https://drive.google.com/file/d/1FCjn-9fkR7tKeqClUpHsleaEdnoKRZzq/view?usp=sharing

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NS2
Important note :
Conditions for ns2 → A 'Linux OS' installed to a hard disk partition.
Both VirtualBox and wmWare have resulted in poor unusable 'ns' executable since 2017. No OK
results at all !

NS2
You can have as many ns-allinone-2.xx as you want, installed at the same time.
But : Do never add any *PATH text to .bashrc . Not required.

The executable 'ns' or "ns-<any-name>" is hard coded to know the location of it's libraries:
ns-allinone-2.35/{ lib/{libtcl*, tclConfig.sh, tcl8*/}, bin/tcsh8* }.

The old year ~1999 text ....
»» Please put .... ,,   IMPORTANT NOTICES: You MUST put .. ««
.. was meant only for a "University Computer" :
.. i.e. when you had no write permissions to /usr/local/.

This will usually do : $ cd ns-allinone-2.35/ns-2.35/ && sudo make install
* I.e. 'make install' will copy 'ns' to /usr/local/bin/, i.e. i.e. a system PATH.
* Or copy ns as ns-any-name to /usr/local/bin/.

Conclusion : The text about setting a *PATH should be ignored.

NAM
The updated ns-allinone-2.35_gcc5.tar.gz
https://drive.google.com/file/d/0B7S255p3kFXNVVlxR0ZNRGVORjQ/view?usp=sharing
... or ns-allinone-2.35_gcc482.tar.gz can create a usable 'nam'.
$ cd nam-1.15/ && sudo make install

Or use a binary package
https://www.linuxquestions.org/questions/linux-newbie-8/ns-stop-couldn%27t-execute-nam-per
mission-denied-while-executing-exec-nam-4175524760/#2

NS2 build example
tar xvf ns-allinone-2.35_gcc5.tar.gz
https://drive.google.com/file/d/0B7S255p3kFXNVVlxR0ZNRGVORjQ/view?usp=sharing&resour
cekey=0-EyPhoScBFDb7ul0VFk6FZQ
cd ns-allinone-2.35/
patch -p0 < ospf_ns235.patch

https://drive.google.com/file/d/0B7S255p3kFXNbjctSHF5TWduVFU/view?usp=sharing
export CC=gcc-4.8 CXX=g++-4.8 && ./install
cd ns-2.35/
cp ns ns235-ospf
sudo cp ns235-ospf /usr/local/bin/
----------- Simulation --------
cd tcl/ex/ospf/
ns235-ospf ospf0.tcl

—--

NS-2 analysis

If you want to know about e.g.
PacketDeliveryRatio, Delay, Throughput, Jitter, Energy, Overhead, Packets dropped, Hop count, Latency
... then please run the trace file.tr with the 240 ns2 scripts
https://drive.google.com/file/d/1uuVmyH8QPe4SRz2g1dnpfCIMvP26pCDj/view?usp=sharing
Ref. overview
https://drive.google.com/file/d/1ZDBvS3B9dsHkjoIdGhCvxxMHtO3selV5/view?usp=share_link

New trace format .... the simulation file has a line $ns use-newtrace
I.e.

set ns [new Simulator]
.
$ns use-newtrace

The most simulations are "old trace format"
https://nsnam.sourceforge.net/wiki/index.php/NS-2_Trace_Formats
.... and do not have the line $ns use-newtrace

My suggestion is to have simulations creating a trace file "old-trace.tr" , and another version.tcl creating "new.tr" to use the most possible number of the above listed analyzing awk and perl files.