

E02 - Synchronization with semaphores (lab 2.2)

Implement a concurrent program in C language, using Pthreads, which generates n threads th_A executing code A, and $2*n$ threads th_B executing code B.

The main thread takes argument n from the command line, and terminates without waiting the termination of the threads it has created.

Both threads simply print their corresponding character, followed by their order of creation number (from 0 to $n-1$ for th_A , from 0 to $2*n-1$ for th_B). After two Bs and an A characters have been printed, in whichever order, the last printing thread must print the '\n' character.

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Example: BBA 4
A1 B2 B3
B4 B5 A0
B1 A2 B0
A3 B7 B6
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