**\_ .**

**\*include 'ns3/core-module.h"**

**\*include \*nsypoint.to-point-module.h\* \*include ns3/network-modble.h \*include'ns3/applications-module. \*includens3/mobilitmilaggle.h" \*include 'ns3/csma.module.h:**

**\*include 'ns3 lOnclude "ns3/yans-wifi-helper.h° \*include \*ns3Jssid.h1**

**// Default Network Topology**

**//**

**// Wifi 10.1.3.0**

**// AP**

**//**

**//MI 10.1.1.0**

**// n5 n6 n7 nO n1 n2 n3 n4**

**// point-to-pointIIII**

**// --------- —**

**// LAN** 16.1.2.0

**using nanespace ns3;**

**NS\_LOGCOMPONENT\_DEFINE ("TP3-WTFI");**

**int**

**main (int argc, char •argvID**

**bool verbose = true; uint32 \_t nCsna = 3; uint32** t **nWifi = 3; bool tracing = false;**

**CommandLine aid;**

**cmd.AddValue ('nCsna', 'Number of N'extra\" CSNA nodes/devices', nCsna); cmd.AddValue ("nWifi", 'Number of wifi STA devices", nWifi);**

**cmd.AddValue ('verbose', "Tell echo applications to log if true", verbose); cmd.AddValue ("tracing', "Enable pcap tracing', tracing);**

**cmd.Parse (argc,argv);**

**The underlying restriction of 18 Is due to the** gr:d p:5itIcT