1. Build and compile Gurobi manually

<http://www.gurobi.com/documentation/6.5/quickstart_mac/c_building_and_running_the.html>

$ gcc -m64 -g -o mip\_c\_run mip1\_c.c -I../../include/ -L../../lib/ -lgurobi65 -lm

2. At Desktop run following command to compile and built

gcc -m64 -g -o mip\_c\_run mip1\_c.c -I/opt/gurobi652/linux64/include -L/opt/gurobi652/linux64/lib -lgurobi65 -lm

3. Macos build and compile

gcc -m64 -g -o mip\_c\_run mip1\_c.c -I/Library/gurobi652/mac64/include -L/Library/gurobi652/mac64/lib -lgurobi65 -lm

After setup .bashrc and .bash\_profile

gcc -m64 -g -o mip\_c\_run mip1\_c.c -lgurobi65 -lm

4. After adding several search path into .bashrc file, the command will become very short, which could be

Build and compile: mpicc -m64 -g -o mip\_c\_run main.c -lgurobi65 -lm

Run : mpirun -n 4 mip\_c\_run

The several searching path are listed below.

11 #This is for Gurobi Optimization Installation

12 export GUROBI\_HOME="/Library/gurobi652/mac64"

13 export PATH="${PATH}:/Library/gurobi652/mac64/bin"

14 export LD\_LIBRARY\_PATH="${LD\_LIBRARY\_PATH}:/Library/gurobi652/mac64/lib"

15 export C\_INCLUDE\_PATH="${C\_INCLUDE\_PATH}:/Library/gurobi652/mac64/include"

16 export CPLUS\_INCLUDE\_PATH="${CPLUS\_INCLUDE\_PATH}:/Library/gurobi652/mac64/in clude"

**Compiling, linking, Makefile, header files**

<http://gribblelab.org/CBootcamp/12_Compiling_linking_Makefile_header_files.html>

// gcc -std=c99 -o go go.c neuron.c -lm  
  
#include <stdio.h>  
#include <stdlib.h>  
#include <string.h>  
#include "neuron.h"