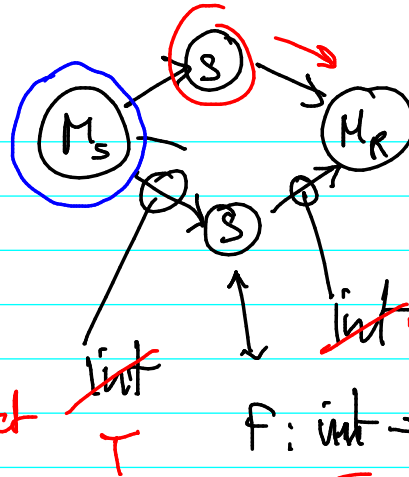
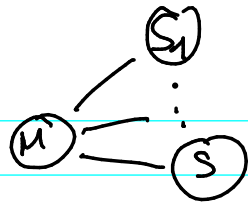


1



Socket ...

accept \longleftrightarrow connect

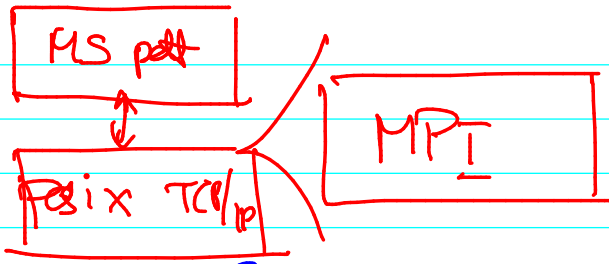
s { read \longleftarrow write
 write \longrightarrow read

~~int~~ T F: int \rightarrow int
~~int~~ T'

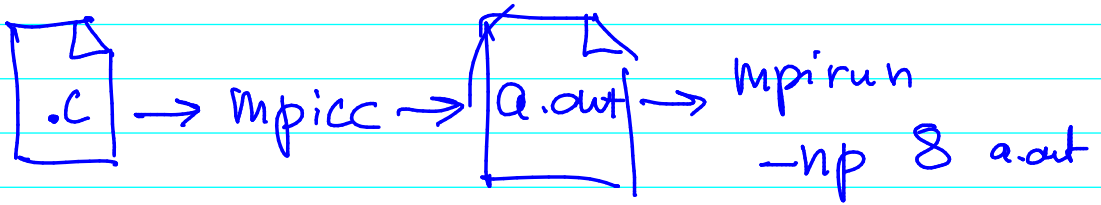
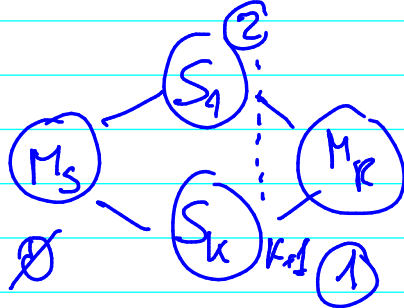
msg . type(...)

() EOS
 JAG MG

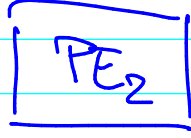
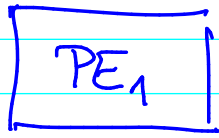
2



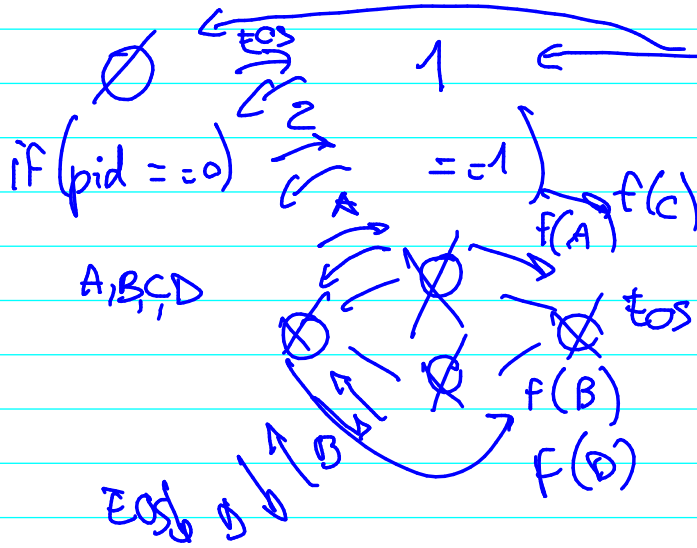
SPMD
Single
Program
Multiple
Data



mpirun -np 2 a.out

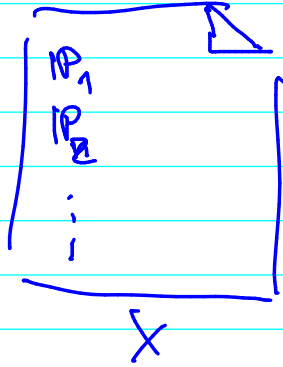


MPI_Init() ...
MPI_Comm_rank()



4

mpirun -np 8 -machinefile x



5

```
Skeleton darkeren = new Darken(...);  
Skeleton main = new Form(darkeren);  
InputStreamManager ism = new (filename)  
| Manager mgr = new Manager (.... main)
```

```
mgr.compute();
```

InputStream
OutputStream
Contract → ParDegree(int)