Assignment 2

Description:

Program takes as input the Cars that reach a Narrow Bridge Controls which Car on each side of Bridge should Cross the Bridge.

Compilation:

Program uses the pthread.h library so the linker of the compiler (gcc) needs specific arguments to compile.
- -lpthread for pthread.h

Run make command in terminal to make executable file.
- First: compiles separately the file
  → bridge.c that uses pthread library and math library
- Creates a second file "bridge.o" which is "bridge.c"
- Creates an executable file "bridge"

Test Cases:

To test the program we are using the following files :
- input_1.txt
- input_2.txt
- input_3.txt
- input_4.txt

Execution:

The executable file takes as Arguments the number of Threads that should be used and the Test File we are checking.
So the command to execute the program is :

./bridge <max_capacity_of _Bridge> <test_file