--------------------------------Final-Project----------------------------------------------

Instruction for final (ATL->LAX)

Routing Approach

1.Time-Constrained Flooding

On receiver run: ./sp\_bflooder -p 8200 -v -P 2 -D 3 -k 0 -n 10000

On sender run: ./sp\_bflooder -p 8200 -s -v -P 2 -D 3 -k 0 -a 164.67.126.54 -n 10000 -R 5000

2.Targeted Redundancy

On receiver run: ./sp\_bflooder -p 8200 -v -P 2 -D 3 -k 6 -n 10000

On sender run: ./sp\_bflooder -p 8200 -s -v -P 2 -D 3 -k 6 -a 164.67.126.54 -n 10000 -R 5000

3.Dynamic Two Disjoint Paths

On receiver run: ./sp\_bflooder -p 8200 -v -P 2 -D 3 -k 2 -n 10000

On sender run: ./sp\_bflooder -p 8200 -s -v -P 2 -D 3 -k 2 -a 164.67.126.54 -n 10000 -R 5000

4.Static Two Disjoint Paths

(Set Reroute\_LossThreshold = 100)

On receiver run: ./sp\_bflooder -p 8200 -v -P 2 -D 3 -k 2 -n 10000

On sender run: ./sp\_bflooder -p 8200 -s -v -P 2 -D 3 -k 2 -a 164.67.126.54 -n 10000 -R 5000

5.Redundant Single Path

On receiver run: ./sp\_bflooder -p 8200 -v -P 2 -D 3 -k 1 -n 10000

On sender run: ./sp\_bflooder -p 8200 -s -v -P 2 -D 3 -k 1 -a 164.67.126.54 -n 10000 -R 5000

6.Single Path

(Set Reroute\_LossThreshold = 100)

On receiver run: ./sp\_bflooder -p 8200 -v -P 2 -D 3 -k 1 -n 10000

On sender run: ./sp\_bflooder -p 8200 -s -v -P 2 -D 3 -k 1 -a 164.67.126.54 -n 10000 -R 5000

--------------------------------Log info--------------------------------------------------

Node1(LAX) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm5-3.instageni.idre.ucla.edu

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Node3(DFW) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm3-1.instageni.utdallas.edu

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Node4(CHI) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm2-2.geni.uchicago.edu

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Node5(ATL) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm2-29.instageni.rnoc.gatech.edu

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Node7(NYC) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm5-26.genirack.nyu.edu

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Node8(WAS) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm2-22.instageni.washington.edu

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Node9(SJC) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm4-16.instageni.ucsd.edu

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Node10(DEN) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm1-2.instageni.utdallas.edu

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Node11(HKG) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm3-23.geni.case.edu

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Node12(JHU) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm3-11.instageni.washington.edu

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Node13(LON) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm2-4.geni.case.edu

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Node14(FRA) ：

ssh -i ~/.ssh/id\_geni\_ssh\_rsa zhc79@pcvm4-5.geni.case.edu

13-14 15 (8)

13-7 71 (36)

13-8 79 (40)

13-4 84 (42)

./setlink 1000000 8 0.2 0 192.171.20.120 192.171.20.122 192.171.20.122 8100

./setlink 1000000 8 0.2 0 192.171.20.122 192.171.20.120 192.171.20.120 8100

./setlink 1000000 36 0.2 0 192.171.20.120 192.86.139.76 192.86.139.76 8100

./setlink 1000000 36 0.2 0 192.86.139.76 192.171.20.120 192.171.20.120 8100

./setlink 1000000 40 0.2 0 192.171.20.120 128.95.190.58 128.95.190.58 8100

./setlink 1000000 40 0.2 0 128.95.190.58 192.171.20.120 192.171.20.120 8100

./setlink 1000000 42 0.2 0 192.171.20.120 192.170.230.100 192.170.230.100 8100

./setlink 1000000 42 0.2 0 192.170.230.100 192.171.20.120 192.171.20.120 8100

14-7 87 (44)

14-8 94 (47)

14-4 97 (49)

./setlink 1000000 44 0.2 0 192.171.20.122 192.86.139.76 192.86.139.76 8100

./setlink 1000000 44 0.2 0 192.86.139.76 192.171.20.122 192.171.20.122 8100

./setlink 1000000 47 0.2 0 192.171.20.122 128.95.190.58 128.95.190.58 8100

./setlink 1000000 47 0.2 0 128.95.190.58 192.171.20.122 192.171.20.122 8100

./setlink 1000000 49 0.2 0 192.171.20.122 192.170.230.100 192.170.230.100 8100

./setlink 1000000 49 0.2 0 192.170.230.100 192.171.20.122 192.171.20.122 8100

12-5 22 (11)

12-8 8 (4)

12-7 18 (9)

./setlink 1000000 11 0.2 0 128.95.190.59 143.215.216.198 143.215.216.198 8100

./setlink 1000000 11 0.2 0 143.215.216.198 128.95.190.59 128.95.190.59 8100

./setlink 1000000 4 0.2 0 128.95.190.59 128.95.190.58 128.95.190.58 8100

./setlink 1000000 4 0.2 0 128.95.190.58 128.95.190.59 128.95.190.59 8100

./setlink 1000000 9 0.2 0 128.95.190.59 192.86.139.76 192.86.139.76 8100

./setlink 1000000 9 0.2 0 192.86.139.76 128.95.190.59 128.95.190.59 8100

11-1 153 (77)

11-9 148 (74)

11-3 187 (94)

./setlink 1000000 77 0.2 0 192.171.20.121 164.67.126.54 164.67.126.54 8100

./setlink 1000000 77 0.2 0 164.67.126.54 192.171.20.121 192.171.20.121 8100

./setlink 1000000 74 0.2 0 192.171.20.121 137.110.252.78 137.110.252.78 8100

./setlink 1000000 74 0.2 0 137.110.252.78 192.171.20.121 192.171.20.121 8100

./setlink 1000000 94 0.2 0 192.171.20.121 129.110.253.42 129.110.253.42 8100

./setlink 1000000 94 0.2 0 129.110.253.42 192.171.20.121 192.171.20.121 8100

10-1 34 (17)

10-3 22 (11)

10-4 26 (13)

10-5 34 (17)

10-9 27 (14)

10-11 190 (95)

./setlink 1000000 17 0.2 0 129.110.253.41 164.67.126.54 164.67.126.54 8100

./setlink 1000000 17 0.2 0 164.67.126.54 129.110.253.41 129.110.253.41 8100

./setlink 1000000 11 0.2 0 129.110.253.41 129.110.253.42 129.110.253.42 8100

./setlink 1000000 11 0.2 0 129.110.253.42 129.110.253.41 129.110.253.41 8100

./setlink 1000000 13 0.2 0 129.110.253.41 192.170.230.100 192.170.230.100 8100

./setlink 1000000 13 0.2 0 192.170.230.100 129.110.253.41 129.110.253.41 8100

./setlink 1000000 17 0.2 0 129.110.253.41 143.215.216.198 143.215.216.198 8100

./setlink 1000000 17 0.2 0 143.215.216.198 129.110.253.41 129.110.253.41 8100

./setlink 1000000 14 0.2 0 129.110.253.41 137.110.252.78 137.110.252.78 8100

./setlink 1000000 14 0.2 0 137.110.252.78 129.110.253.41 129.110.253.41 8100

./setlink 1000000 95 0.2 0 129.110.253.41 192.171.20.121 192.171.20.121 8100

./setlink 1000000 95 0.2 0 192.171.20.121 129.110.253.41 129.110.253.41 8100

9-1 14 (7)

9-3 49 (25)

9-7 74 (37)

./setlink 1000000 7 0.2 0 137.110.252.78 164.67.126.54 164.67.126.54 8100

./setlink 1000000 7 0.2 0 164.67.126.54 137.110.252.78 137.110.252.78 8100

./setlink 1000000 25 0.2 0 137.110.252.78 129.110.253.42 129.110.253.42 8100

./setlink 1000000 25 0.2 0 129.110.253.42 137.110.252.78 137.110.252.78 8100

./setlink 1000000 37 0.2 0 137.110.252.78 192.86.139.76 192.86.139.76 8100

./setlink 1000000 37 0.2 0 192.86.139.76 137.110.252.78 137.110.252.78 8100