Quiz 2

You are tasked with designing a program to manage multiple electric cables, each capable of carrying a maximum of 5 passengers. Suppose there are 3 electric cables and 30 passengers are waiting to get a lift. The electric cables are serving on First Come First Serve basis. You can suppose that all the passengers are waiting on start point of electric cables and each electric cable have separate route. It takes around 50 msec for each cable to finish the route.

Note: Only use semaphores and threads. Solutions provided out of these will be marked against zero.

To incorporate delay in C++, use the following function:

#include <chrono>

#include <thread>

std::this\_thread::sleep\_for(std::chrono::milliseconds(x));