark.
⋮

push x_1 Target x_2 Motion x_n (wt) Health (NLP) x_{n+1}



Dist Prob



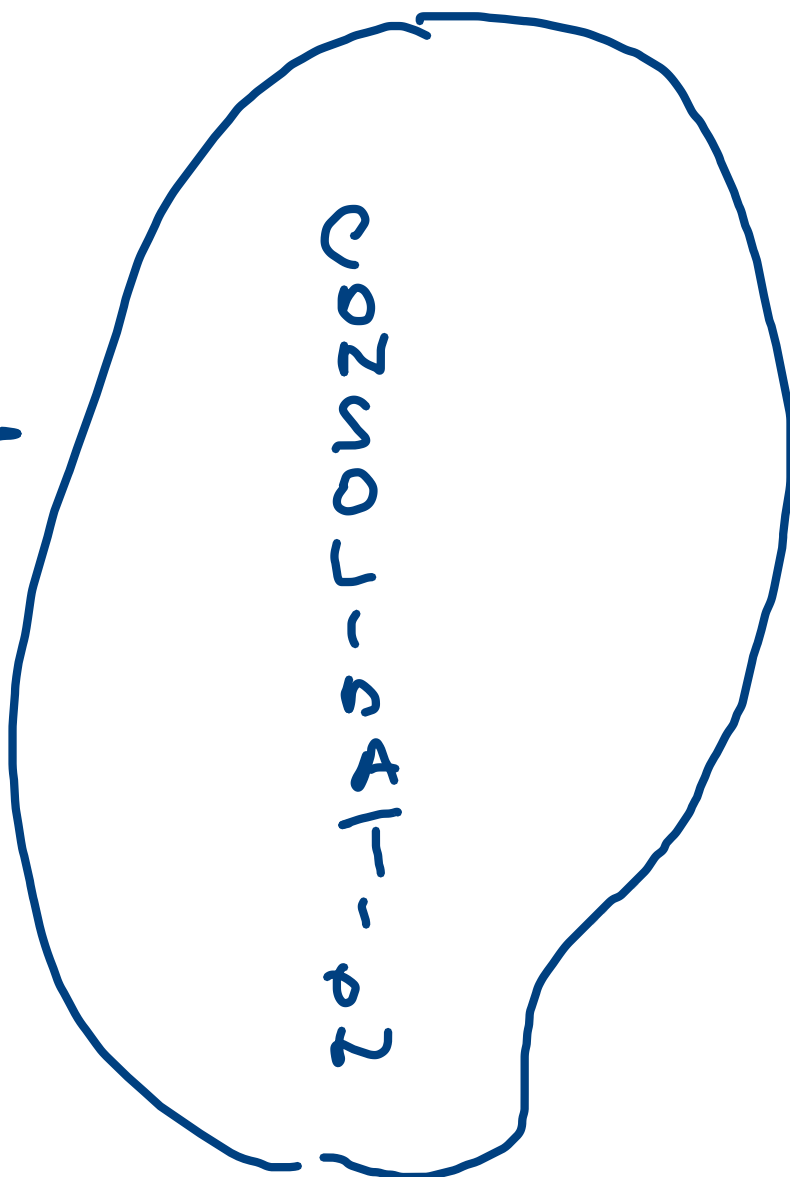
Data Broken

Index

B.T. 2

BD NoSQL

API

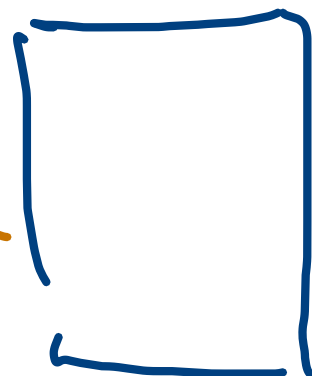


⋈ ⋈ ⋈

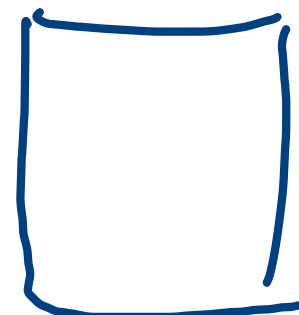
NoSQL



Trunk



⋮



Data
Brut

Fichier
ID, nom, salaire
10, FLMPL, 1200.

↓
flouflou

Table (BD)

ID	nom	Sal.	Age
50	CLi	700	

↳ CLAIR CLAIR

Collect

Data -
Traitée

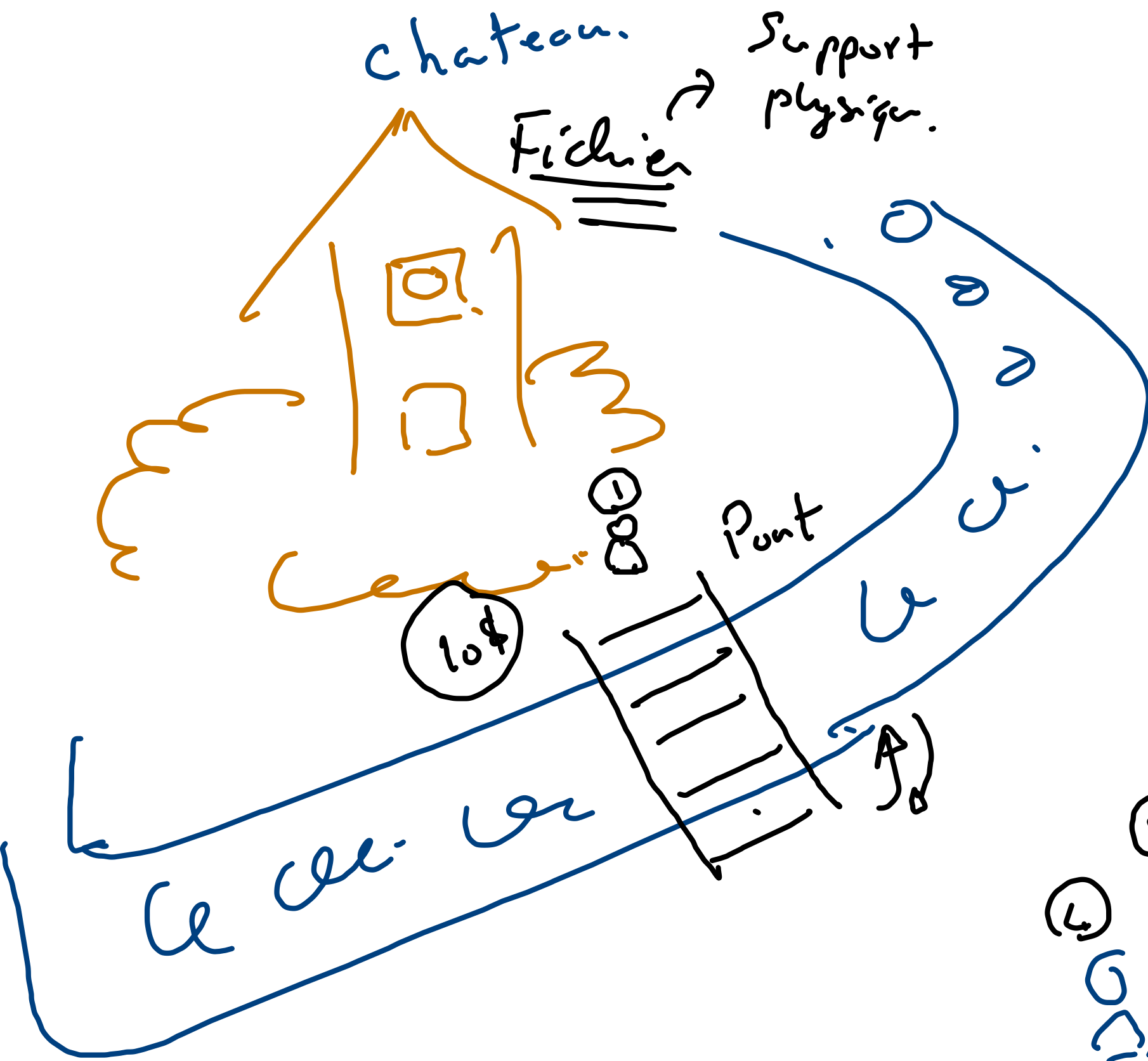
ID	nom	salaire
10	FLMPL	1200
50	CLAIR	700

Tchouine,

↑
EDA
↓
Prer.

↑
upper()
sur nom

Fichien.

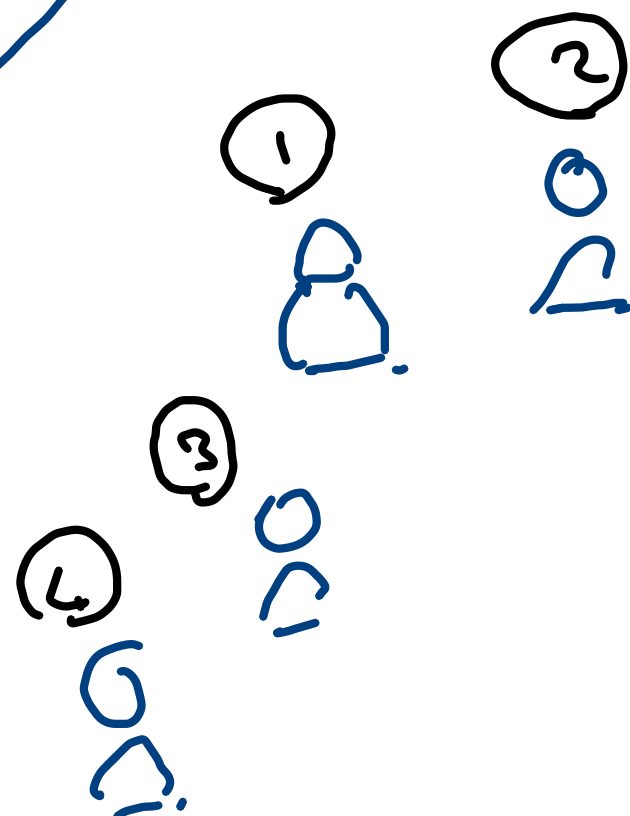


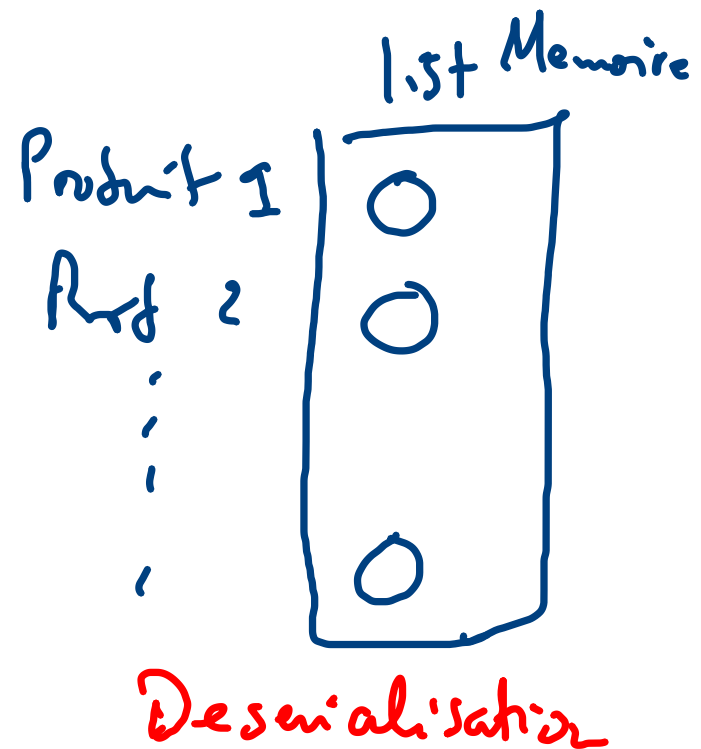
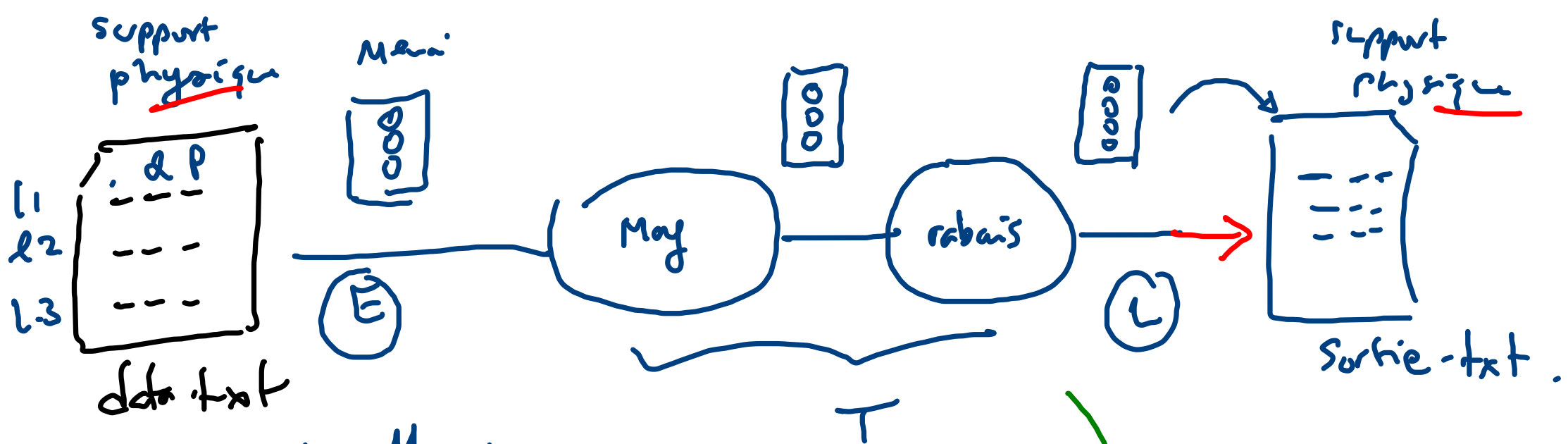
① Ouvrir le pont

}

② Fermer le pont

—





Serialisation.