INFO2MI - COMPILATION SEPAREE 7.X.2020.

Module → define / enum / struct / prot. → .h
fonction → .c

Variable Globale à un module .c

int a

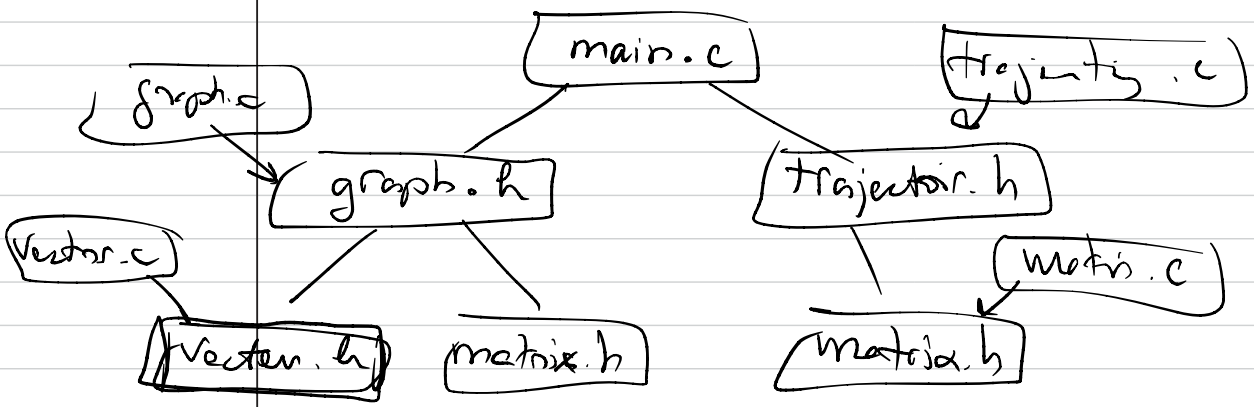
extern (.h) → exportation
static (.c)

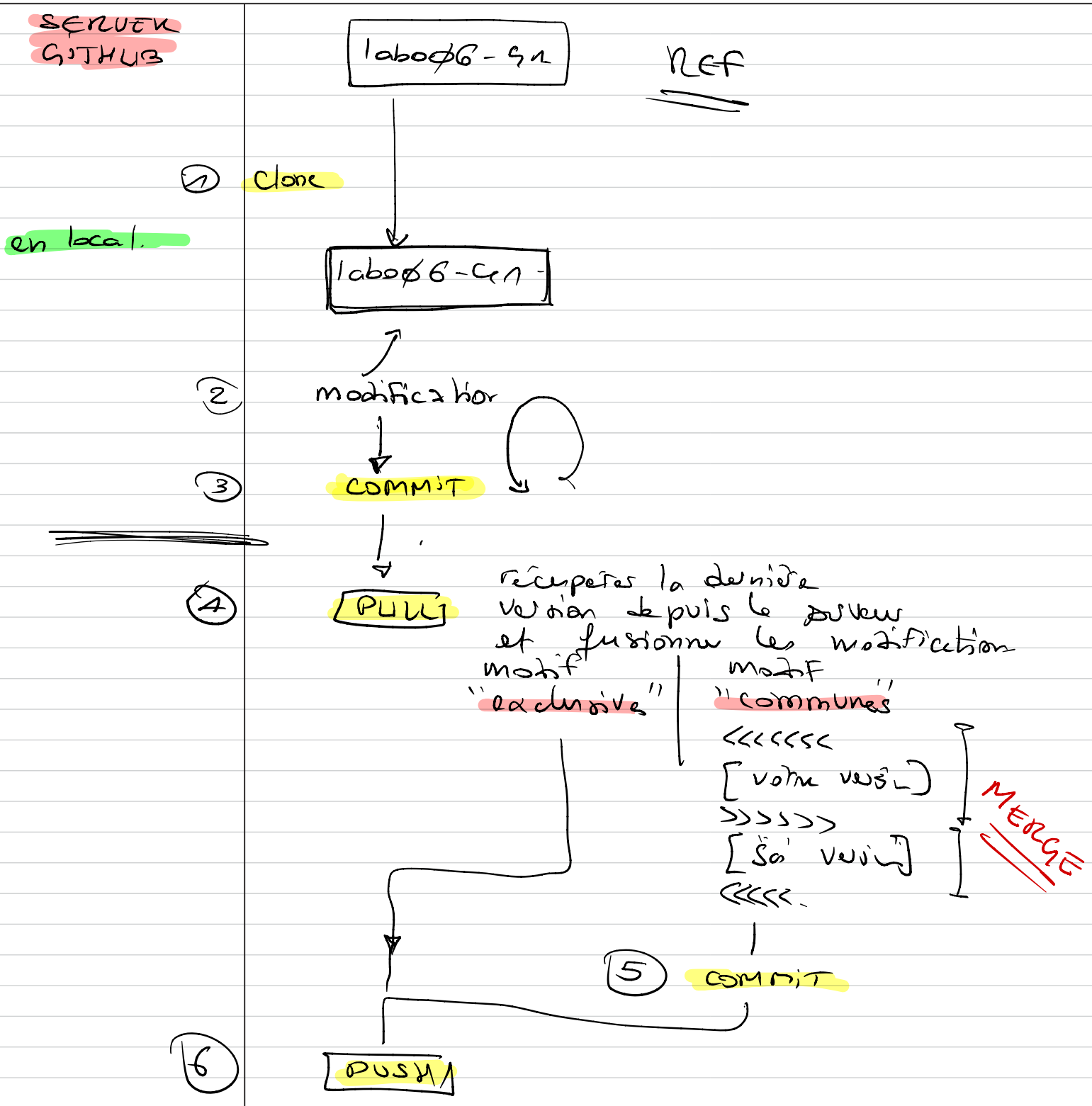
Fonction

static

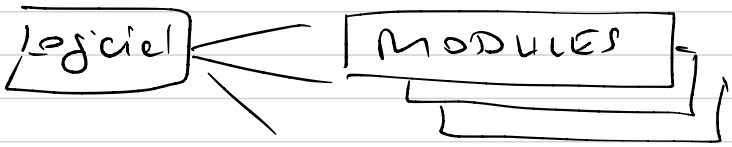
Test D | Test

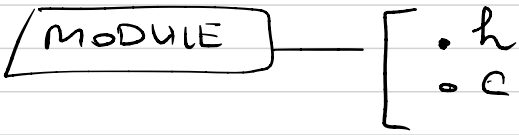
inclusion multiple à dépendance




SERVEUR GITHUB
labo06-gn
REF
1 Clone
en local
labo06-GN
2 modifications
3 COMMIT
4 PULL
récupères la dernière version depuis le serveur et fusionne les modifications
modif "exclusive"
modif "communes"
<<<<<<<
[votre version]
>>>>>>>
[Son version]
<<<<<<<
MERGE
5 COMMIT
6 PUSH

INFO2 mi COMPILATION SEPAREE 7. X. 2020.





[.h] define | enum | struct | union | prototypes

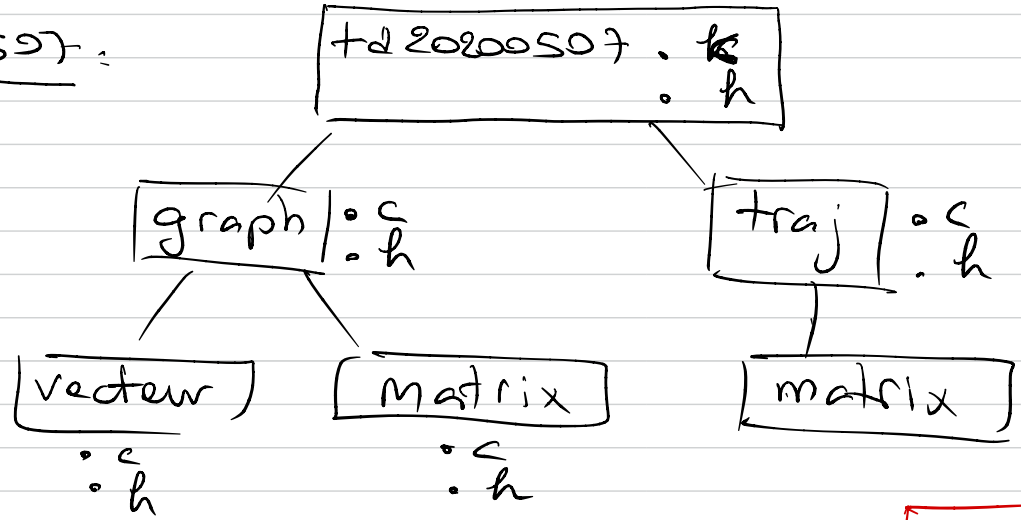
[.c] implémentation des fonctions.

Génération de l'exécutable (Make → Makefile)

① Compilation de tous les modules

② le link des fichiers .o → [exe]

TD 20200507 :

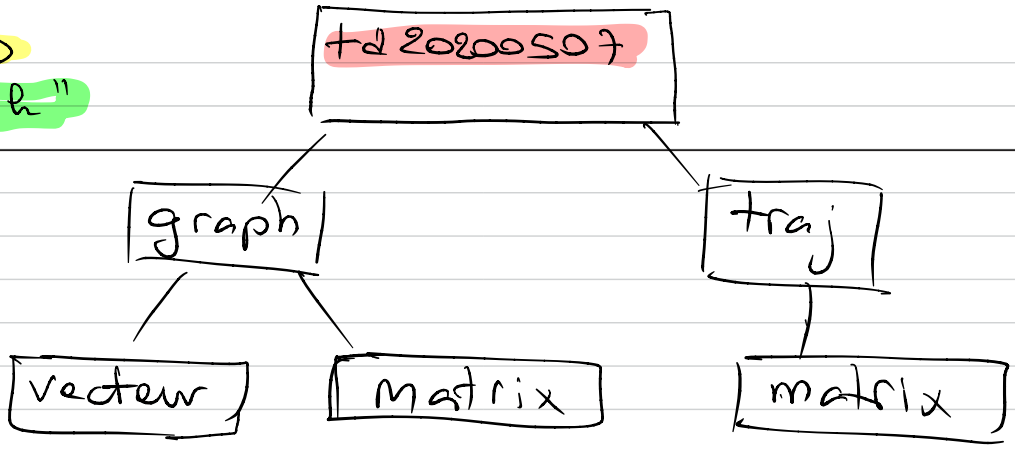


graph.c → void graph(void) {
puts("graph");
return;
}

.h
NE PAS METTRE
#pragma once.

13h55

#include <stdio.h>
#include "vecteur.h"



Compile

TD20200507.c

```
include "TD20200507.h"
    include <stdint.h>
    includ <stdio.h>
    include "graph.h"
        <stdint.h>
        <stdio.h>
        "vecteur.h"
            stdint.h
            stdio.h
        "matrix.h"
            <stdint.h>
            <stdio.h>
    include "traj.h"
        <stdint.h>
        <stdio.h>
        "matrix.h"
            stdint.h
            stdio.h
```

matrix.h inclus 2x

main

TD20200507.i

stdint.h (1)

stdio.h (2)

stdint.h (ignoré)
stdio.h (ignoré)

stdint.h (")
stdio.h (")

stdint.h (")
stdio.h (")

typedef struct -> sMatrix

stdint.h (")
stdio.h (")

stdint.h (")
stdio.h (")

typedef struct -> sMatrix

fonction main

#pragma once

Compile

erreur sMatrix

Protection contre les multiples inclusions

graph.h

```
#pragma once
```

"2020" =)

graph.h

```
#ifndef
#define
#endif
```

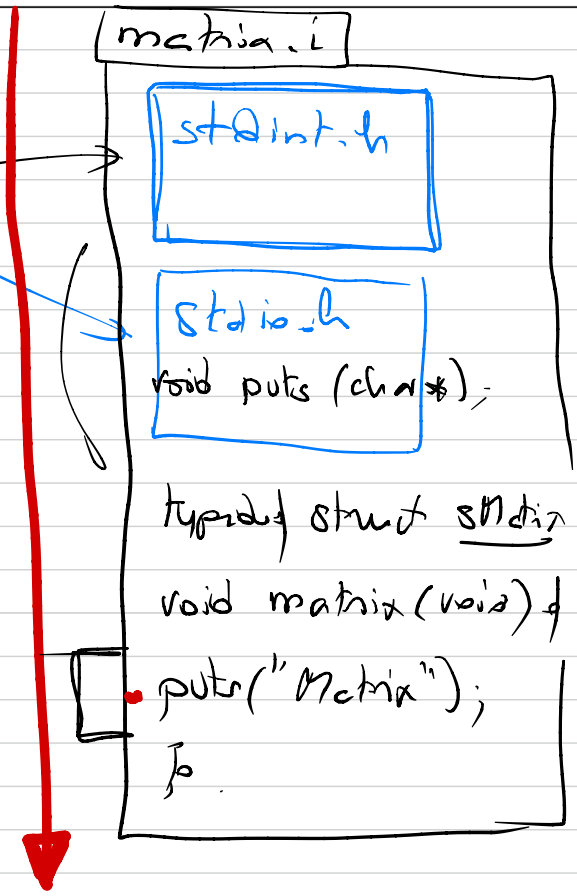
"1990"

_GRAPH_H_

symbole unique

matrix.c

```
#include "matrix.h"
#include <stdint.h>
<stdio.h>
```




```
int puts(int);
    puts("Matrix")
          |
        char*
```

Classe de stockage de variable

```
void f( int x) {
  int b=0;
}
```

b est une variable **locale**

existe UNIQUEMENT dans la fonction.

```
int x=0;
void f( int x) {
  int b=0;
}
```

x est une variable **GLOBALE**

utilisable dans toutes les fonction du .c

dans lequel elle est créé.

---

static

volatile

register

TD20200507 : **Graph** variable globale ggraph = 0 (int)

fonction graph() → ggraph = 1.

Compilation.

extern int ggraph; // apporte la visibilité de la variable globale