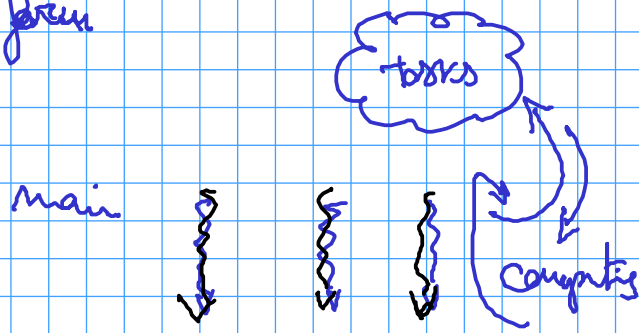


task from

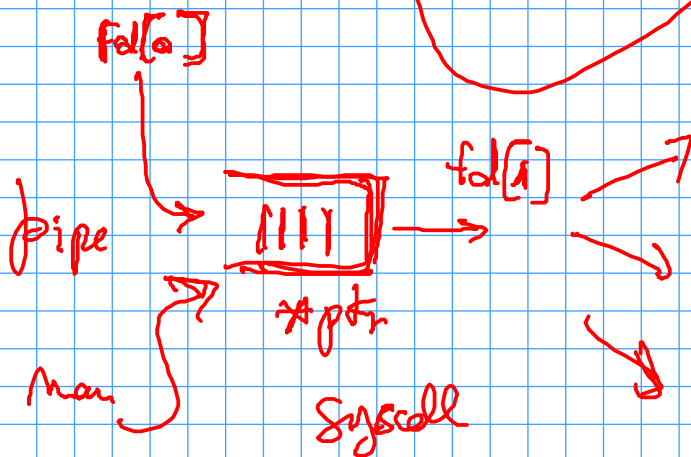
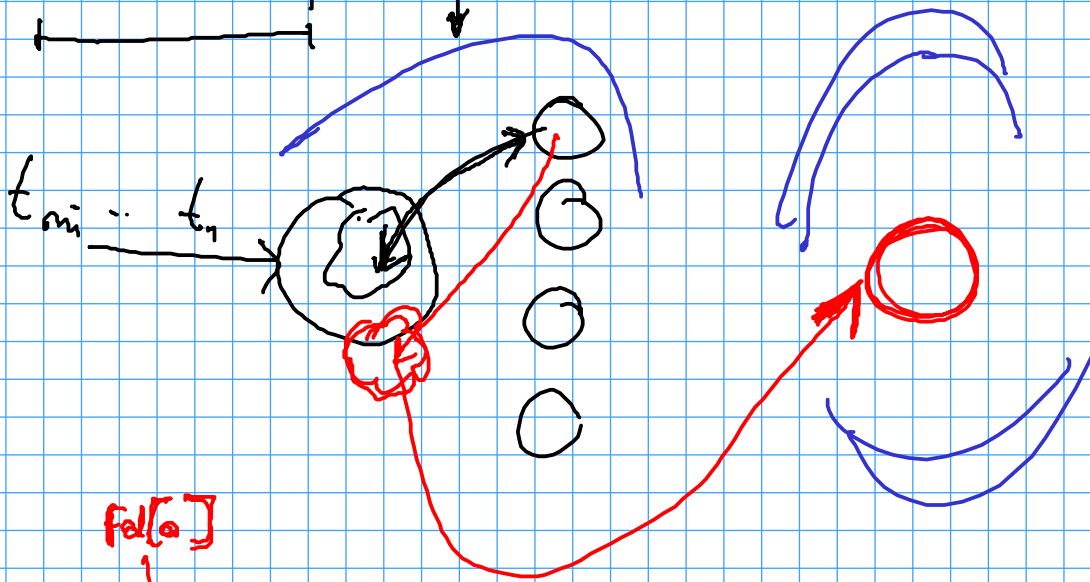
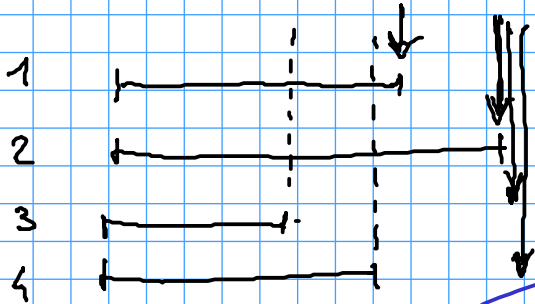


- 1) how to store the tasks
- 2) how create the threads
- 3) how to correctly access tasks

A) pthreads C

B) C++ (1n) threads

+ timing



```
template<T> class {  
  index  
  std::list<T> locks ;
```

```
  pop ( ) { lock — unlock }
```

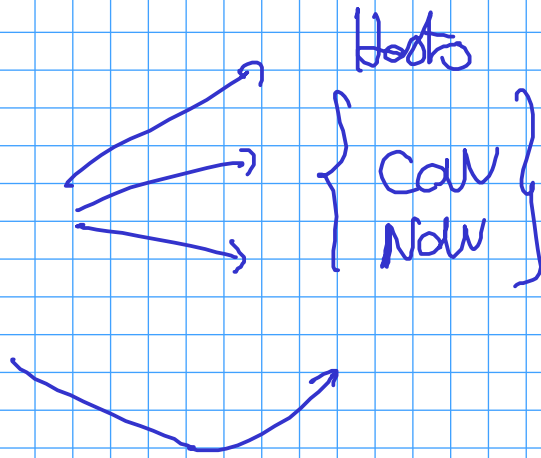
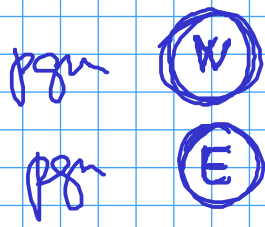
```
  push ( ) {
```

CI

SPSC

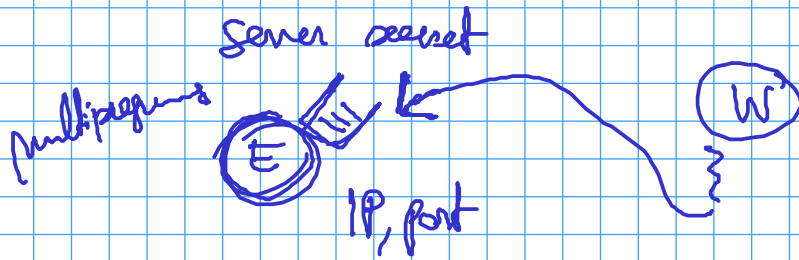
MPMC

Host
development
rechner



H1, H2, H3.

can
now



a.out ip . port

```
while ( s = accept( ) ) {  
    fork a thread ( s );  
}
```

> scp E.a.out H1:
> ssh H1 E a.out 23456 &

portno
23463
EADDRINUSE

H3
H2
H1
> scp W.a.out H2:
> ssh H2 W a.out H1 23463

MPi

mpich cc

→ a.out

mpifcum a.out

-mp 5 -fa ---

machfile

