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## Exercise 2

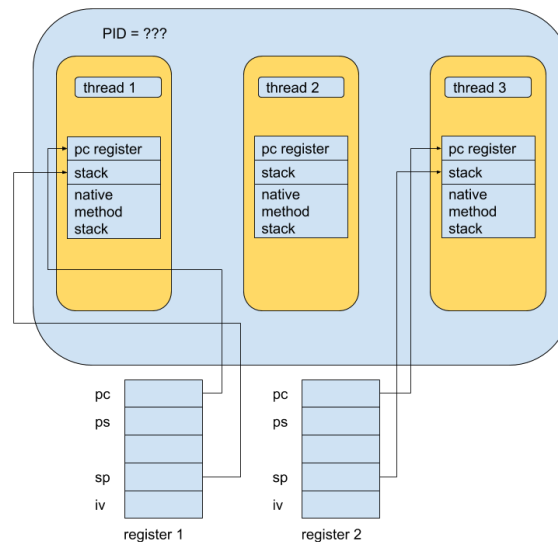


Figure 1: Thread memory model.

## Exercise 3

Is it possible to force each thread to wait on a certain message before continuing their execution. We can synchronize the thread using, for example, `pthread_cond_wait()`. If it is not possible to synchronize the thread, we can always hack the kernel scheduler and add our own algorithm...

## Exercise 4

The source code for both version is available in appendix.