

Resources

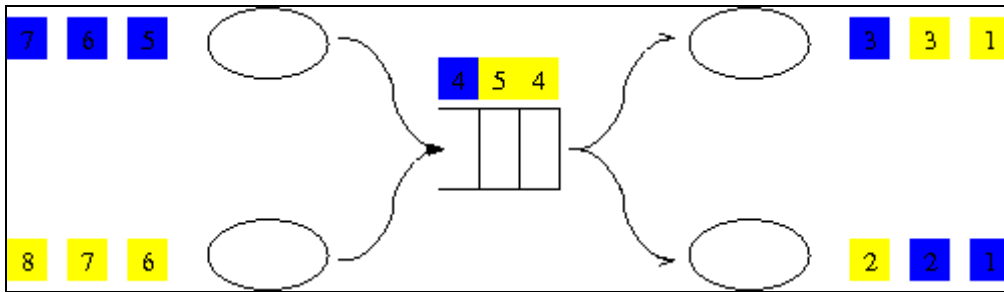
They are the resources used by [tasks](#) through [SrlApi](#).

Mwmr

multi reader fifos

Special kind of fifos where any number of producers and readers may be "connected". This fifos provides the following features:

- Transfers are done in indivisible blocks of contiguous data
- Read/Write? operations are done in packets of one or more blocks
- Blocks may be read/written in between of others, even in one write operation
- Blocks always arrive in order (even if not contiguous because of preceding point)



```
fifo1 = Mwmr("first_fifo",  
            4, # Width, in bytes, this is block size, must be multiple of 4  
            64) # Depth, in number of blocks
```

Associated ports:

- MwmrInput (*width*)
- MwmrOutput (*width*)

Lock

Simple mutex, implemented through [spin locks](#).

```
lock1 = Lock("first_lock")
```

Associated ports:

- LockPort ()

Barrier

Synchronization point between tasks. All tasks connected to a barrier must wait for it before going any further.

```
barr = Barrier("sync")
```

Associated ports:

- `BarrierPort ()`

Memspace

Shared (or not) memory declaration, may be used to have global memory space shared between tasks.

```
memsp = Memspace ("mem_name", 32768)
```

Associated ports:

- `MemspacePort (minimal_size)`

Const

Constant integer values.

```
cex = Const (1)
```

Associated ports:

- `ConstPort ()`