Aplicação Cliente/Servidor

usando MyRPC com *Pooling* em C

Invoker

```
static void process_req(struct req *req) {
      inst = service_get_instance(req->invoker->service);
      func = service_get_method(inst, method);
      if (func != NULL) {
          func(request, reply);
      service_release_instance(req->invoker->service, inst);
```

Service

```
struct service_instance *service_get_instance(struct service *const service) {
   pthread_mutex_lock(&service->instances_mutex);
  while (service->instances_count == 0)
       pthread_cond_wait(&service->instances_cond, &service->instances_mutex);
   uint 8 i = --service->instances count;
   struct service_instance *service_instance = service->instances[i];
   service->instances[i] = NULL;
   pthread_mutex_unlock(&service->instances_mutex);
   return service_instance;
void service_release_instance(struct service *const service, struct service_instance *const service_instance) {
   pthread_mutex_lock(&service->instances_mutex);
   service->instances[service->instances_count++] = service_instance;
   pthread_cond_signal(&service->instances_cond);
   pthread_mutex_unlock(&service->instances_mutex);
```

Avaliação comparativa de desempenho

