In this folder we have two promela code,

This code for one domain, two switch cases.

To run the code

type

spin -a mobility\_one\_domain\_monolithic\_Isolation\_violation.pml

gcc -DVECTORSZ=35000 -DCOLLAPSE -o pan pan.c

./pan

It has an error to indicating the assertion violated at depth # (z==dev),

which indicate that Isolation violation happened in the verification of the mobility of devices cases.

We considered a fix to the bug called as local controller solution

and we verifyied it for the two switch one domain cases and the model is stored as

mobility\_scenario\_thai\_one\_domain\_with\_loc\_controller\_monolithic\_Isolation\_satisfied.pml

to run and see the Isolation property was satisfied type the following command in the terminal

spin -a mobility\_scenario\_thai\_one\_domain\_with\_loc\_controller\_monolithic\_Isolation\_satisfied.pml

gcc -DVECTORSZ=35000 -DCOLLAPSE -o pan pan.c

./pan

If you check the number of error is zero indicating that no such Isolation violation happened in the model.