Readme

Contents of the mail:

program.c - source code
output.txt - output file
input.txt - input file

Procedure:

 Compile the program and run it using the commands : gcc program.c -lpthread ./a.out < input.txt

2. Inputs are taken from the file input.txt. Input format:

The first line is a number denoting total buffer size

Second line is a number denoting no of production rates (let it be n)

Next line has n numbers which are production rates

Next line is a number denoting no of consumption rates (let it be m)

Next line has m numbers which are consumption rates

3. Output is seen in the console, and also written into output.txt.

The output gives us a result from either of the 2 threads. Either the production function or the consumer function is run which is decided by semaphores. The order may vary every time the program is run.

Screenshots:

The program is run 3 times, each producing different results.



