

Report

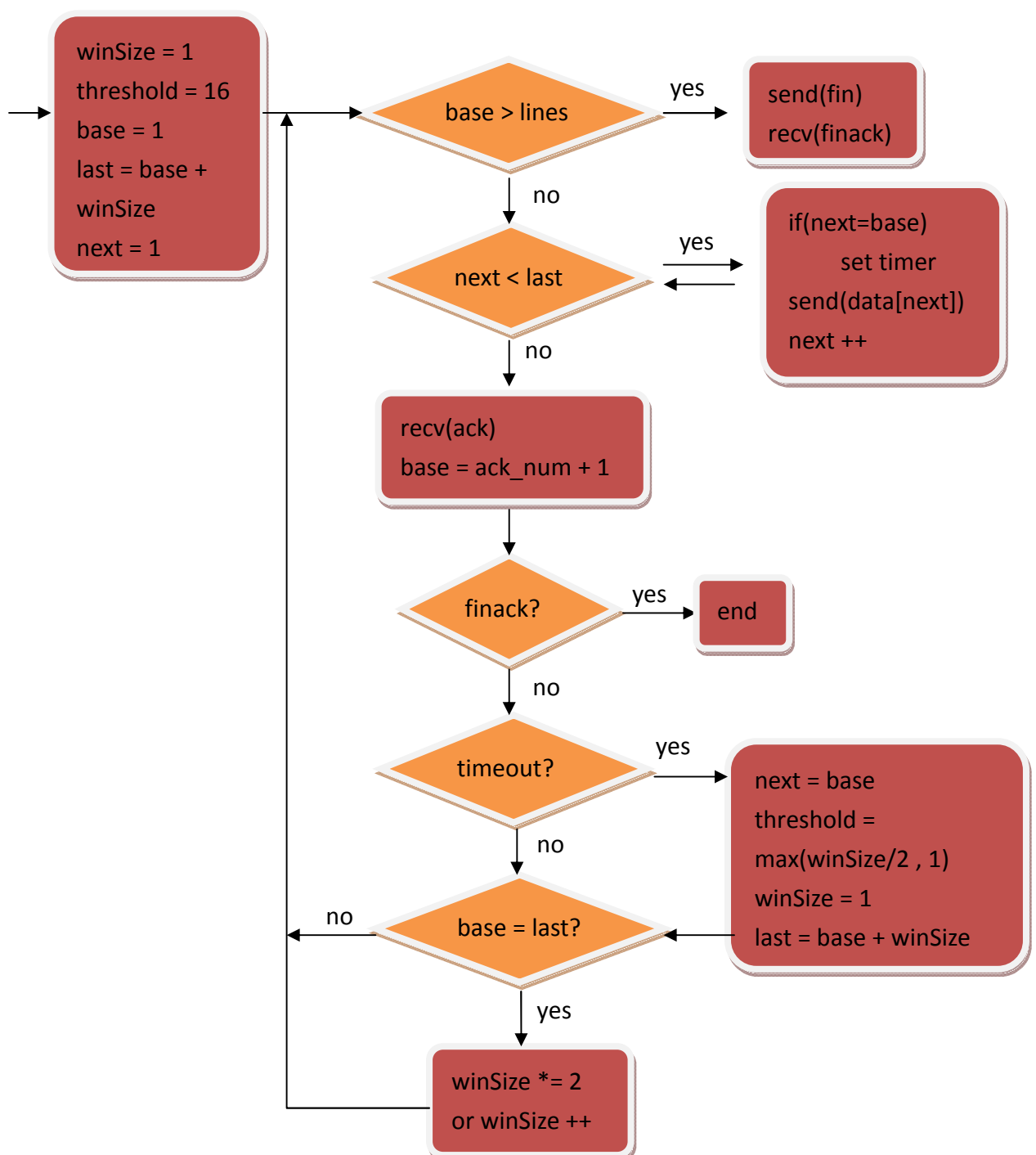
b04902027 資工三 陳昇

1. Execution

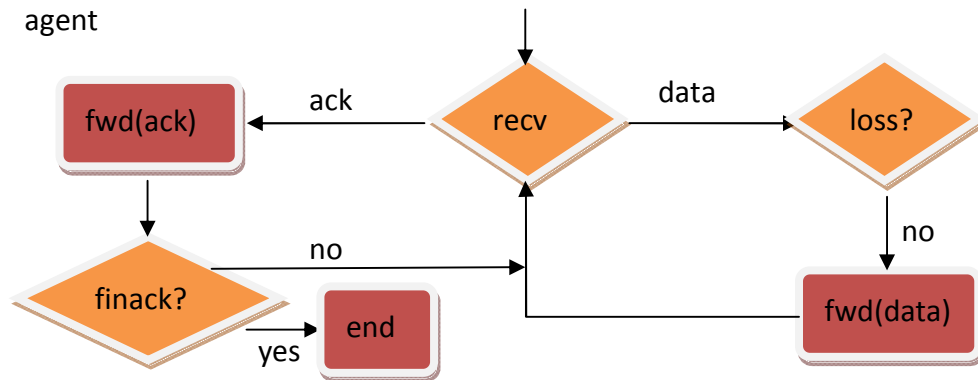
```
$ python2 sender.py  
$ python2 agent.py  
$ python2 receiver.py
```

2. Program structure

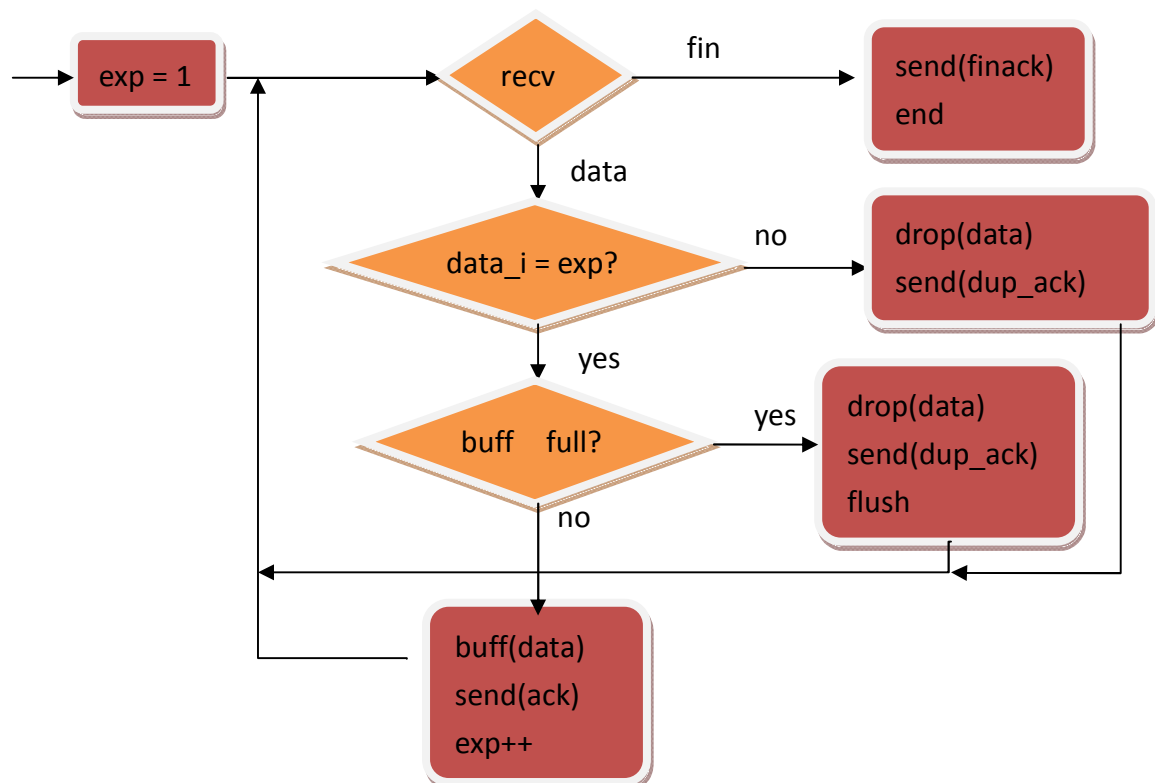
(1) sender



(2) agent



(3) receiver



3. Difficulties and Solutions

(1)

When implementing timeout, the process will be blocked at "recv" due to the fact that the socket is in blocking mode in default. It disables us to see whether it reaches the timeout or not. The solution is to change the socket into non-blocking mode, which helps us to get the right timing.

(2)

When implementing flush, the best way to make sure the tidiness of code is to packet the procedure into a function. By doing so, we have to be aware of every variable used in the function is set to be global.