

Programming Assignment 2 Report

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1.

This program implements the distance vector routing protocol with poison reverse. It uses UDP to send the distance vector table to neighbor router.

2.

This program follows the input pattern:

“java DvrPr A 2000 configA.txt -p” or “java DvrPr A 2000 configA.txt”

3.

This program sends distance vector table to its neighbor every five seconds.

This program will print the solution at 58 seconds.

If some nodes died, program will print the new solution 1 minute later.

If some nodes increased their distance, program will print the new solution one minute after that.

This program can be terminated by “control-c”.

4.

Possible improvements:

- improve the efficiency of this program
- clean unnecessary code

5.

Unimplemented function:

- this program does not cover all the count to infinity problem.
- When cut some isolated node, the program does not work.