

FASTFLOW (UNiPi + UNiTO)

↳ STREAMING

↳ MULTICORES (SHARED MEMORY)

↳ EFFICIENCY (→ FINE GRAIN COMPUTATIONS)

SKELETONS

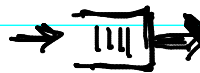
FARM
PIPELINE

FARM WITH
FEEDBACK

SPMC queues
MPSC

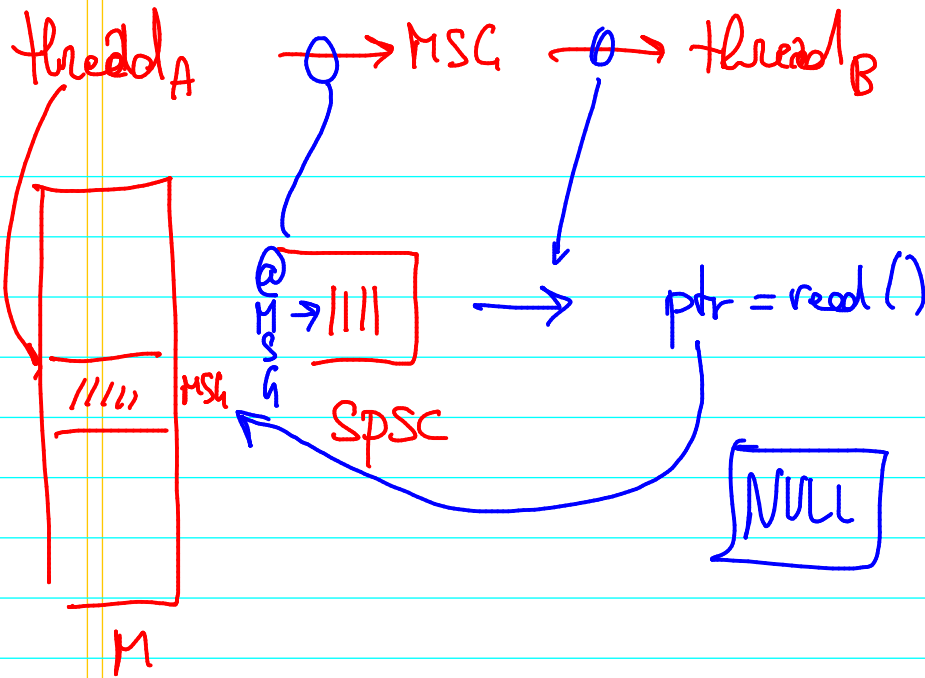
COMM. QUEUES

lock free & fence free
SPSC QUEUE



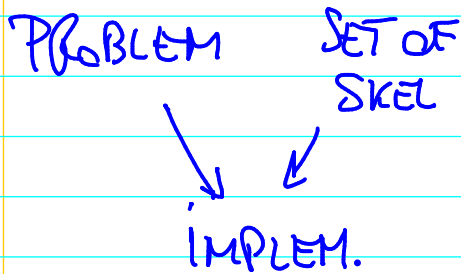
+ sync

HW (INTEL / AMD / POWER PC)

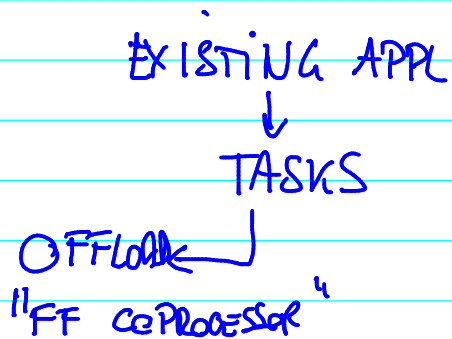


TWO USAGES

"CLASSICAL"



"ACCELERATOR"

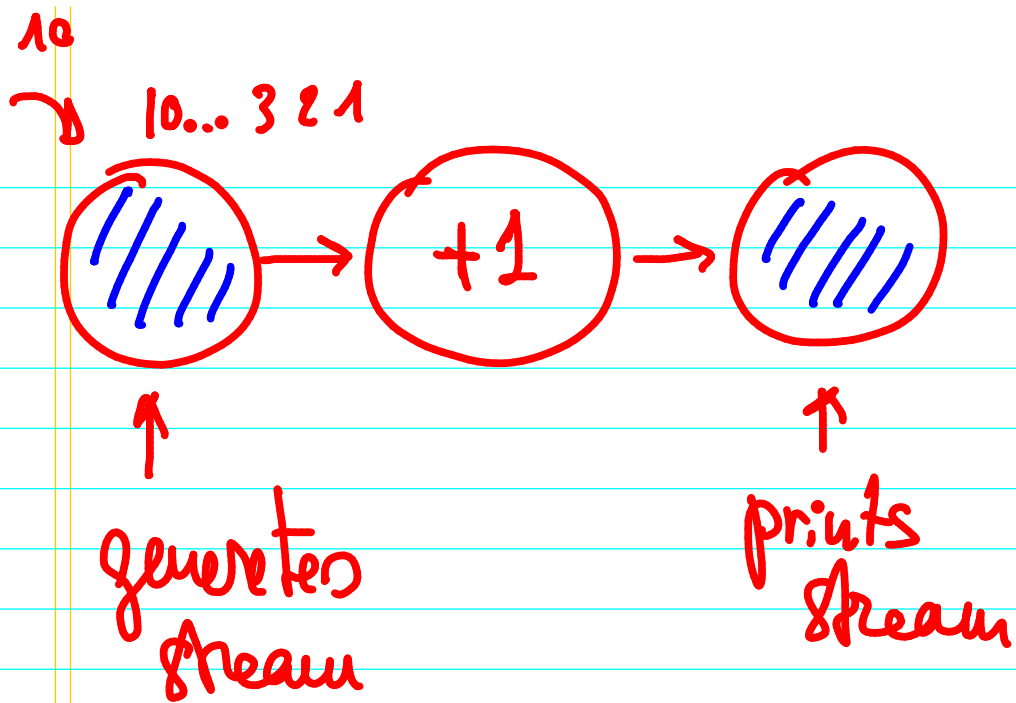


C++ template library (LGPL)

Compiles with standard tools

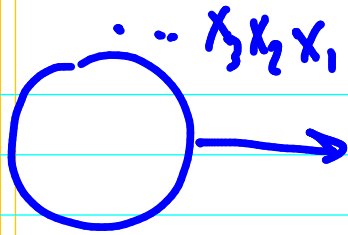
G++ (LINUX, MAC OS X)
VISUAL C++ (WINDOWS)

[FAST MEMORY ALLOCATOR
is PROVIDED
(malloc)



```

  (+1)  xx  :: ff_mode
        void * src (void * task)
        :
        return result
  }
  
```



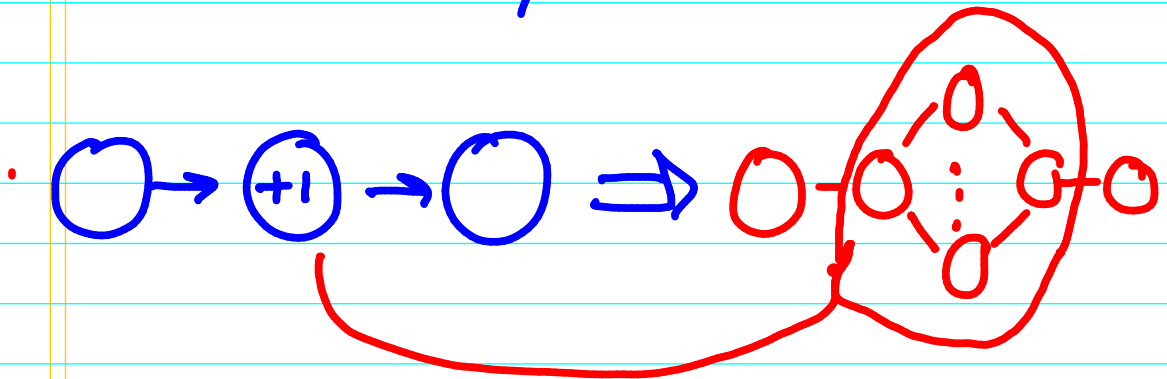
:: ff_mode

```
void * svc (void * term) {
```

```
    :  
    ff_send_out (xi)
```

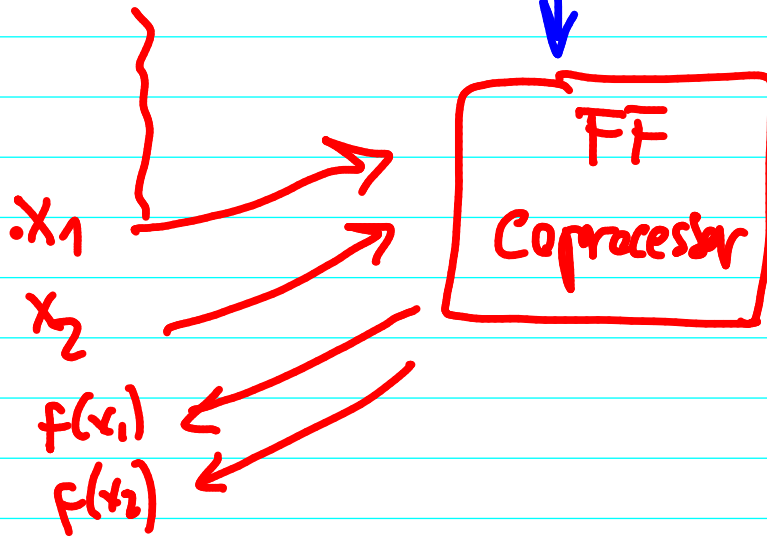
```
    ff_send_out (Eos);
```

```
    return (NULL);
```



PROGRAM

is programmed through skeletons



run & freeze

offload(x_1)

