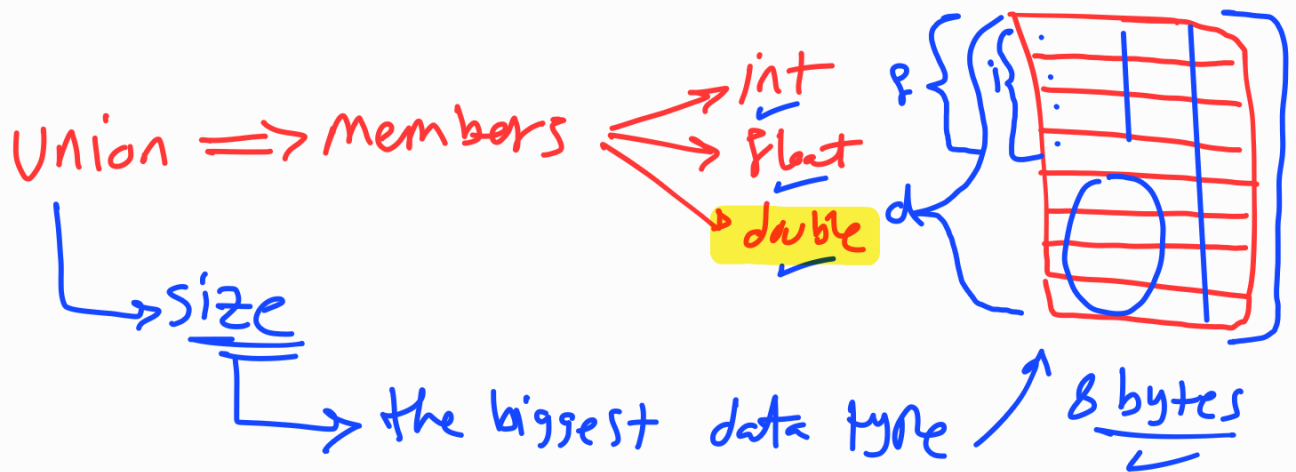


Union

→ user defined data type.

⇒ Support different overlapped data types.



Syntax

Union

UNUM_Value

{

int int_val;

float float_val;

double double_val;

};

define
new
data type

⇒
No Space
@ mem

Union

UNUM_Value

My_union;

Access → dot operator (.)

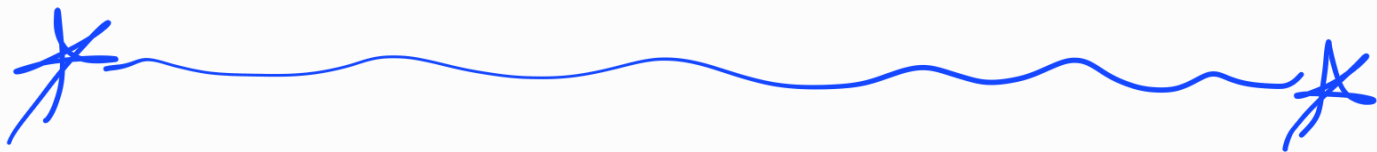
Myunion.float_val = ← ;

⇒ shared mem ⇒ overwrite

Ex-

3 line \Rightarrow 1 line

$\begin{array}{l} \text{int} \leftarrow \text{int} + \text{int} \\ \sim \leftarrow \text{double} + \sim \\ \text{r} \leftarrow \text{r} + \text{r} \end{array}$ \Rightarrow using union



\Rightarrow Tricky Codes

\hookrightarrow Ex-

T. Arr[0]



3



... 00011

T. Arr[1]



2



... 0010

T. X



3
2
0
0

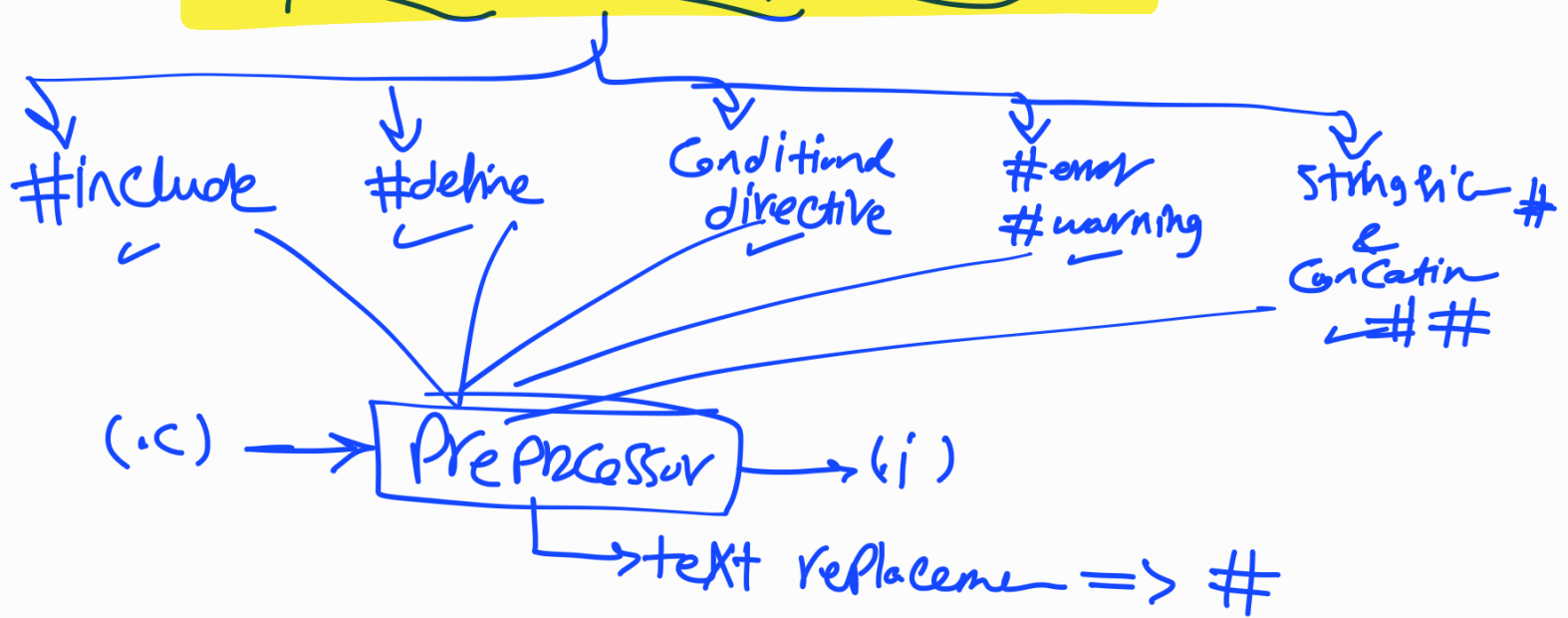
... 00010000000011



$\rightarrow = 515_{10}$

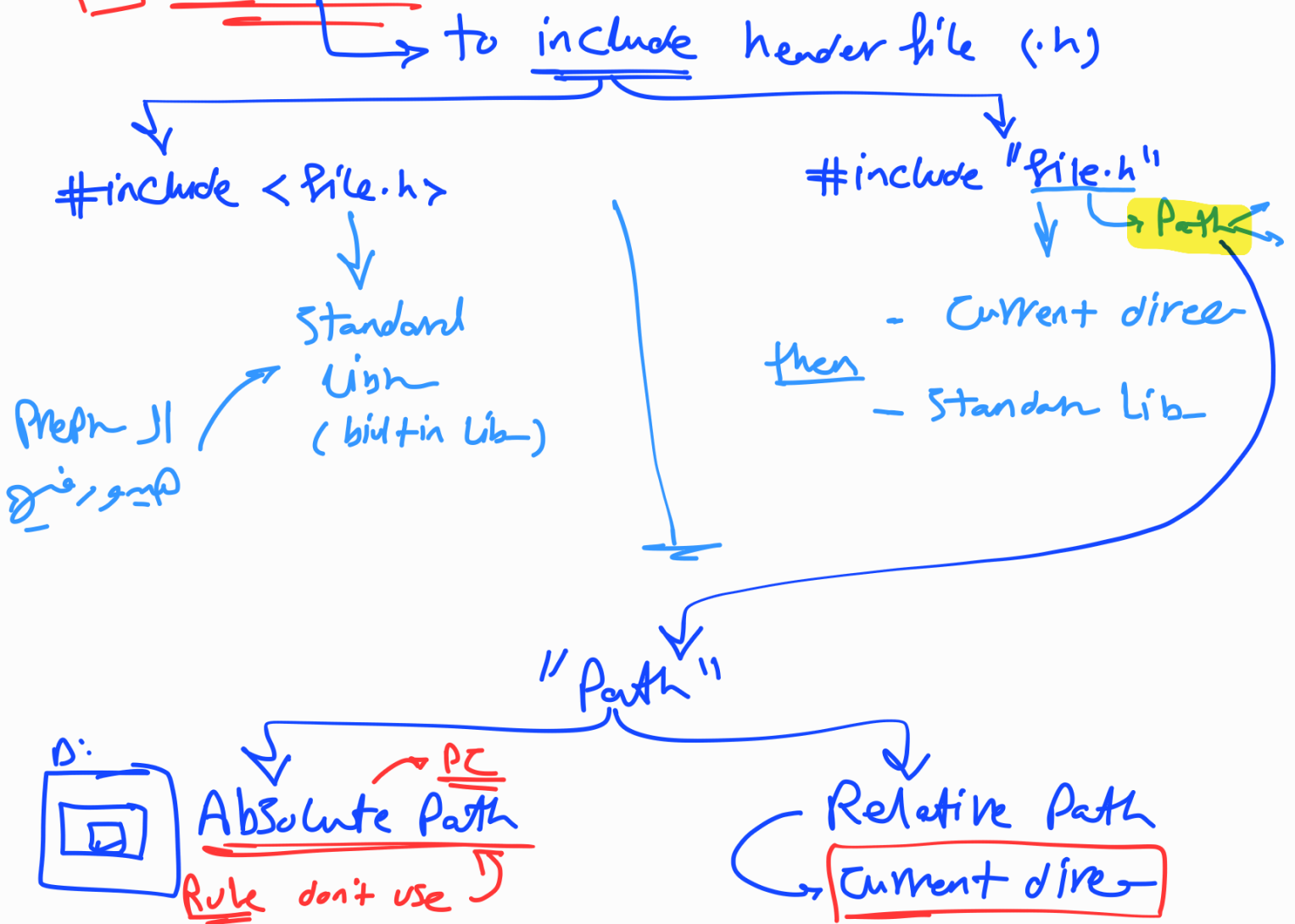
\Rightarrow Ty Redef \rightarrow Embedded C

Preprocessor Directives



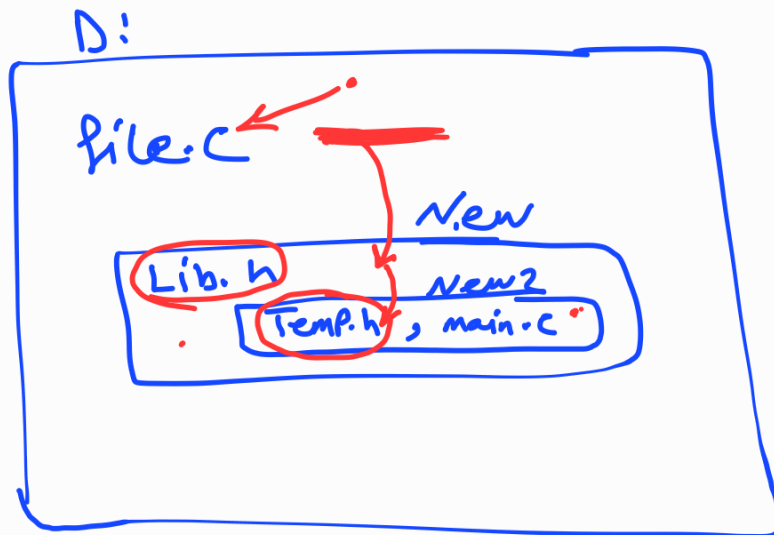
* `#Pragma` → Compiler directive

#include



⇒ Relative

EX



Ex-1

@ file.c → temp.h

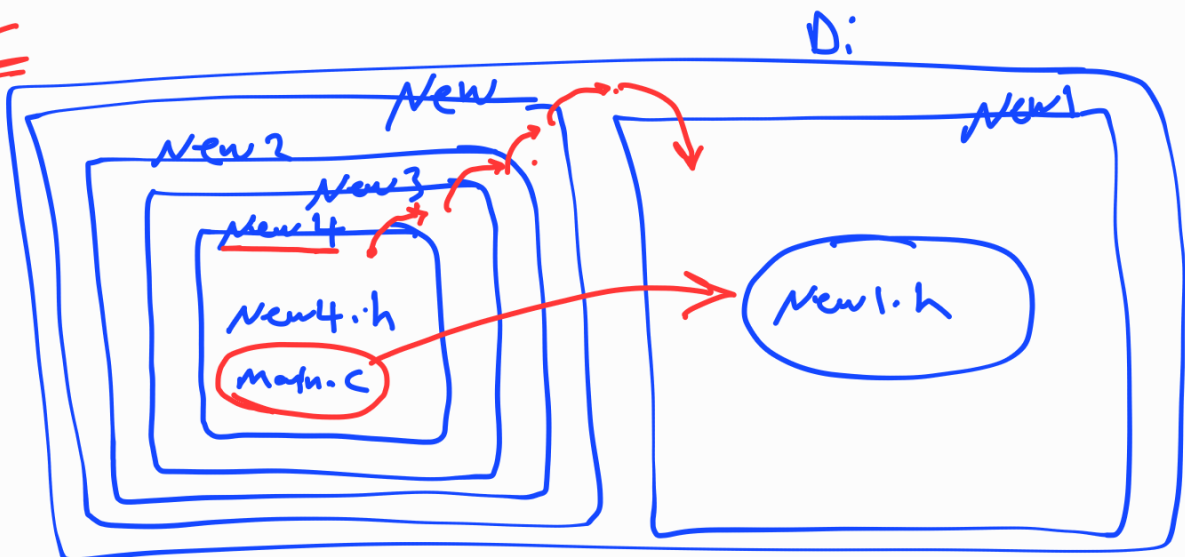
#include "New/New2/Temp.h"

Ex-2

@ main.c → Lib.h

#include " ../Lib.h "

EX



#include " ../ ../ ../ ../ New1 / New1.h "

#

*