CSW 41 - Pedro Romano Splendore
Lab 5

Tabelas:

Thread Name	entry_function	stack size	priority	auto start	time slicing
thread 0	thread_0_entry	1024	1	yes	não
thread 1	thread_1_entry	1024	16	yes	4
thread 2	thread_2_entry	1024	16	yes	4
thread 3	thread_3_and_4_entry	1024	8	yes	não
thread 4	thread_3_and_4_entry	1024	8	yes	não
thread 5	thread_5_entry	1024	4	yes	não
thread 6	thread_6_and_7_entry	1024	8	yes	não
thread 7	thread_6_and_7_entry	1024	8	yes	não

Name	control structure	size	location
byte pool 0	byte pool 0	9120	byte pool memory
queue 0	queue 0	100	pointer
semaphore 0	semaphore 0	sizeof(TX_SEMAPHORE)	&semaphore_0
event flags 0	event flags 0	sizeof(TX_EVENT_ FLAGS_GROUP)	&event_flag_0
mutex 0	mutex 0	sizeof(TX_MUTEX)	&mutex_0
block pool 0	block pool 0	100	pointer

Diagrama:

```
                              ⚑
  ┌──────────────┐   SET               GET   ┌──────────────┐
  │  <<thread>>  │────────▶│⚑│◀────────      │  <<thread>>  │
  │   Thread 0   │                            │   Thread 5   │
  └──────────────┘                            └──────────────┘


  ┌──────────────┐   PUT    ┌─────────┬─┬─┐   GET   ┌──────────────┐
  │  <<thread>>  │────────▶ │         │ │ │◀──────  │  <<thread>>  │
  │   Thread 1   │          │         │ │ │         │   Thread 2   │
  └──────────────┘          └─────────┴─┴─┘         └──────────────┘
                                   ▲
                            ┌──────────────┐
                            │ Message ULONG │
                            └──────────────┘


  ┌──────────────┐                            ┌──────────────┐
  │  <<thread>>  │────────▶  🔒  ◀────────    │  <<thread>>  │
  │   Thread 3   │                            │   Thread 4   │
  └──────────────┘        SEMAPHORE           └──────────────┘


  ┌──────────────┐                            ┌──────────────┐
  │  <<thread>>  │────────▶  🔒  ◀────────    │  <<thread>>  │
  │   Thread 6   │                            │   Thread 7   │
  └──────────────┘          MUTEX             └──────────────┘
```