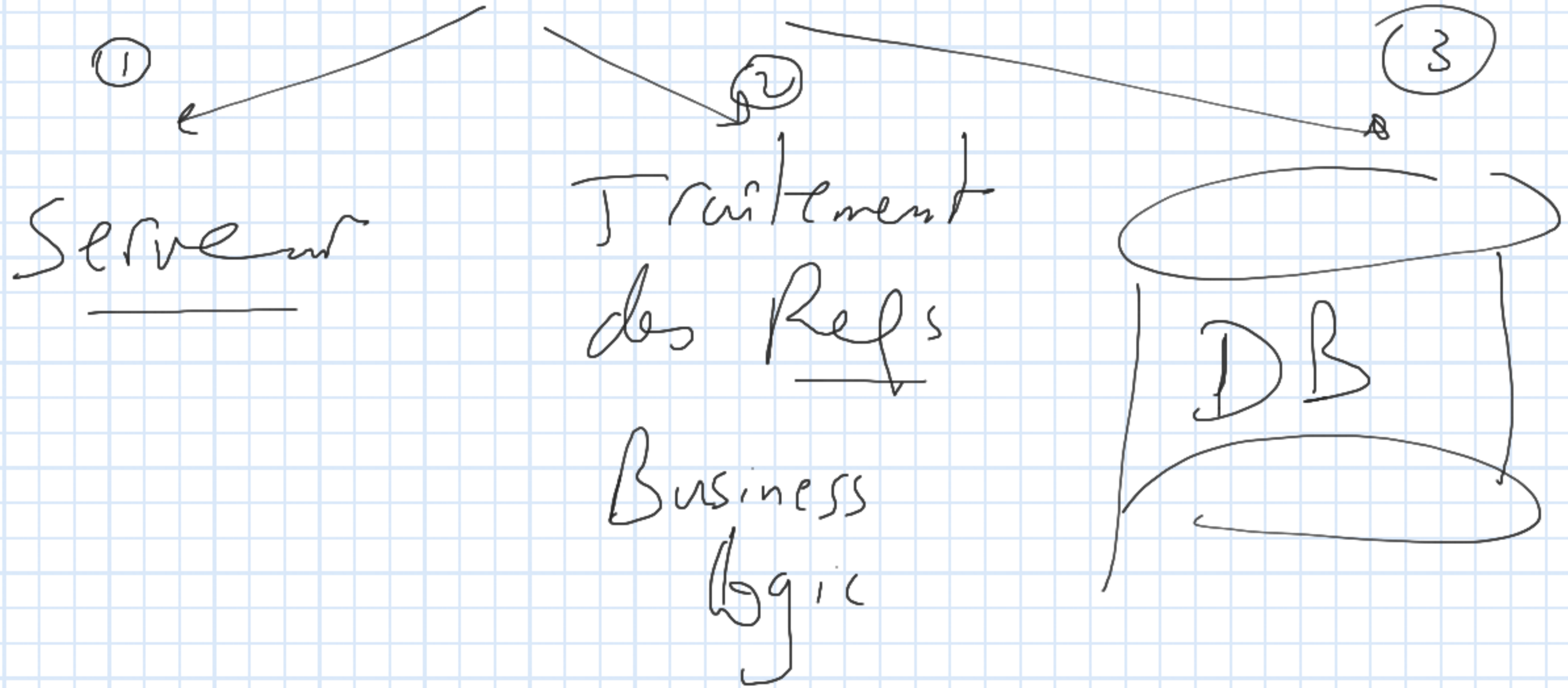
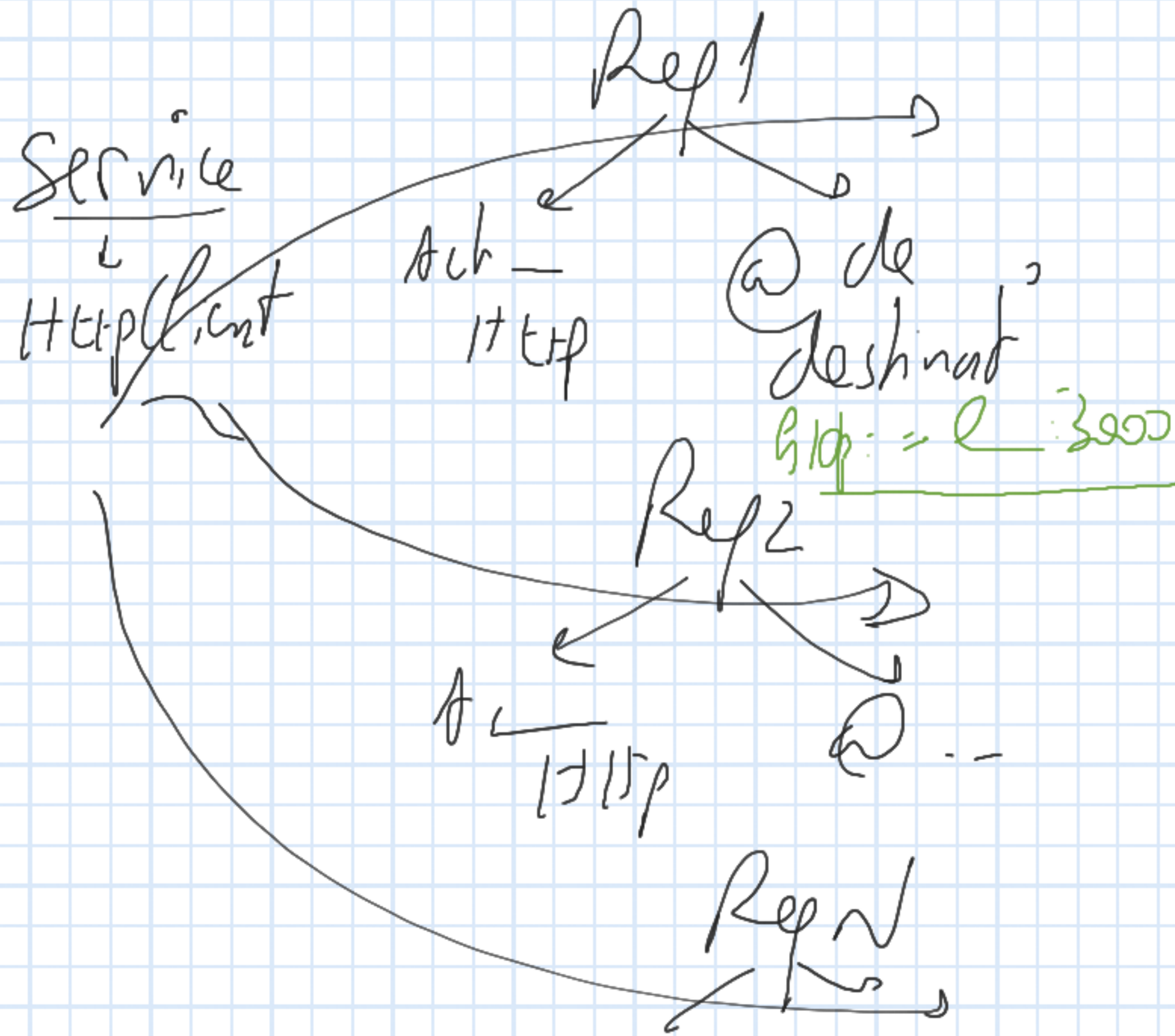


FrontEnd : c'est la partie visible
du Client
(client side)

BackEnd : c'est la partie invisible
au Client
(server side)

Backends





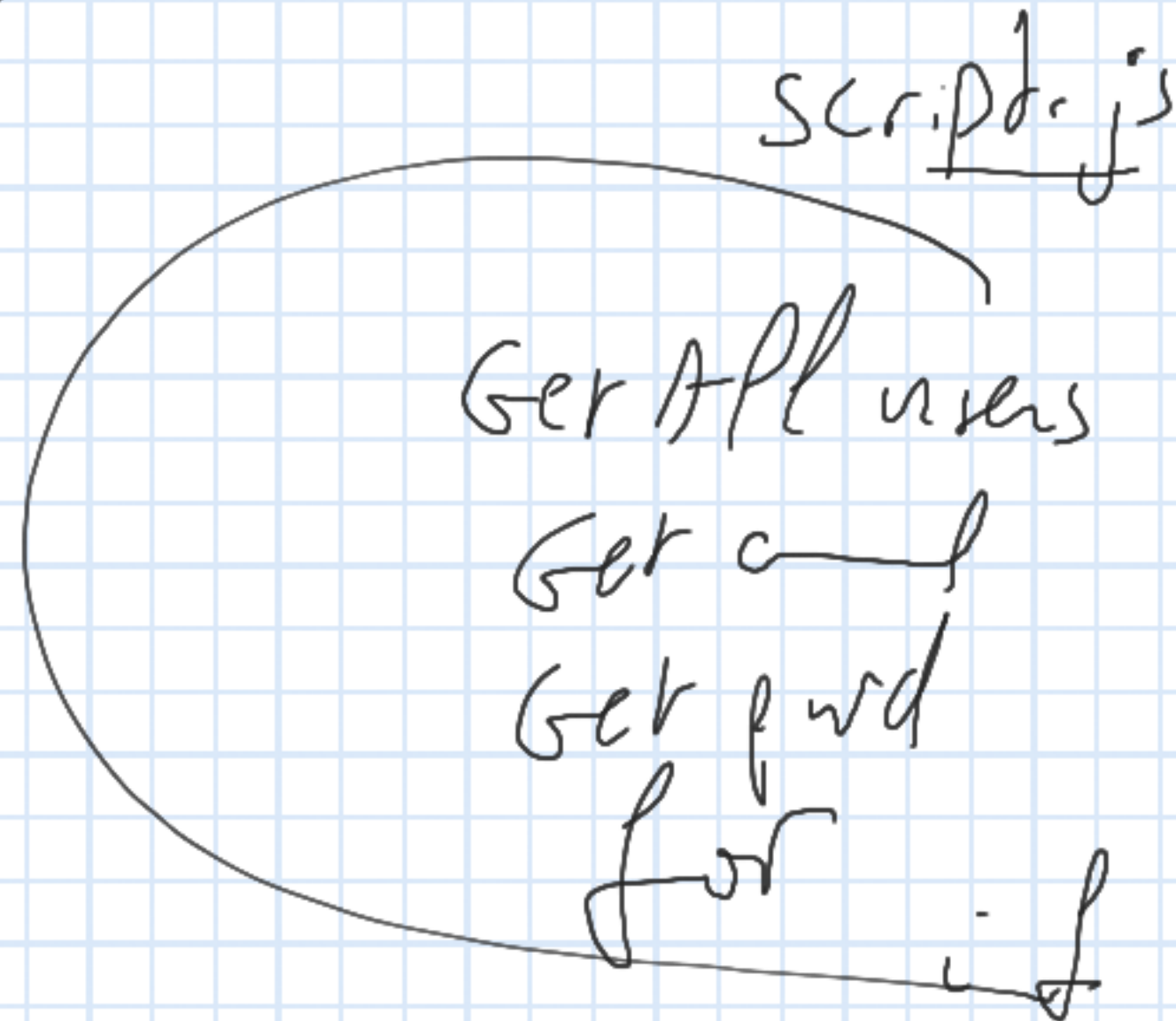
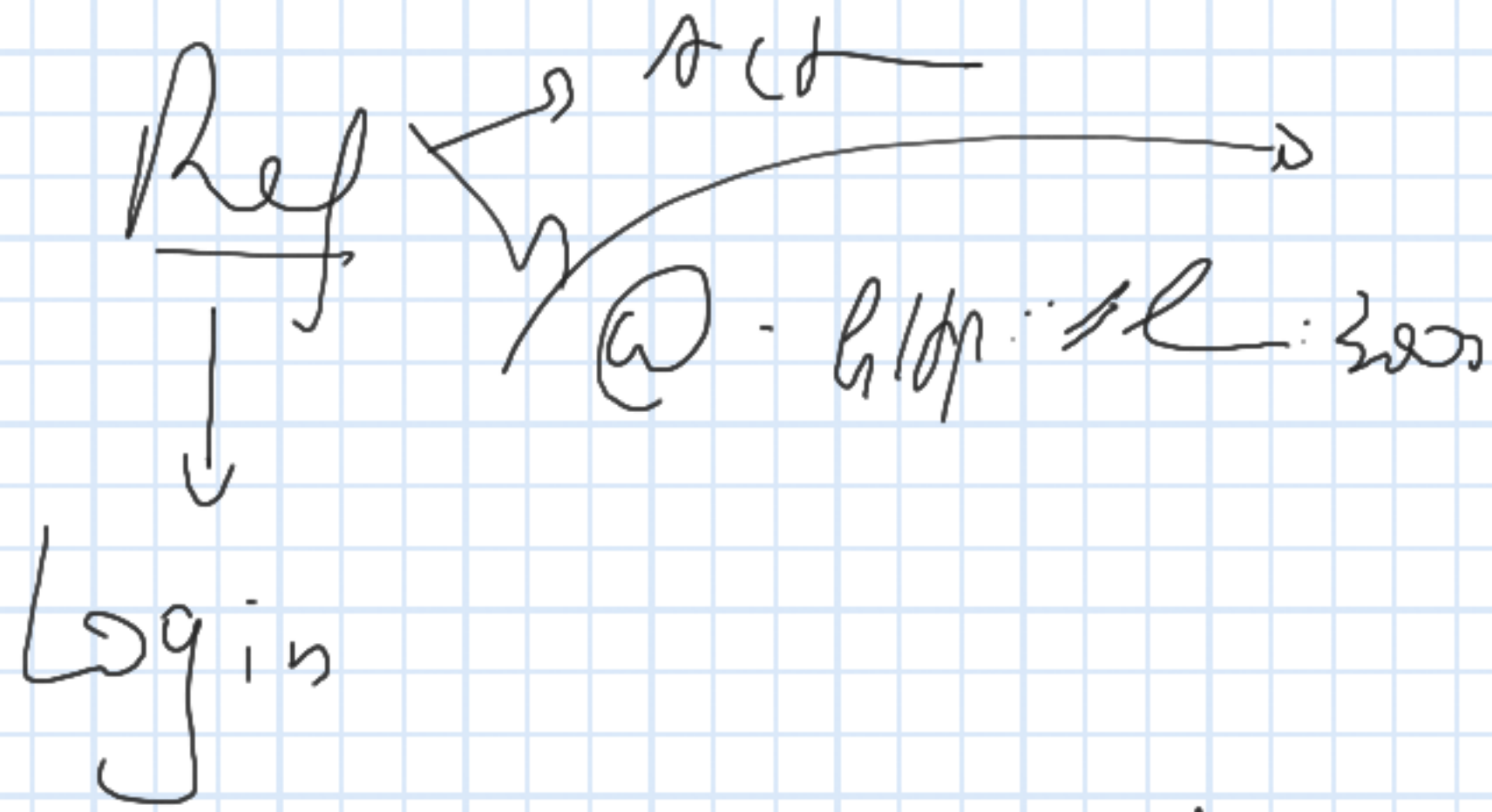
① Server BE

Listen

Http: = 2:3000

(d'articles)

② Traitement de la Requête



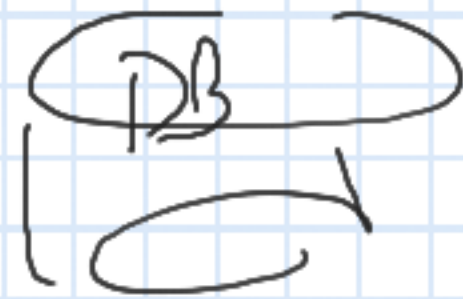
① Server

http://localhost:3000

② Trait logique

ensemble de fonctions

③



ExpressJS : Framework BE JS.

(Gt Server)

NodeJS : Runtime Env

Env d'exécution du code JS en

dehors du navigateur

NPM: Node Package Manager

versionen des packages

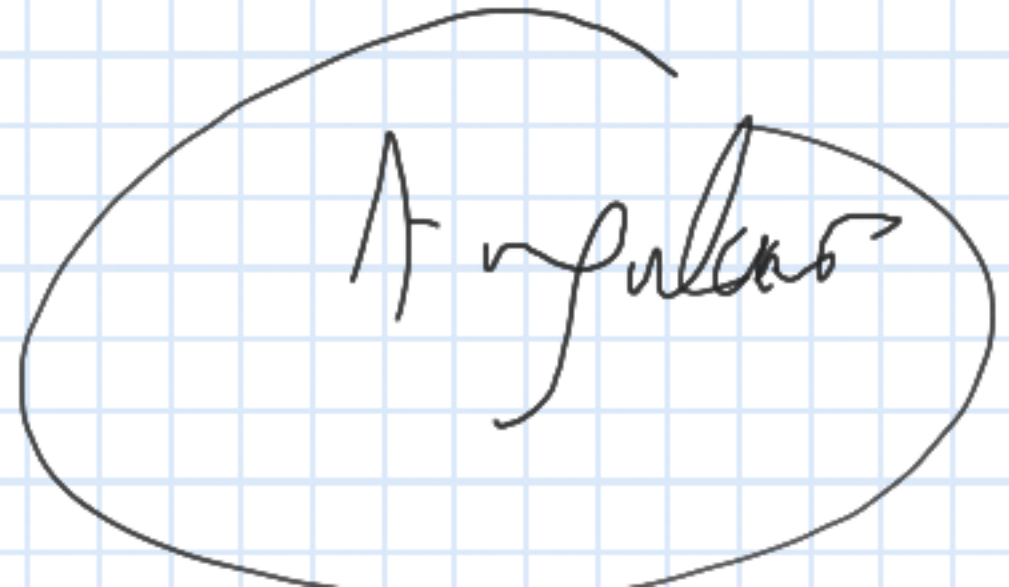
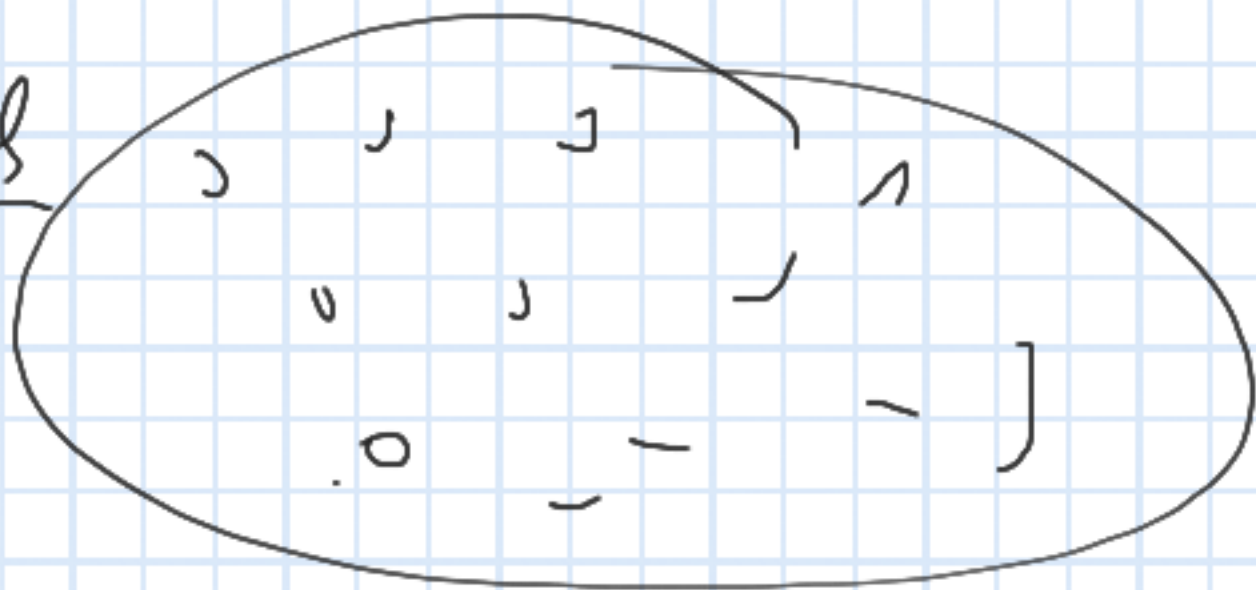
install

update

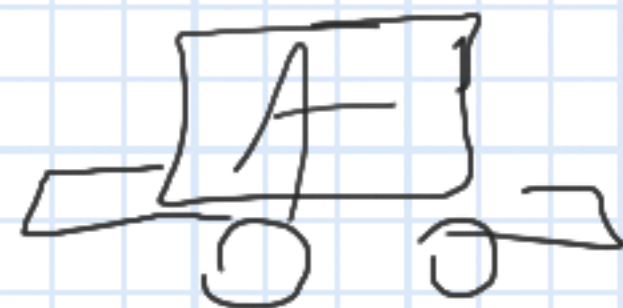
uninstall

NPM

Node



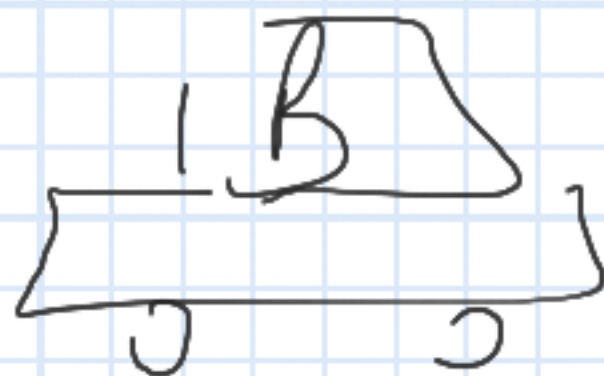
80 K



7 ch

Haval

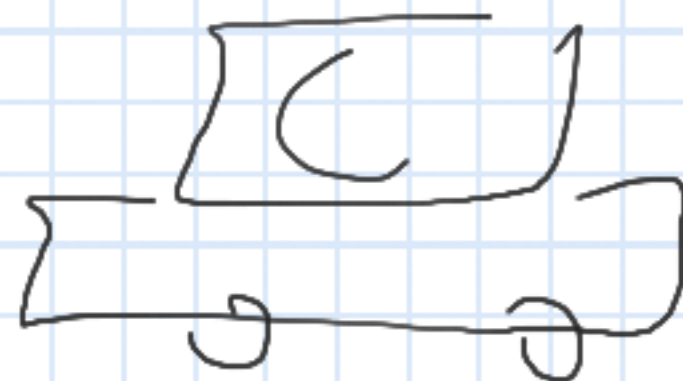
70 K



7 ch

Re d

90 K



7 ch

Bmw

\$ npm

i

-g

@angular/cli@v

Module

Node

↓
Geschönneire

1) Node

2) Bash

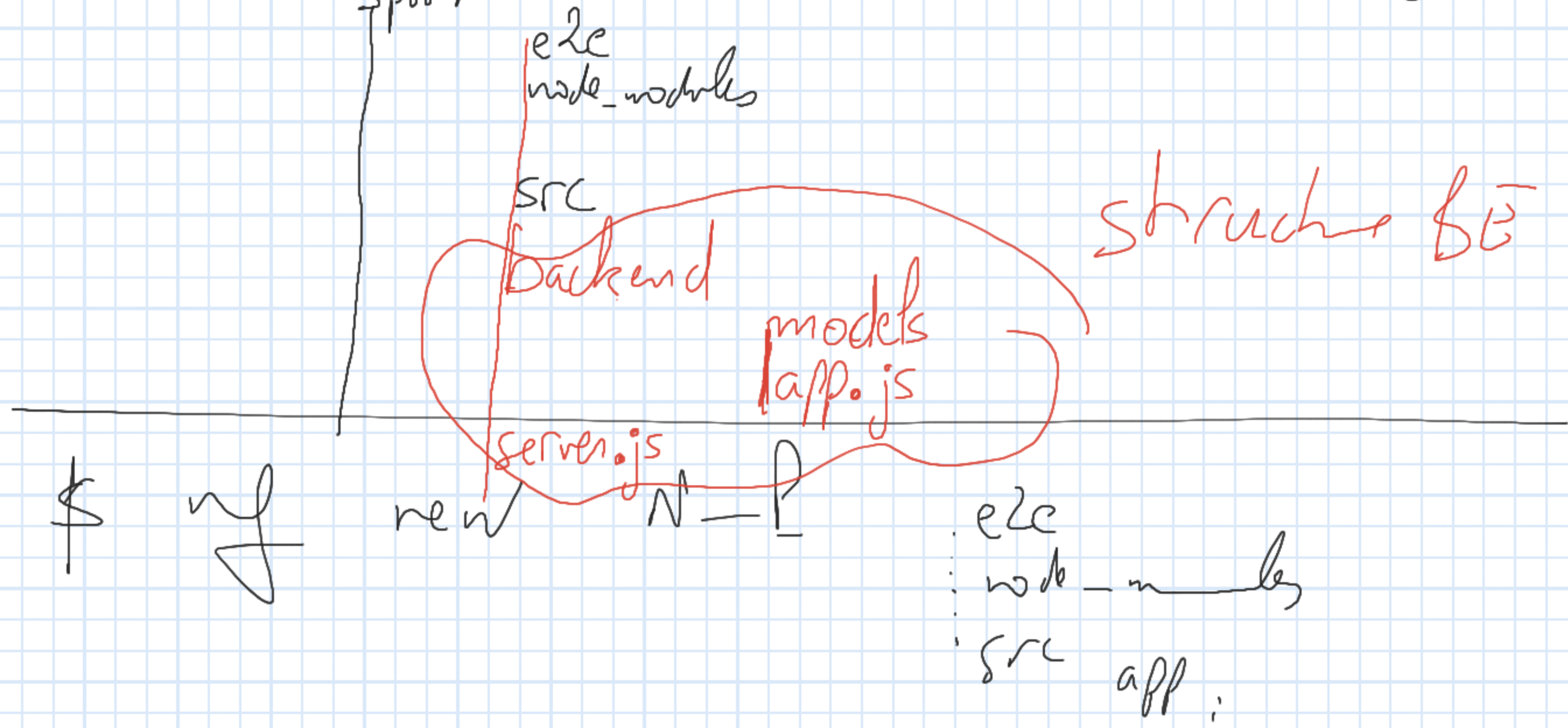
3) npm

4) @angular/cli

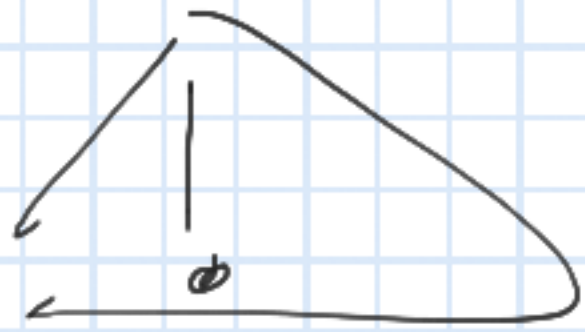
Router

1

Preparieren Ca structure der ProjektBE

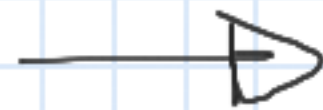


②



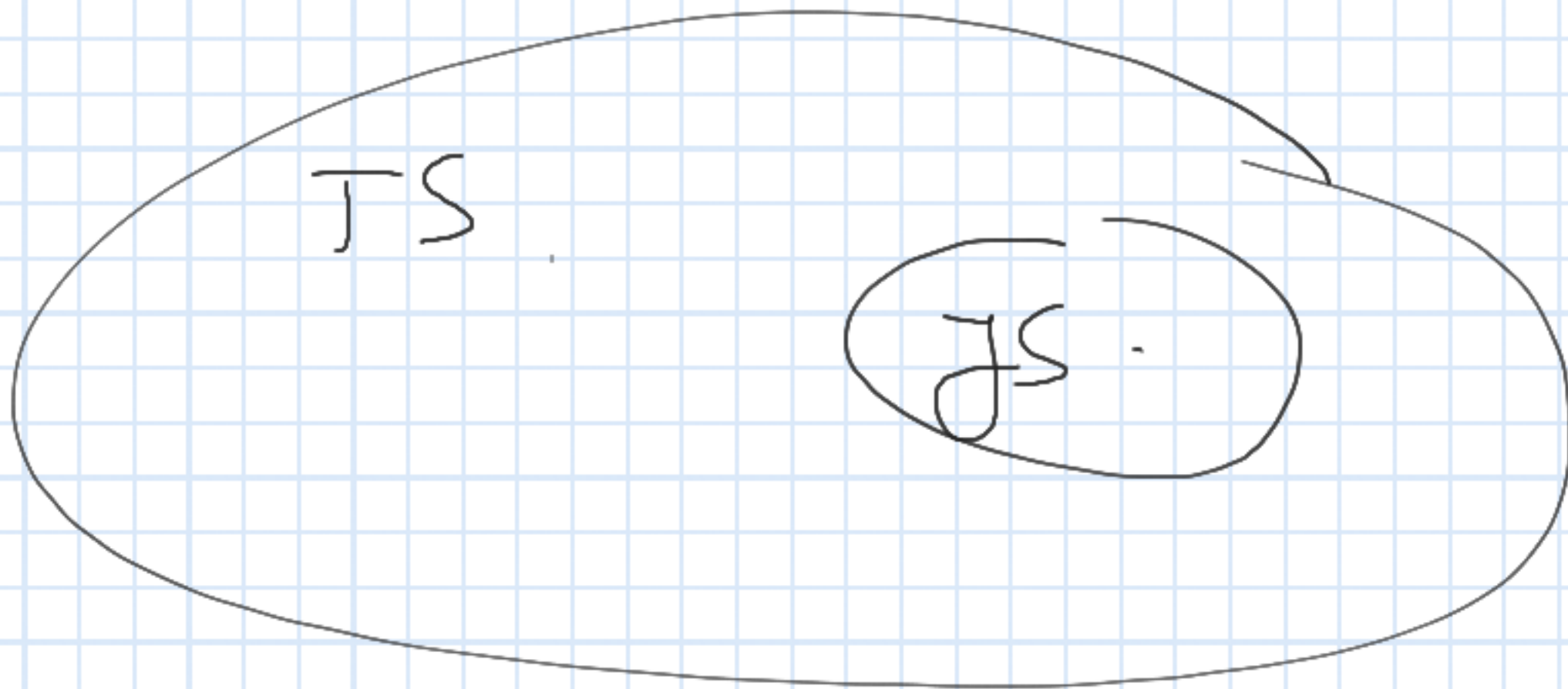
Les fichiers C#

BE



• js

TS



3) Installer express

se pointer
sur npm

\$ npm i express

↳ module /
package

\$ npm -i @angular/cli

↳ module / package

\$ npm i express@version

npmjs.com : All packages + versions

package.json : fichier où on trouve
nos packages + versions

1)

chef

backend

models

des modèles de la DB

Traitement des Reqs

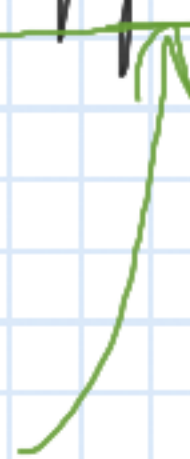
app.js

Dispatch

server.js

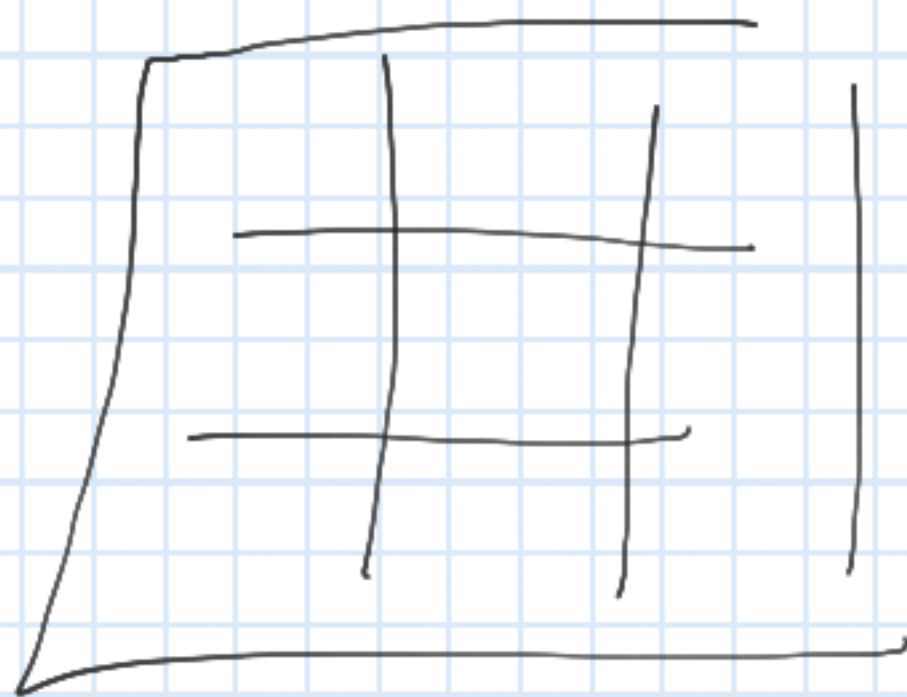
server BE
listen Reqs

FE



User
Team
Player

} Models
Types
Classes



Configuration :

const express = require('express');

↓
N° — Constante

↓
import

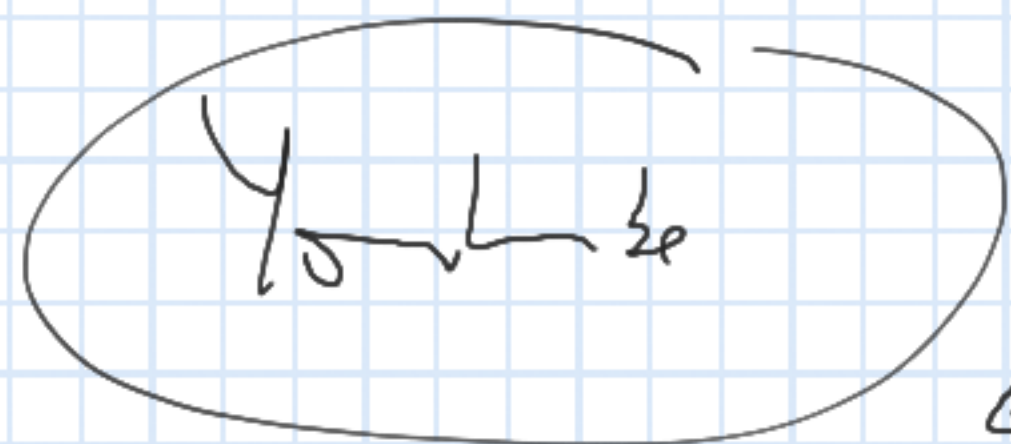
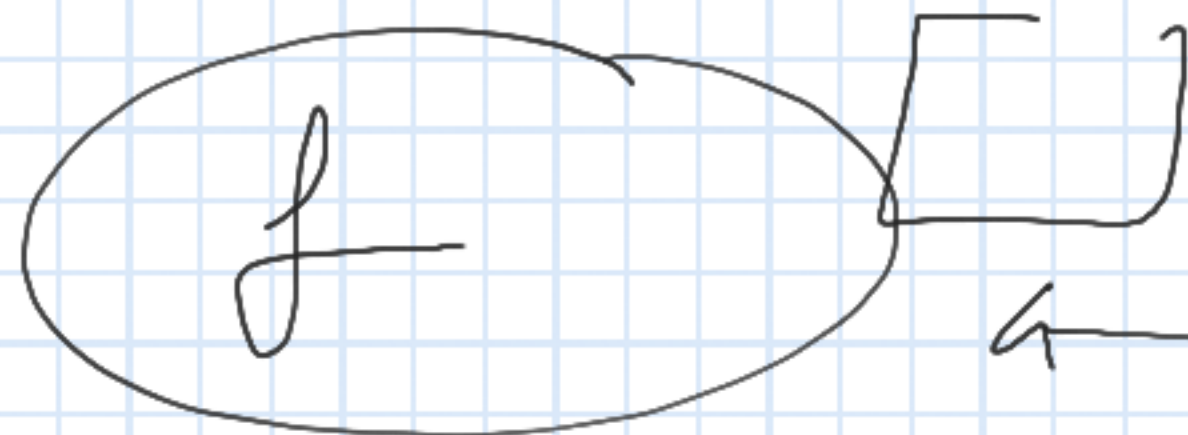
↓
Le nom du module
(qu'on a installé)

@angular/cli : Module

FE

Server.js :

1)



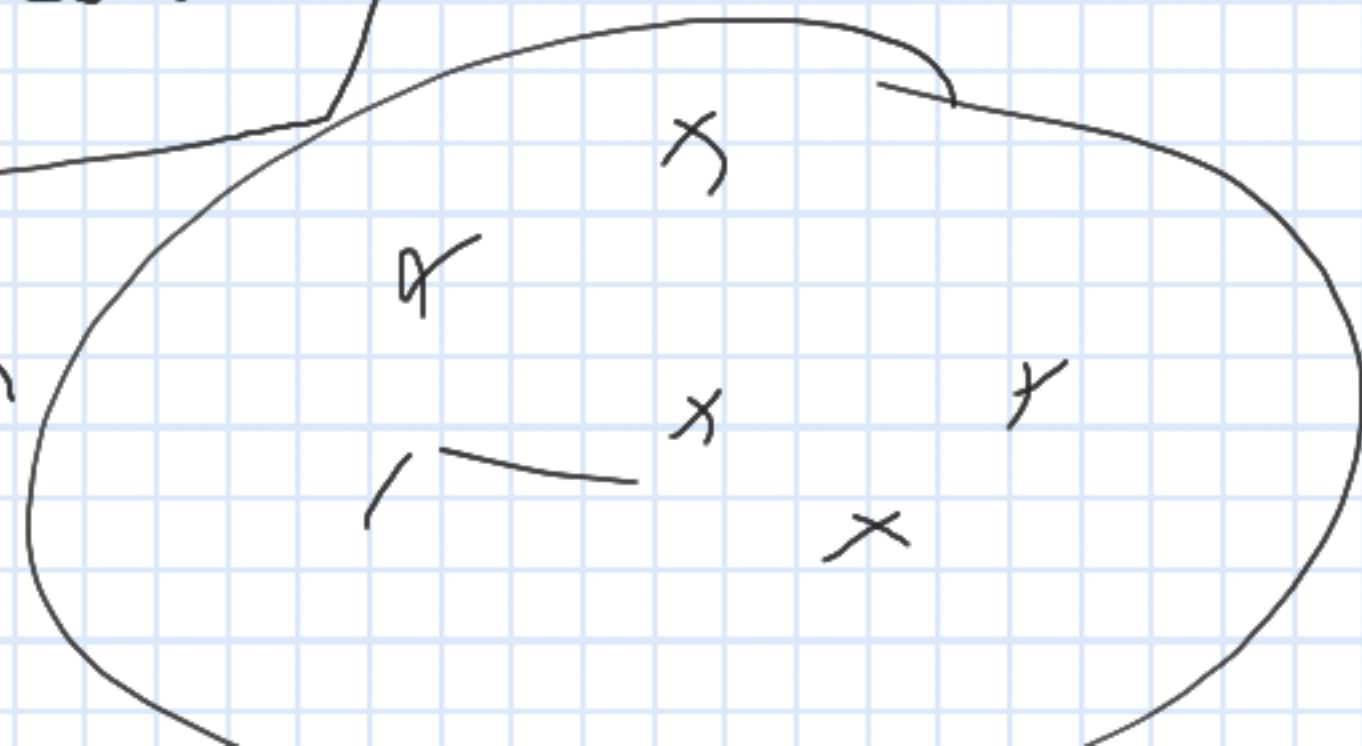
Add Match

4201 - 4200

~~Add Player~~

4201

4200



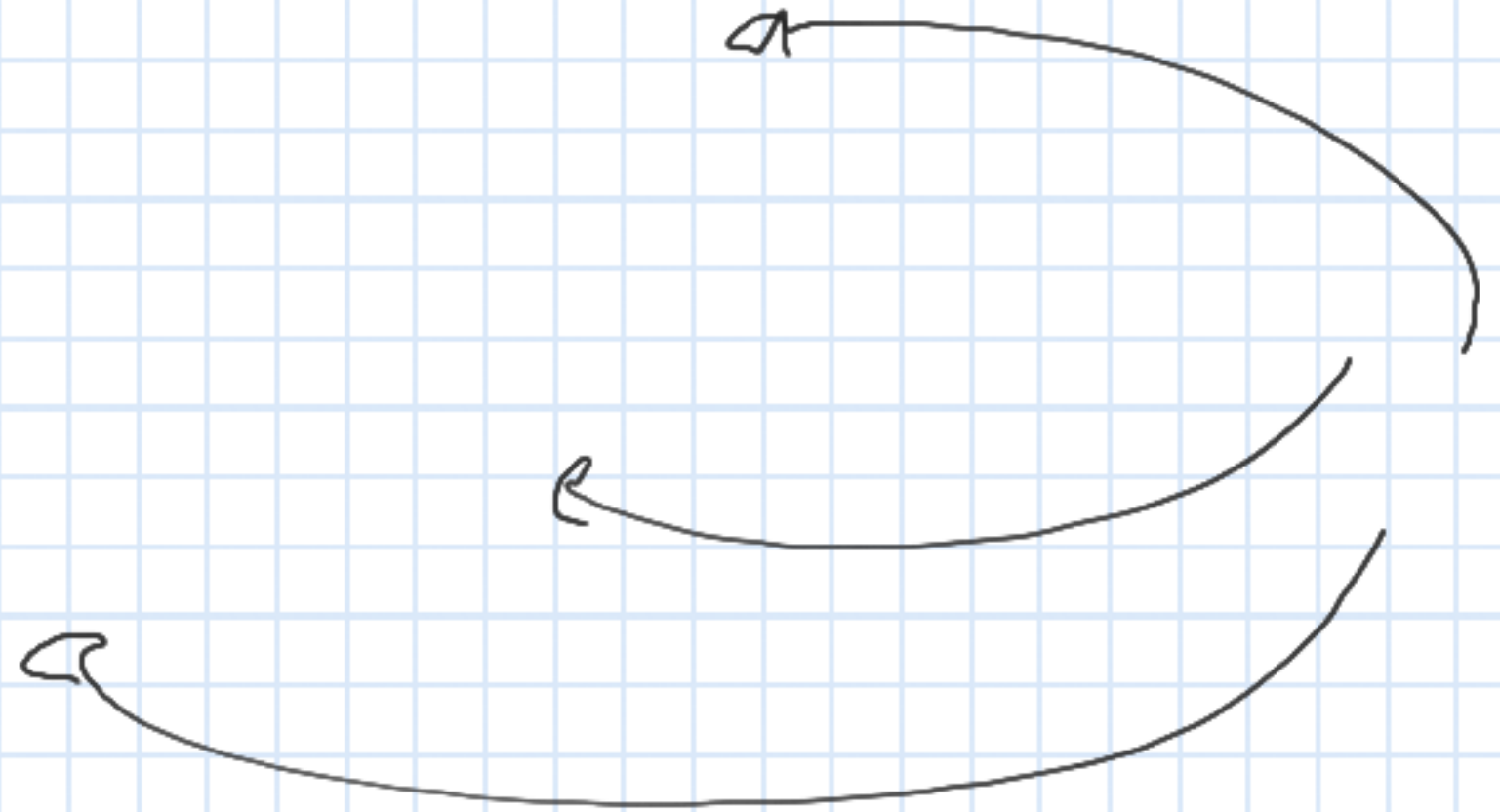
app. listen (3000 Port , () => { Arrow function)

methode
prädefiniert

du server
BE

params

http -- 3000



(A) funcid $A(a,b) \{$ func hân
 $\text{ret } a+b;$

(B) funcid $(a,b) \{$ func hân
 $\text{ret } a+b;$ Anonymous

(C) $(a,b) \Rightarrow \{$ 1 sense for
 $\text{ret } a+b;$ Arrow
 funcid func hân f l'oché

app. lister
methode

(3000

(4) => {

param
arrow func^o

comp. arrow func^o

}) ;

Arrow func^o
paramete