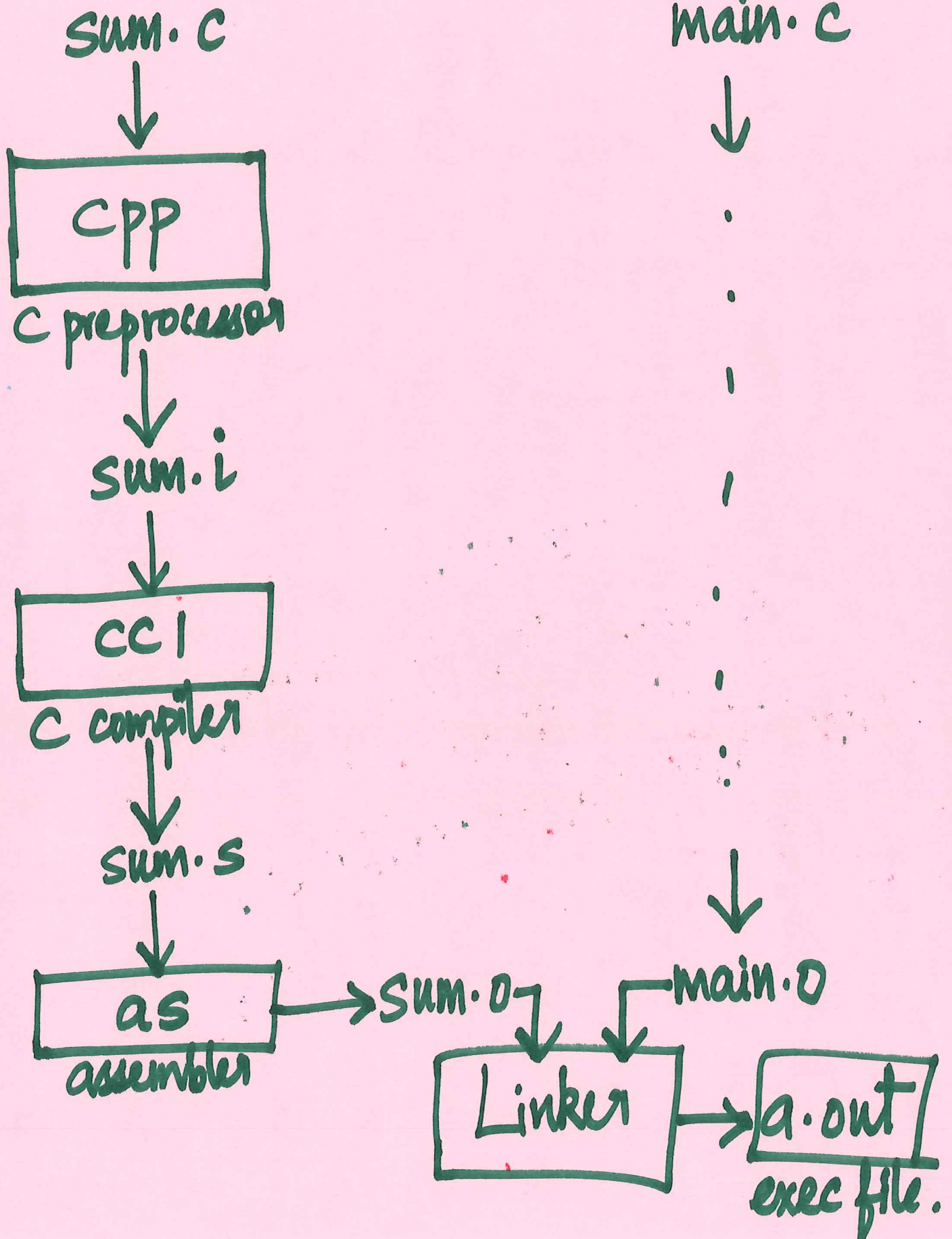


Linking!



Preprocessor

1. comments are removed.
2. # define, # includes are handled.

⇒ preprocessor directive.

#define N 100

Declaration

stmt that informs the compiler that ~~it need~~ the variable or the func. will be defined somewhere else.

eg. `int sum(int a, int b);`

`int x;` definition.

`int sum (. . .)`

`{`

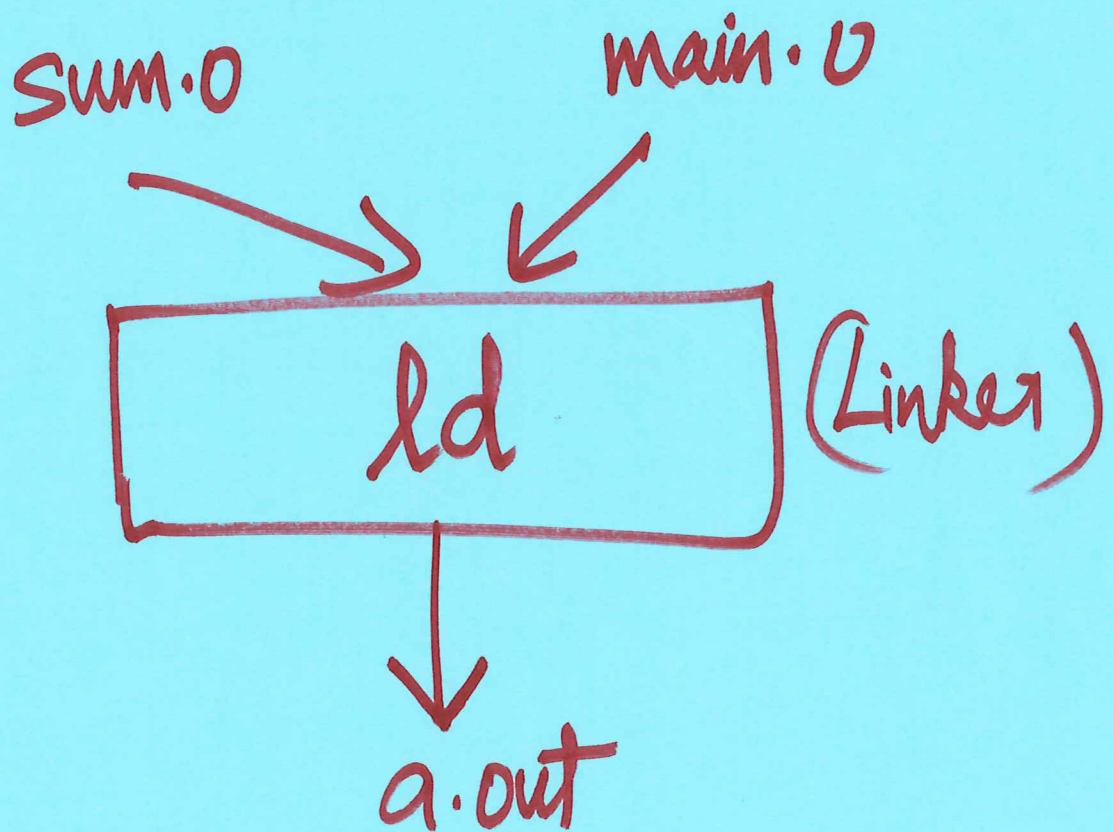
`=====`

`}`

`extern int x;`
// declaration.

Definition

1. memory is allocated for a var.
 2. if a func. is defined.
↓
memory will be allocated.
-



ELF - Executable and Linkable Format

main.o sum.o
Relocatable object files

a.out
Executable object file

||||

||| ||00

28

28:

FF FF FF FC

2d:

1100



-8+4+0+0

-4

2d
- 4

29

ELF for a relocatable obj file

ELF Header

- text

- rodata

- data

- bss

- symtab

- debug

- line

- strtabs

Section header table.