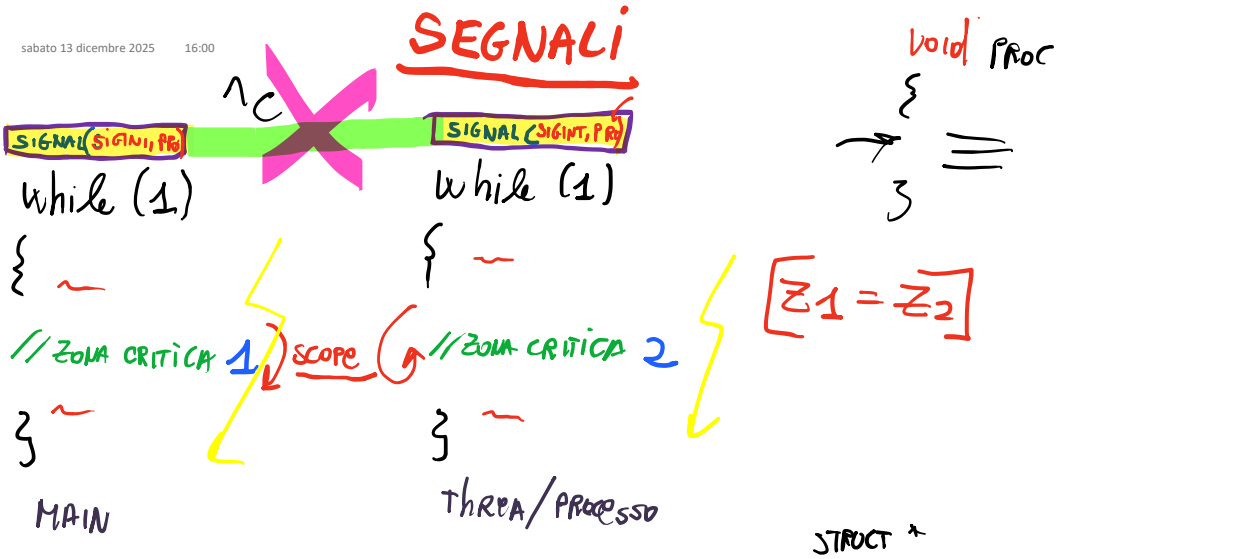
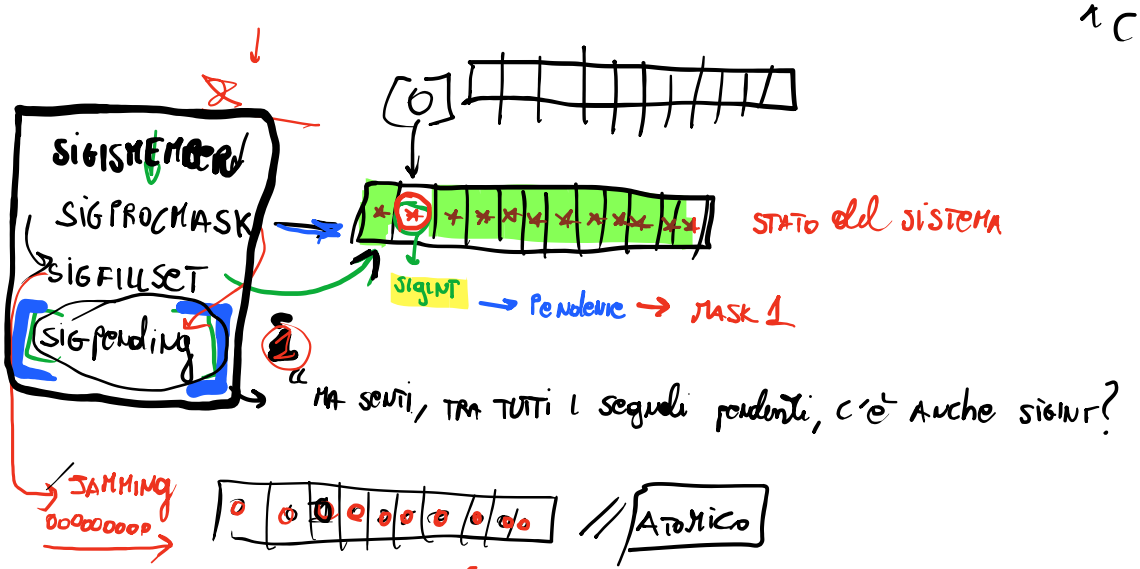
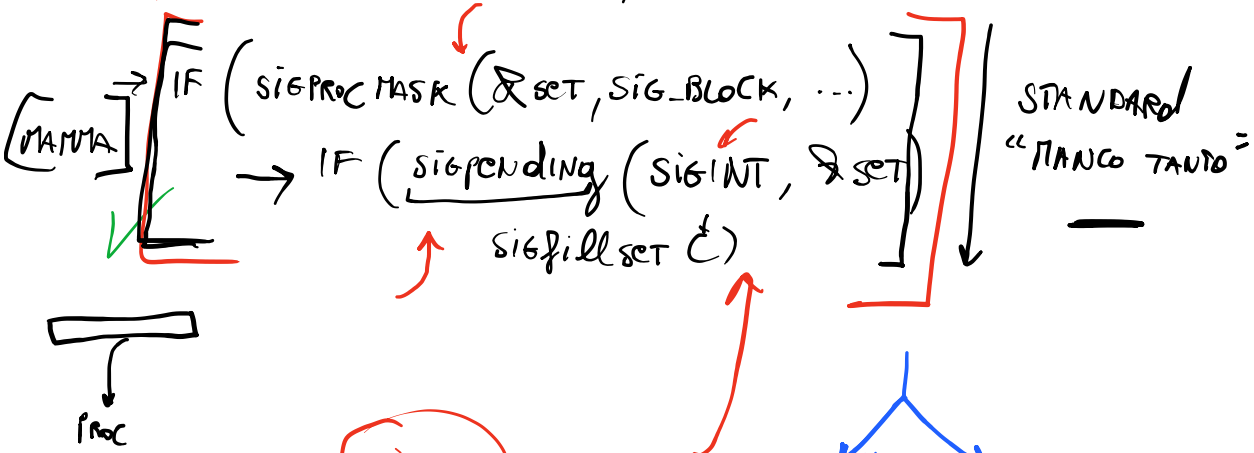
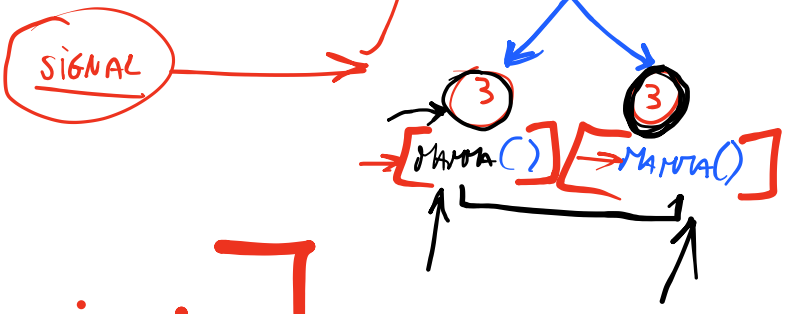
sabato 13 dicembre 2025 16:00

SEGNALI









SIGACTION

.handle = nome

struct sembuf ...

struct sigaction ...

```
int main(int argc, char** argv)
{
  sigset_t set; // maschera di BIT
  struct sigaction act;

  sigfillset(&set); // PASSA LA MASK A ZERO I BIT

  act.sa_sigaction = handle; -> nome del gestore
  act.sa_mask = set; -> set
  act.sa_flags = SA_SIGINFO;
  act.sa_restorer = NULL; // SEMPRE NULL
  sigaction(SIGINT,&act,NULL); // SEMPRE NULL

  sigprocmask(SIG_BLOCK,&set,NULL);
```

-> system("%s", "cat nome")

SA_NODEFER

-> sig ignore = sig_ign

SIGNAL(sig, handle)

SETTAGGIO

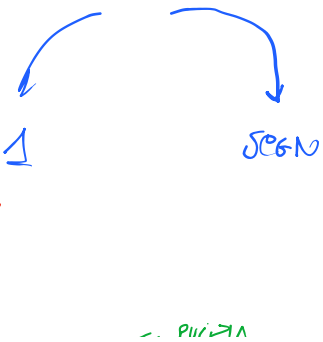
```
sigpending(&set);
    if(sigismember(&set,SIGINT))
    { //solo se premo CTRL + C
      contatore_gestione_segnale =
      contatore_gestione_segnale + 1;
        sigemptyset(&set);
        sigaddset(&set,SIGINT);
      sigprocmask(SIG_UNBLOCK,&set,NULL);
      sigprocmask(SIG_BLOCK,&set,NULL);
    }
```

CTRL+C

TRA TUTTI, quelli pendenti, c'è anche SIGINT?

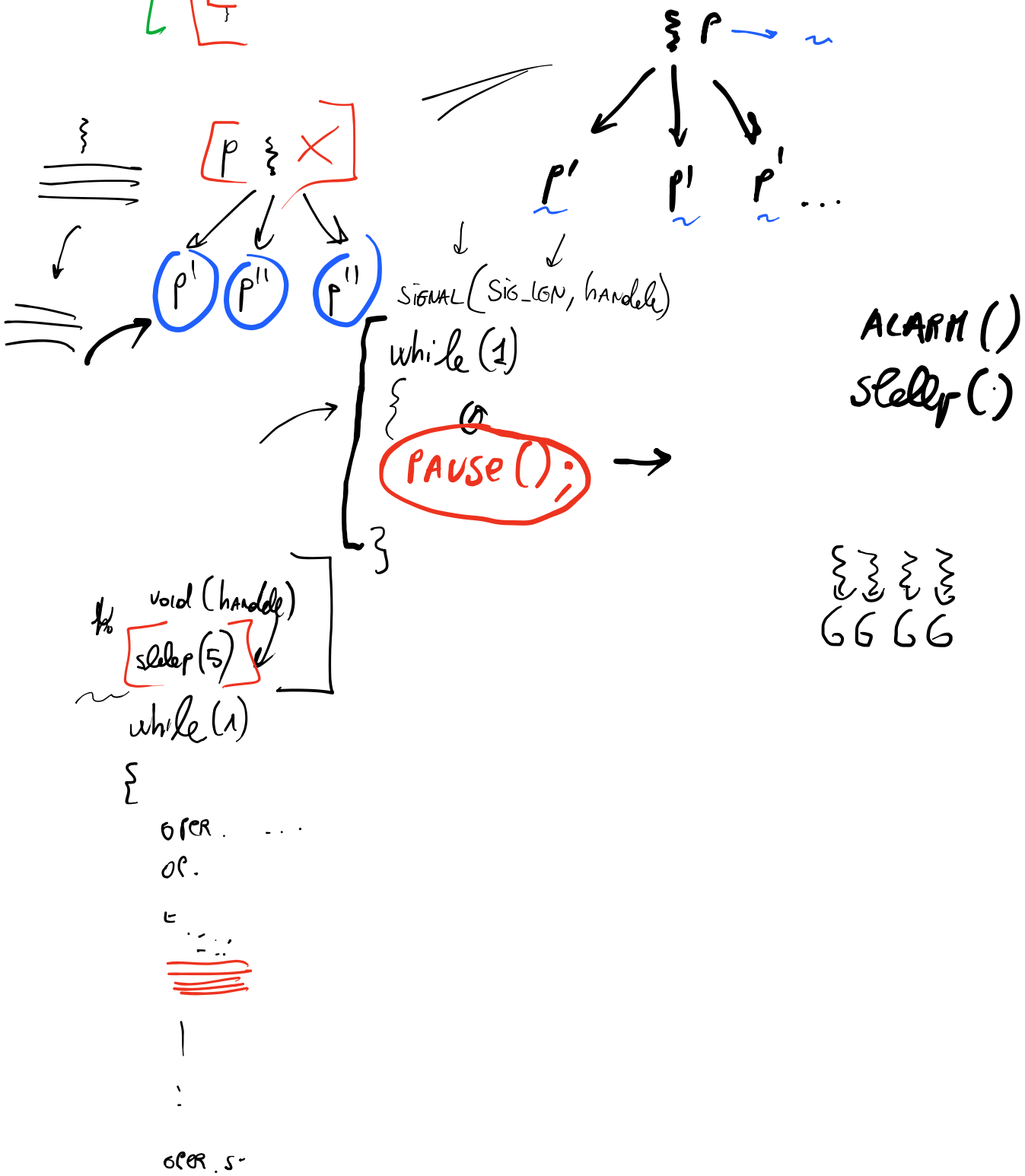
RISVUOTO la MASCHERA

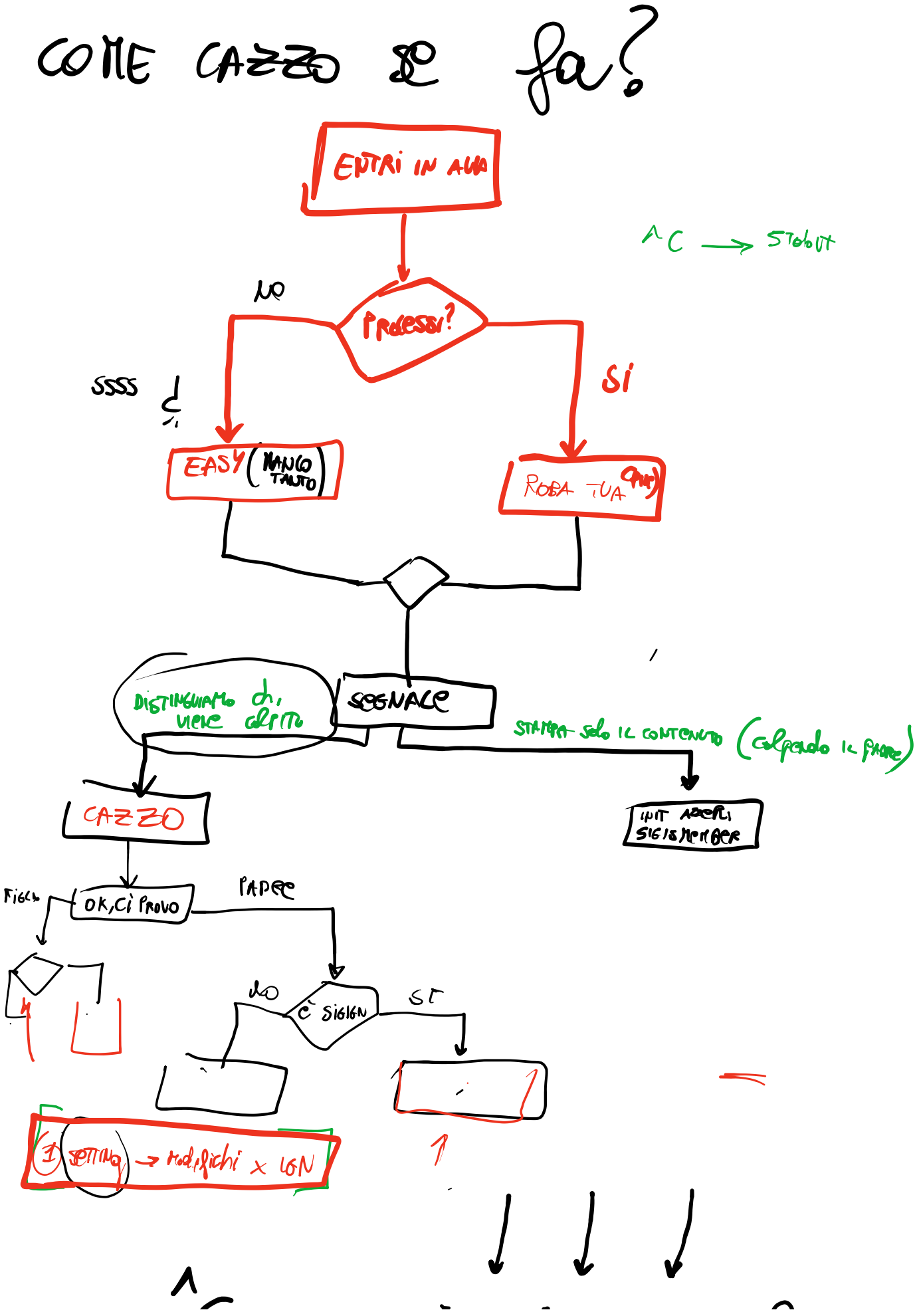
1 = SIGINT

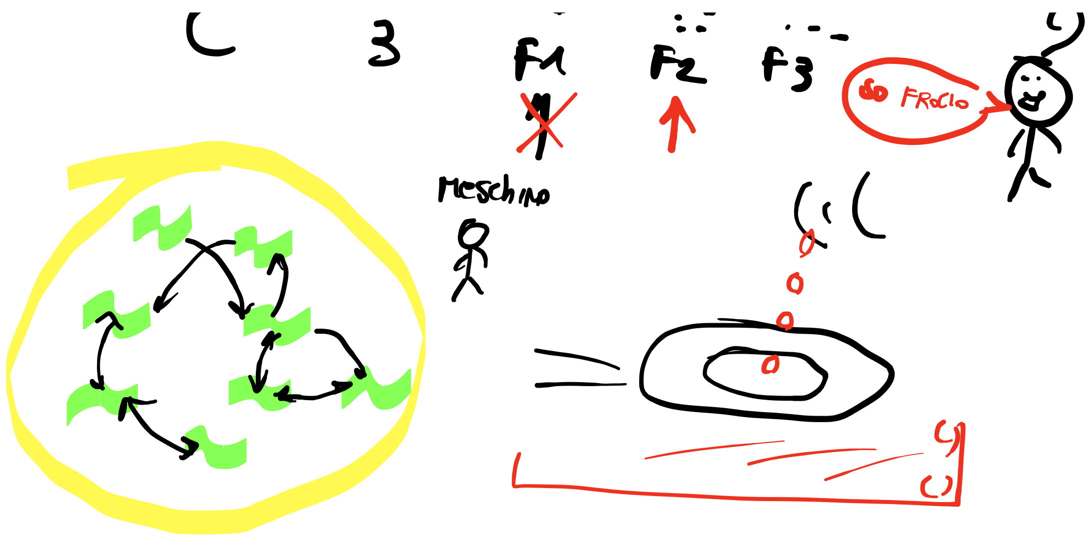


```
sigpending(&set);
if(sigismember(&set,SIGINT))
{
    printf("\n");
    sprintf(buffer, "cat %s", file_names[pid+(pid+1)]);
    printf("\n----------\n");
    printf("Contenuto del %s che correntemente è
    gestito : [*] \n", file_names[pid+(pid+1)]);
    system(buffer);
     sigemptyset(&set);
     sigaddset(&set,SIGINT);
    sigprocmask(SIG_UNBLOCK,&set,NULL);
     sigprocmask(SIG_BLOCK,&set,NULL);
}
```

TRA TUTTI I SEGNALI PENDENTI, C'È ANCHE SIGINT??




COME CAZZO SE fa?
ENTRI IN AULA
^C → STACCATI
NO
PROFESSI?
SI
SSSS
EASY (MANCO TANTO)
ROBA TUA (PHP)
DISTINGUIAMO CHI VIENE COLPITO
SEGNALE
STAMPA SOLO IL CONTENUTO (colpendo il padre)
CAZZO
INIT ACCEPT SIGISMEMBER
FIGLIO
OK, CI PROVO
PADRE
NO
C'È SIGIGN
SI
1) SETTING → modifichi x UGN



$O(n)$, $O(\log n) \leq o(n)$

Ricorsivo ;
Indicizzato ;

→ PUNTATORI

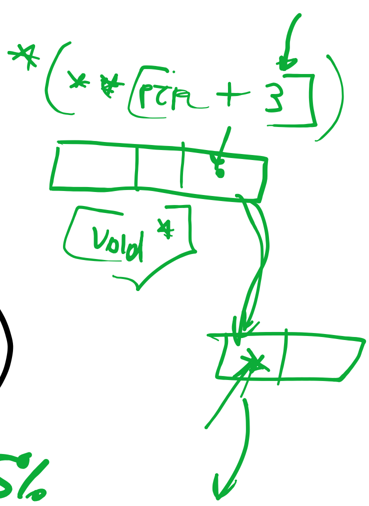
* PTR = V(a)

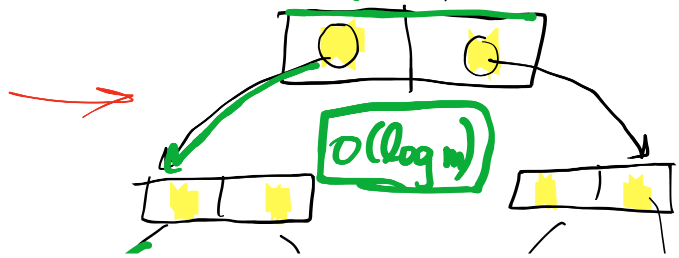
INT * PTR = &a;

MALLOC

- INT ** PTR = MALLOC(sizeof (INT *))
- FILE ** PTR = MALLOC (sizeof(FILE *))

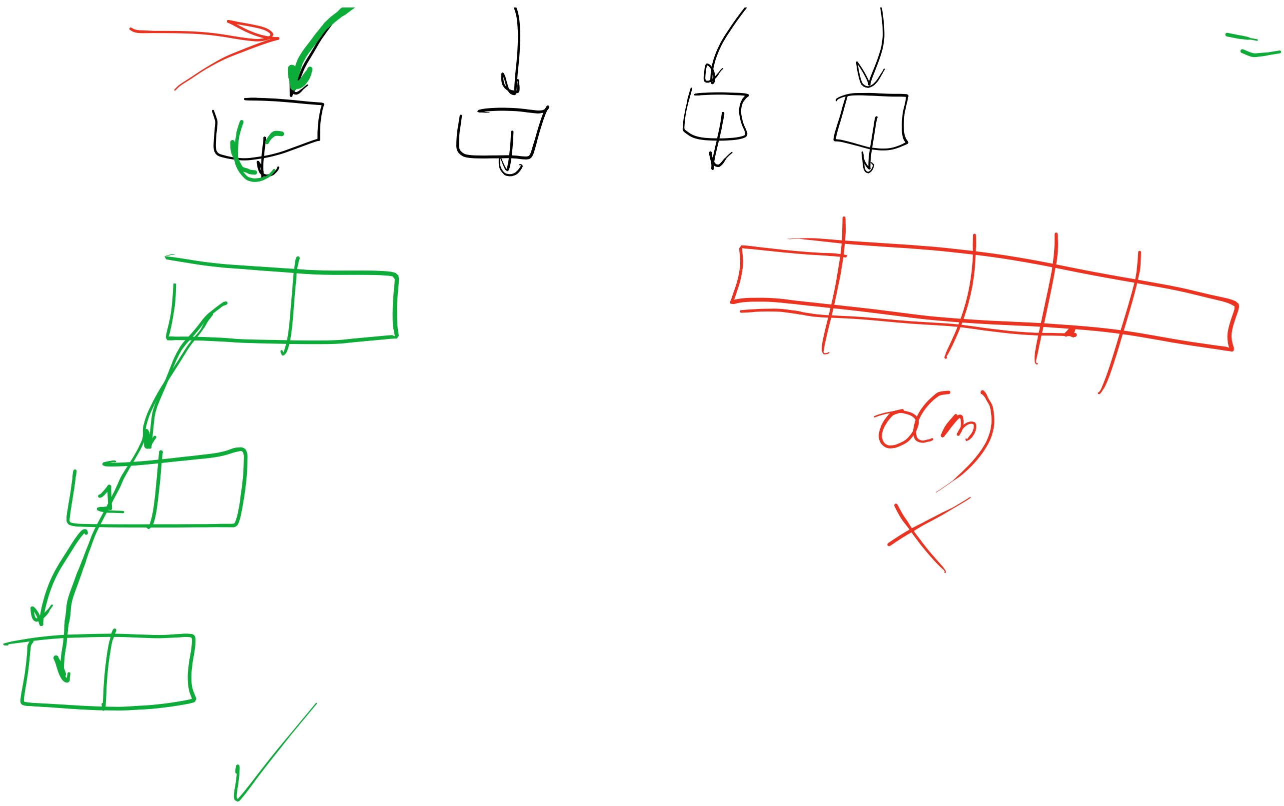
Precessor





B^+

< 5%


O(m)