Listing 1: Example configuration file

# six global parameters

5 6 10 100 2000 15

0 dc02 1234 # nodeID hostName l i s t e nPo r t

1 dc03 1233

2 dc04 1233

3 dc05 1232

4 dc06 1233

1 4 # spac e de l imi t ed l i s t o f ne ighbor s f o r node 0

2 3 4 # spac e de l imi t ed l i s t o f ne ighbor s f o r node 1

0 1 3 # . . . node 2

0 4 # . . . node 3

1 3 # . . . node 4

4 Output Format

If the configuration file is named <config\_name>.txt and is configured to use n nodes, then your

program should output n output files, named in according to the following format:

<config\_name>-<node\_id>.out, where node\_id ∈ {0, ..., n − 1}.

The output file for process j should be named <config\_name>-j.out and should contain the

following: If your program took m snapshots, then each output file should contain m lines. The

ith line should contain the vector timestamp of the ith snapshot as seen by process j. Each line of

the output file should contain n space delimited tokens, each of which should be a non-negative

integer. In each line, the timestamps must appear in increasing order of process id. That is, the kth

number in the ith line should be the timestamp value for process k. An example file is described

below.

Listing 2: Example output file for 7 nodes

0 4 3 6 0 2 3

3 7 6 7 2 4 4

6 9 11 10 5 7 5

8 12 14 23 8 10 7

In this example, the first snapshot has vector clock value h0, 4, 3, 6, 0, 2, 3i; the value of node 0’s

clock is 0, and the value of mode 3’s clock is 6.