

```
1 "C:\Program Files\Java\jdk-19\bin\java.exe" "-  
javaagent:C:\Users\ricka\OneDrive - Concordia  
University - Canada\Desktop\Winter 2023\Comp 249\  
IntelliJ Pro\IntelliJ IDEA 2022.3.2\lib\idea_rt.jar=63150:C:\Users\ricka\OneDrive - Concordia University  
- Canada\Desktop\Winter 2023\Comp 249\IntelliJ Pro\  
IntelliJ IDEA 2022.3.2\bin" -Dfile.encoding=UTF-8 -  
Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8  
-classpath "C:\Users\ricka\OneDrive - Concordia  
University - Canada\Desktop\Summer 2024\COMP 346\  
Assignments\A1\PA1-code\out\production\PA1-code"  
Driver  
2  
3 Activating the network ...  
4  
5 DEBUG : Network.run() - starting network thread  
6  
7 Initializing the server ...  
8  
9 Activating network components for server...  
10  
11 Inializing the Accounts database ...  
12  
13 DEBUG : Server.initializeAccounts() 71 accounts  
processed  
14  
15 Connecting server to network ...  
16  
17 DEBUG : Server.run() - starting server thread  
connected  
18  
19 Initializing client sending application ...  
20  
21 Activating network components for client...  
22  
23 Initializing the transactions ...  
24  
25 DEBUG : Client.readTransactions() - 71 transactions  
processed  
26  
27 Connecting client to network ...
```

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28
29  Initializing client receiving application ...
30
31  DEBUG : Client.run() - starting Sender Client thread
32
33  DEBUG : Client.run() - starting Client Receiver
            thread
34
35  DEBUG : Client.sendTransactions() - sending
            transaction on account 31718
36
37  DEBUG : Network.send() - index inputIndexClient 0
38
39  DEBUG : Network.send() - account number 31718
40
41  DEBUG : Client.sendTransactions() - sending
            transaction on account 11528
42
43  DEBUG : Network.send() - index inputIndexClient 1
44
45  DEBUG : Server.processTransactions() - transferring
            in account
46
47  DEBUG : Network.send() - account number 11528
48
49  DEBUG : Network.transferIn - account number 31718
50
51  DEBUG : Client.sendTransactions() - sending
            transaction on account 16783
52
53  DEBUG : Network.send() - index inputIndexClient 2
54
55  DEBUG : Network.transferIn() - index
            outputIndexServer 0
56
57  DEBUG : Network.send() - account number 16783
58
59  DEBUG : Network.transferIn() - account number 31718
60
61  DEBUG : Client.sendTransactions() - sending
            transaction on account 10538
```

```
62
63 DEBUG : Network.send() - index inputIndexClient 3
64
65 DEBUG : Network.send() - account number 10538
66
67 DEBUG : Client.sendTransactions() - sending
transaction on account 21015
68
69 DEBUG : Network.send() - index inputIndexClient 4
70
71 DEBUG : Network.send() - account number 21015
72
73 DEBUG : Client.sendTransactions() - sending
transaction on account 61326
74
75 DEBUG : Network.send() - index inputIndexClient 5
76
77 DEBUG : Network.send() - account number 61326
78
79 DEBUG : Client.sendTransactions() - sending
transaction on account 82465
80
81 DEBUG : Network.send() - index inputIndexClient 6
82
83 DEBUG : Network.send() - account number 82465
84
85 DEBUG : Client.sendTransactions() - sending
transaction on account 31816
86
87 DEBUG : Network.send() - index inputIndexClient 7
88
89 DEBUG : Network.send() - account number 31816
90
91 DEBUG : Client.sendTransactions() - sending
transaction on account 73745
92
93 DEBUG : Network.send() - index inputIndexClient 8
94
95 DEBUG : Network.send() - account number 73745
96
97 DEBUG : Client.sendTransactions() - sending
```

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97 transaction on account 81514
98
99 DEBUG : Network.send() - index inputIndexClient 9
100
101 DEBUG : Network.send() - account number 81514
102
103 DEBUG : Client.sendTransactions() - sending
transaction on account 71854
104
105 DEBUG : Network.send() - index inputIndexClient 0
106
107 DEBUG : Network.send() - account number 71854
108
109 DEBUG : Network.send() - inComingBuffer status full
110
111 DEBUG : Server.processTransactions() - Deposit of
90.0 in account 31718
112
113 DEBUG : Server.processTransactions() - transferring
out account 31718
114
115 DEBUG : Network.transferOut() - index
inputIndexServer 0
116
117 DEBUG : Network.transferOut() - account number
31718
118
119 DEBUG : Server.processTransactions() - transferring
in account 31718
120
121 DEBUG : Network.transferIn - account number 11528
122
123 DEBUG : Network.transferIn() - index
outputIndexServer 1
124
125 DEBUG : Network.transferIn() - account number 11528
126
127 DEBUG : Client.sendTransactions() - sending
transaction on account 92012
128
129 DEBUG : Network.send() - index inputIndexClient 1
```

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130
131 DEBUG : Network.send() - account number 92012
132
133 DEBUG : Network.send() - inComingBuffer status full
134
135 DEBUG : Network.receive() - index outputIndexClient
136          0
137
138 DEBUG : Server.processTransactions() - Withdrawal
139          of 500.0 from account 11528
140
141 DEBUG : Server.processTransactions() - transferring
142          out account 11528
143
144 DEBUG : Network.receive() - account number 31718
145
146 DEBUG : Network.transferOut() - index
147          inputIndexServer 1
148
149 DEBUG : Network.transferOut() - account number 11528
150
151 DEBUG : Server.processTransactions() - transferring
152          in account 11528
153
154 DEBUG : Network.transferIn - account number 16783
155
156 DEBUG : Network.receive() - outGoingBuffer status
157          empty
158
159 DEBUG : Network.transferIn() - index
160          outputIndexServer 2
161
162 DEBUG : Network.transferIn() - account number 16783
163
164 DEBUG : Server.processTransactions() - Withdrawal
165          of 20000.0 from account 16783
166
167 DEBUG : Server.processTransactions() - transferring
168          out account 16783
169
170 DEBUG : Network.receive() - account number 16783
```

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161 DEBUG : Network.transferOut() - index  
    inputIndexServer 2  
162  
163 DEBUG : Network.transferOut() - account number  
    16783  
164  
165 DEBUG : Server.processTransactions() - transferring  
    in account 16783  
166  
167 DEBUG : Network.transferIn - account number 10538  
168  
169 DEBUG : Network.transferIn() - index  
    outputIndexServer 3  
170  
171 DEBUG : Network.transferIn() - account number 10538  
172  
173 DEBUG : Server.processTransactions() - Deposit of  
    20000.0 in account 10538  
174  
175 DEBUG : Server.processTransactions() - transferring  
    out account 10538  
176  
177 DEBUG : Network.transferOut() - index  
    inputIndexServer 3  
178  
179 DEBUG : Network.transferOut() - account number  
    10538  
180  
181 DEBUG : Client.receiveTransactions() - receiving  
    updated transaction on account 31718  
182  
183 DEBUG : Client.sendTransactions() - sending  
    transaction on account 52853  
184  
185 DEBUG : Network.send() - index inputIndexClient 2  
186  
187 DEBUG : Server.processTransactions() - transferring  
    in account 10538  
188  
189 DEBUG : Network.transferIn - account number 21015  
190
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191 DEBUG : Network.transferIn() - index
           outputIndexServer 4
192
193 DEBUG : Network.transferIn() - account number 21015
194
195 DEBUG : Network.send() - account number 52853
196
197 DEBUG : Server.processTransactions() - Withdrawal
           of 25.0 from account 21015
198
199 DEBUG : Client.sendTransactions() - sending
           transaction on account 41714
200
201 DEBUG : Network.send() - index inputIndexClient 3
202
203 DEBUG : Network.send() - account number 41714
204
205 DEBUG : Client.sendTransactions() - sending
           transaction on account 58342
206
207 DEBUG : Network.send() - index inputIndexClient 4
208
209 DEBUG : Network.send() - account number 58342
210
211 DEBUG : Network.send() - inComingBuffer status full
212
213 DEBUG : Server.processTransactions() - transferring
           out account 21015
214
215 DEBUG : Network.transferOut() - index
           inputIndexServer 4
216
217 DEBUG : Network.transferOut() - account number
           21015
218
219 DEBUG : Server.processTransactions() - transferring
           in account 21015
220
221 DEBUG : Network.transferIn - account number 61326
222
223 DEBUG : Network.transferIn() - index
```

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223 outputIndexServer 5
224
225 DEBUG : Network.transferIn() - account number 61326
226
227 DEBUG : Client.sendTransactions() - sending
transaction on account 62080
228
229 DEBUG : Network.send() - index inputIndexClient 5
230
231 DEBUG : Network.send() - account number 62080
232
233 DEBUG : Network.send() - inComingBuffer status full
234
235 DEBUG : Server.processTransactions() - Obtaining
balance from account61326
236
237 DEBUG : Server.processTransactions() - transferring
out account 61326
238
239 DEBUG : Network.transferOut() - index
inputIndexServer 5
240
241 DEBUG : Network.transferOut() - account number
61326
242
243 DEBUG : Server.processTransactions() - transferring
in account 61326
244
245 DEBUG : Network.transferIn - account number 82465
246
247 DEBUG : Network.transferIn() - index
outputIndexServer 6
248
249 DEBUG : Network.transferIn() - account number 82465
250
251 DEBUG : Client.sendTransactions() - sending
transaction on account 21638
252
253 DEBUG : Server.processTransactions() - Deposit of
3000.0 in account 82465
254
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255 DEBUG : Server.processTransactions() - transferring
out account 82465
256
257 DEBUG : Network.send() - index inputIndexClient 6
258
259 DEBUG : Network.send() - account number 21638
260
261 DEBUG : Network.send() - inComingBuffer status full
262
263 DEBUG : Network.transferOut() - index
inputIndexServer 6
264
265 DEBUG : Network.transferOut() - account number
82465
266
267 DEBUG : Server.processTransactions() - transferring
in account 82465
268
269 DEBUG : Network.transferIn - account number 31816
270
271 DEBUG : Network.transferIn() - index
outputIndexServer 7
272
273 DEBUG : Network.transferIn() - account number 31816
274
275 DEBUG : Server.processTransactions() - Obtaining
balance from account31816
276
277 DEBUG : Server.processTransactions() - transferring
out account 31816
278
279 DEBUG : Client.sendTransactions() - sending
transaction on account 52726
280
281 DEBUG : Network.send() - index inputIndexClient 7
282
283 DEBUG : Network.send() - account number 52726
284
285 DEBUG : Network.send() - inComingBuffer status full
286
287 DEBUG : Network.transferOut() - index
```

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287 inputIndexServer 7
288
289 DEBUG : Network.transferOut() - account number
31816
290
291 DEBUG : Server.processTransactions() - transferring
in account 31816
292
293 DEBUG : Network.transferIn - account number 73745
294
295 DEBUG : Network.transferIn() - index
outputIndexServer 8
296
297 DEBUG : Network.transferIn() - account number 73745
298
299 DEBUG : Server.processTransactions() - Deposit of
25.0 in account 73745
300
301 DEBUG : Server.processTransactions() - transferring
out account 73745
302
303 DEBUG : Client.sendTransactions() - sending
transaction on account 91316
304
305 DEBUG : Network.send() - index inputIndexClient 8
306
307 DEBUG : Network.send() - account number 91316
308
309 DEBUG : Network.send() - inComingBuffer status full
310
311 DEBUG : Network.transferOut() - index
inputIndexServer 8
312
313 DEBUG : Network.transferOut() - account number
73745
314
315 DEBUG : Server.processTransactions() - transferring
in account 73745
316
317 DEBUG : Network.transferIn - account number 81514
318
```

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319 DEBUG : Network.transferIn() - index
           outputIndexServer 9
320
321 DEBUG : Network.transferIn() - account number 81514
322
323 DEBUG : Client.sendTransactions() - sending
           transaction on account 60520
324
325 DEBUG : Server.processTransactions() - Withdrawal
           of 1500.0 from account 81514
326
327 DEBUG : Server.processTransactions() - transferring
           out account 81514
328
329 DEBUG : Network.transferOut() - index
           inputIndexServer 9
330
331 DEBUG : Network.transferOut() - account number
           81514
332
333 DEBUG : Server.processTransactions() - transferring
           in account 81514
334
335 DEBUG : Network.transferIn - account number 71854
336
337 DEBUG : Network.transferIn() - index
           outputIndexServer 0
338
339 DEBUG : Network.transferIn() - account number 71854
340
341 DEBUG : Server.processTransactions() - Withdrawal
           of 5000.0 from account 71854
342
343 DEBUG : Server.processTransactions() - transferring
           out account 71854
344
345 DEBUG : Network.transferOut() - index
           inputIndexServer 0
346
347 DEBUG : Network.transferOut() - account number
           71854
```

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348
349 DEBUG : Network.send() - index inputIndexClient 9
350
351 DEBUG : Network.send() - account number 60520
352
353 DEBUG : Client.sendTransactions() - sending
transaction on account 23033
354
355 DEBUG : Network.send() - index inputIndexClient 0
356
357 DEBUG : Network.transferOut() - outGoingBuffer
status full
358
359 DEBUG : Server.processTransactions() - transferring
in account 71854
360
361 DEBUG : Network.transferIn - account number 92012
362
363 DEBUG : Network.transferIn() - index
outputIndexServer 1
364
365 DEBUG : Network.transferIn() - account number 92012
366
367 DEBUG : Server.processTransactions() - Deposit of
725.0 in account 92012
368
369 DEBUG : Network.send() - account number 23033
370
371 DEBUG : Client.sendTransactions() - sending
transaction on account 41911
372
373 DEBUG : Network.send() - index inputIndexClient 1
374
375 DEBUG : Network.send() - account number 41911
376
377 DEBUG : Network.send() - inComingBuffer status full
378
379 Account number 31718 Account Balance 100.0 Message
done
380
381 DEBUG : Network.receive() - index outputIndexClient
```

```
381 1
382
383 DEBUG : Network.receive() - account number 11528
384
385 DEBUG : Client.receiveTransactions() - receiving
            updated transaction on account 11528
386
387 DEBUG : Server.processTransactions() - transferring
            out account 92012
388
389 Account number 11528 Account Balance 500.0 Message
            done
390
391 DEBUG : Network.receive() - index outputIndexClient
            2
392
393 DEBUG : Network.receive() - account number 16783
394
395 DEBUG : Client.receiveTransactions() - receiving
            updated transaction on account 16783
396
397 DEBUG : Network.transferOut() - index
            inputIndexServer 1
398
399 DEBUG : Network.transferOut() - account number
            92012
400
401 Account number 16783 Account Balance 8000.0 Message
            done
402
403 DEBUG : Network.receive() - index outputIndexClient
            3
404
405 DEBUG : Server.processTransactions() - transferring
            in account 92012
406
407 DEBUG : Network.receive() - account number 10538
408
409 DEBUG : Network.transferIn - account number 52853
410
411 DEBUG : Network.transferIn() - index
```

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411 outputIndexServer 2
412
413 DEBUG : Network.transferIn() - account number 52853
414
415 DEBUG : Client.sendTransactions() - sending
transaction on account 39331
416
417 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 10538
418
419 DEBUG : Network.send() - index inputIndexClient 2
420
421 DEBUG : Network.send() - account number 39331
422
423 DEBUG : Network.send() - inComingBuffer status full
424
425 DEBUG : Server.processTransactions() - Obtaining
balance from account52853
426
427 DEBUG : Server.processTransactions() - transferring
out account 52853
428
429 DEBUG : Network.transferOut() - index
inputIndexServer 2
430
431 DEBUG : Network.transferOut() - account number
52853
432
433 DEBUG : Server.processTransactions() - transferring
in account 52853
434
435 Account number 10538 Account Balance 140000.0
Message done
436
437 DEBUG : Network.transferIn - account number 41714
438
439 DEBUG : Network.transferIn() - index
outputIndexServer 3
440
441 DEBUG : Network.transferIn() - account number 41714
442
```

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443 DEBUG : Client.sendTransactions() - sending
transaction on account 91312
444
445 DEBUG : Network.send() - index inputIndexClient 3
446
447 DEBUG : Network.send() - account number 91312
448
449 DEBUG : Network.receive() - index outputIndexClient
4
450
451 DEBUG : Network.receive() - account number 21015
452
453 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 21015
454
455 DEBUG : Server.processTransactions() - Deposit of
100.0 in account 41714
456
457 DEBUG : Server.processTransactions() - transferring
out account 41714
458
459 DEBUG : Network.send() - inComingBuffer status full
460
461 Account number 21015 Account Balance 100.0 Message
done
462
463 DEBUG : Network.transferOut() - index
inputIndexServer 3
464
465 DEBUG : Network.transferOut() - account number
41714
466
467 DEBUG : Server.processTransactions() - transferring
in account 41714
468
469 DEBUG : Network.transferIn - account number 58342
470
471 DEBUG : Network.receive() - index outputIndexClient
5
472
473 DEBUG : Network.receive() - account number 61326
```

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474
475 DEBUG : Network.transferIn() - index
        outputIndexServer 4
476
477 DEBUG : Network.transferIn() - account number 58342
478
479 DEBUG : Client.sendTransactions() - sending
        transaction on account 15307
480
481 DEBUG : Network.send() - index inputIndexClient 4
482
483 DEBUG : Network.send() - account number 15307
484
485 DEBUG : Network.send() - inComingBuffer status full
486
487 DEBUG : Client.receiveTransactions() - receiving
        updated transaction on account 61326
488
489 DEBUG : Server.processTransactions() - Withdrawal
        of 100.0 from account 58342
490
491 DEBUG : Server.processTransactions() - transferring
        out account 58342
492
493 DEBUG : Network.transferOut() - index
        inputIndexServer 4
494
495 DEBUG : Network.transferOut() - account number
        58342
496
497 DEBUG : Server.processTransactions() - transferring
        in account 58342
498
499 DEBUG : Network.transferIn - account number 62080
500
501 Account number 61326 Account Balance 1750.0 Message
        done
502
503 DEBUG : Network.receive() - index outputIndexClient
        6
504
```

```
505 DEBUG : Network.receive() - account number 82465
506
507 DEBUG : Network.transferIn() - index
           outputIndexServer 5
508
509 DEBUG : Network.transferIn() - account number 62080
510
511 DEBUG : Client.sendTransactions() - sending
           transaction on account 51728
512
513 DEBUG : Network.send() - index inputIndexClient 5
514
515 DEBUG : Network.send() - account number 51728
516
517 DEBUG : Network.send() - inComingBuffer status full
518
519 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 82465
520
521 DEBUG : Server.processTransactions() - Deposit of
           55.0 in account 62080
522
523 DEBUG : Server.processTransactions() - transferring
           out account 62080
524
525 Account number 82465 Account Balance 20000.0
      Message done
526
527 DEBUG : Network.receive() - index outputIndexClient
           7
528
529 DEBUG : Network.receive() - account number 31816
530
531 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 31816
532
533 DEBUG : Network.transferOut() - index
           inputIndexServer 5
534
535 DEBUG : Network.transferOut() - account number
           62080
```

```
536
537 DEBUG : Server.processTransactions() - transferring
      in account 62080
538
539 DEBUG : Network.transferIn - account number 21638
540
541 Account number 31816 Account Balance 20500.0
      Message done
542
543 DEBUG : Network.receive() - index outputIndexClient
      8
544
545 DEBUG : Network.receive() - account number 73745
546
547 DEBUG : Network.transferIn() - index
      outputIndexServer 6
548
549 DEBUG : Network.transferIn() - account number 21638
550
551 DEBUG : Client.sendTransactions() - sending
      transaction on account 43902
552
553 DEBUG : Network.send() - index inputIndexClient 6
554
555 DEBUG : Network.send() - account number 43902
556
557 DEBUG : Network.send() - inComingBuffer status full
558
559 DEBUG : Server.processTransactions() - Withdrawal
      of 1000.0 from account 21638
560
561 DEBUG : Server.processTransactions() - transferring
      out account 21638
562
563 DEBUG : Client.receiveTransactions() - receiving
      updated transaction on account 73745
564
565 DEBUG : Network.transferOut() - index
      inputIndexServer 6
566
567 DEBUG : Network.transferOut() - account number
```

```
567 21638
568
569 DEBUG : Server.processTransactions() - transferring
      in account 21638
570
571 Account number 73745 Account Balance 100.0 Message
      done
572
573 DEBUG : Network.receive() - index outputIndexClient
      9
574
575 DEBUG : Network.receive() - account number 81514
576
577 DEBUG : Client.receiveTransactions() - receiving
      updated transaction on account 81514
578
579 DEBUG : Network.transferIn - account number 52726
580
581 DEBUG : Network.transferIn() - index
      outputIndexServer 7
582
583 DEBUG : Network.transferIn() - account number 52726
584
585 Account number 81514 Account Balance -200.0 Message
      done
586
587 DEBUG : Client.sendTransactions() - sending
      transaction on account 52521
588
589 DEBUG : Network.send() - index inputIndexClient 7
590
591 DEBUG : Network.send() - account number 52521
592
593 DEBUG : Network.send() - inComingBuffer status full
594
595 DEBUG : Server.processTransactions() - Withdrawal
      of 5000.0 from account 52726
596
597 DEBUG : Server.processTransactions() - transferring
      out account 52726
598
```

```
599 DEBUG : Network.transferOut() - index  
    inputIndexServer 7  
600  
601 DEBUG : Network.transferOut() - account number  
    52726  
602  
603 DEBUG : Server.processTransactions() - transferring  
    in account 52726  
604  
605 DEBUG : Network.transferIn - account number 91316  
606  
607 DEBUG : Network.transferIn() - index  
    outputIndexServer 8  
608  
609 DEBUG : Network.transferIn() - account number 91316  
610  
611 DEBUG : Server.processTransactions() - Obtaining  
    balance from account91316  
612  
613 DEBUG : Network.receive() - index outputIndexClient  
    0  
614  
615 DEBUG : Network.receive() - account number 71854  
616  
617 DEBUG : Client.receiveTransactions() - receiving  
    updated transaction on account 71854  
618  
619 Account number 71854 Account Balance 10000.0  
    Message done  
620  
621 DEBUG : Network.receive() - index outputIndexClient  
    1  
622  
623 DEBUG : Network.receive() - account number 92012  
624  
625 DEBUG : Server.processTransactions() - transferring  
    out account 91316  
626  
627 DEBUG : Network.transferOut() - index  
    inputIndexServer 8  
628
```

```
629 DEBUG : Network.transferOut() - account number
91316
630
631 DEBUG : Client.sendTransactions() - sending
transaction on account 31215
632
633 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 92012
634
635 DEBUG : Server.processTransactions() - transferring
in account 91316
636
637 DEBUG : Network.transferIn - account number 60520
638
639 DEBUG : Network.send() - index inputIndexClient 8
640
641 DEBUG : Network.send() - account number 31215
642
643 DEBUG : Network.send() - inComingBuffer status full
644
645 Account number 92012 Account Balance 750.0 Message
done
646
647 DEBUG : Network.receive() - index outputIndexClient
2
648
649 DEBUG : Network.transferIn() - index
outputIndexServer 9
650
651 DEBUG : Network.transferIn() - account number 60520
652
653 DEBUG : Client.sendTransactions() - sending
transaction on account 22310
654
655 DEBUG : Network.send() - index inputIndexClient 9
656
657 DEBUG : Network.send() - account number 22310
658
659 DEBUG : Network.send() - inComingBuffer status full
660
661 DEBUG : Network.receive() - account number 52853
```

```
662
663 DEBUG : Client.receiveTransactions() - receiving
       updated transaction on account 52853
664
665 DEBUG : Server.processTransactions() - Deposit of
       1035.0 in account 60520
666
667 DEBUG : Server.processTransactions() - transferring
       out account 60520
668
669 Account number 52853 Account Balance 1000.0 Message
       done
670
671 DEBUG : Network.transferOut() - index
       inputIndexServer 9
672
673 DEBUG : Network.transferOut() - account number
       60520
674
675 DEBUG : Server.processTransactions() - transferring
       in account 60520
676
677 DEBUG : Network.transferIn - account number 23033
678
679 DEBUG : Network.transferIn() - index
       outputIndexServer 0
680
681 DEBUG : Network.transferIn() - account number 23033
682
683 DEBUG : Network.receive() - index outputIndexClient
       3
684
685 DEBUG : Network.receive() - account number 41714
686
687 DEBUG : Client.receiveTransactions() - receiving
       updated transaction on account 41714
688
689 DEBUG : Client.sendTransactions() - sending
       transaction on account 26734
690
691 DEBUG : Network.send() - index inputIndexClient 0
```

```
692
693 DEBUG : Network.send() - account number 26734
694
695 DEBUG : Network.send() - inComingBuffer status full
696
697 DEBUG : Server.processTransactions() - Withdrawal
   of 10000.0 from account 23033
698
699 DEBUG : Server.processTransactions() - transferring
   out account 23033
700
701 DEBUG : Network.transferOut() - index
   inputIndexServer 0
702
703 DEBUG : Network.transferOut() - account number
   23033
704
705 Account number 41714 Account Balance 1100.0 Message
   done
706
707 DEBUG : Network.receive() - index outputIndexClient
   4
708
709 DEBUG : Network.receive() - account number 58342
710
711 DEBUG : Server.processTransactions() - transferring
   in account 23033
712
713 DEBUG : Network.transferIn - account number 41911
714
715 DEBUG : Network.transferIn() - index
   outputIndexServer 1
716
717 DEBUG : Network.transferIn() - account number 41911
718
719 DEBUG : Client.sendTransactions() - sending
   transaction on account 41024
720
721 DEBUG : Network.send() - index inputIndexClient 1
722
723 DEBUG : Network.send() - account number 41024
```

```
724
725 DEBUG : Network.send() - inComingBuffer status full
726
727 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 58342
728
729 DEBUG : Server.processTransactions() - Deposit of
    220.0 in account 41911
730
731 DEBUG : Server.processTransactions() - transferring
    out account 41911
732
733 DEBUG : Network.transferOut() - index
    inputIndexServer 1
734
735 DEBUG : Network.transferOut() - account number
    41911
736
737 DEBUG : Server.processTransactions() - transferring
    in account 41911
738
739 DEBUG : Network.transferIn - account number 39331
740
741 Account number 58342 Account Balance 0.0 Message
    done
742
743 DEBUG : Network.transferIn() - index
    outputIndexServer 2
744
745 DEBUG : Network.transferIn() - account number 39331
746
747 DEBUG : Client.sendTransactions() - sending
    transaction on account 38421
748
749 DEBUG : Network.send() - index inputIndexClient 2
750
751 DEBUG : Network.send() - account number 38421
752
753 DEBUG : Network.send() - inComingBuffer status full
754
755 DEBUG : Network.receive() - index outputIndexClient
```

```
755 5
756
757 DEBUG : Network.receive() - account number 62080
758
759 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 62080
760
761 DEBUG : Server.processTransactions() - Withdrawal
    of 10.0 from account 39331
762
763 DEBUG : Server.processTransactions() - transferring
    out account 39331
764
765 Account number 62080 Account Balance 100.0 Message
done
766
767 DEBUG : Network.receive() - index outputIndexClient
    6
768
769 DEBUG : Network.transferOut() - index
    inputIndexServer 2
770
771 DEBUG : Network.transferOut() - account number
    39331
772
773 DEBUG : Network.receive() - account number 21638
774
775 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 21638
776
777 DEBUG : Server.processTransactions() - transferring
    in account 39331
778
779 DEBUG : Network.transferIn - account number 91312
780
781 Account number 21638 Account Balance -1000.0
Message done
782
783 DEBUG : Network.receive() - index outputIndexClient
    7
784
```

```
785 DEBUG : Network.receive() - account number 52726
786
787 DEBUG : Network.transferIn() - index
    outputIndexServer 3
788
789 DEBUG : Network.transferIn() - account number 91312
790
791 DEBUG : Client.sendTransactions() - sending
    transaction on account 70321
792
793 DEBUG : Network.send() - index inputIndexClient 3
794
795 DEBUG : Network.send() - account number 70321
796
797 DEBUG : Network.send() - inComingBuffer status full
798
799 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 52726
800
801 DEBUG : Server.processTransactions() - Withdrawal
    of 1850.0 from account 91312
802
803 DEBUG : Server.processTransactions() - transferring
    out account 91312
804
805 DEBUG : Network.transferOut() - index
    inputIndexServer 3
806
807 DEBUG : Network.transferOut() - account number
    91312
808
809 DEBUG : Server.processTransactions() - transferring
    in account 91312
810
811 DEBUG : Network.transferIn - account number 15307
812
813 Account number 52726 Account Balance 33000.0
    Message done
814
815 DEBUG : Network.receive() - index outputIndexClient
    8
```

```
816
817 DEBUG : Network.receive() - account number 91316
818
819 DEBUG : Network.transferIn() - index
820           outputIndexServer 4
821 DEBUG : Network.transferIn() - account number 15307
822
823 DEBUG : Client.sendTransactions() - sending
824           transaction on account 12421
825 DEBUG : Network.send() - index inputIndexClient 4
826
827 DEBUG : Network.send() - account number 12421
828
829 DEBUG : Network.send() - inComingBuffer status full
830
831 DEBUG : Client.receiveTransactions() - receiving
832           updated transaction on account 91316
833 DEBUG : Server.processTransactions() - Deposit of
834           250.0 in account 15307
835 DEBUG : Server.processTransactions() - transferring
836           out account 15307
837 Account number 91316 Account Balance 65000.0
838           Message done
839 DEBUG : Network.transferOut() - index
840           inputIndexServer 4
841 DEBUG : Network.transferOut() - account number
842           15307
843 DEBUG : Server.processTransactions() - transferring
844           in account 15307
845 DEBUG : Network.receive() - index outputIndexClient
846           9
```

```
847 DEBUG : Network.receive() - account number 60520
848
849 DEBUG : Client.receiveTransactions() - receiving
     updated transaction on account 60520
850
851 DEBUG : Network.transferIn - account number 51728
852
853 DEBUG : Network.transferIn() - index
     outputIndexServer 5
854
855 DEBUG : Network.transferIn() - account number 51728
856
857 DEBUG : Client.sendTransactions() - sending
     transaction on account 82411
858
859 Account number 60520 Account Balance 1100.0 Message
     done
860
861 DEBUG : Server.processTransactions() - Withdrawal
     of 800.0 from account 51728
862
863 DEBUG : Server.processTransactions() - transferring
     out account 51728
864
865 DEBUG : Network.transferOut() - index
     inputIndexServer 5
866
867 DEBUG : Network.transferOut() - account number
     51728
868
869 DEBUG : Server.processTransactions() - transferring
     in account 51728
870
871 DEBUG : Network.transferIn - account number 43902
872
873 DEBUG : Network.transferIn() - index
     outputIndexServer 6
874
875 DEBUG : Network.send() - index inputIndexClient 5
876
877 DEBUG : Network.send() - account number 82411
```

```
878
879 DEBUG : Network.send() - inComingBuffer status full
880
881 DEBUG : Network.receive() - index outputIndexClient
882 0
883 DEBUG : Network.receive() - account number 23033
884
885 DEBUG : Client.receiveTransactions() - receiving
886 updated transaction on account 23033
887 DEBUG : Network.transferIn() - account number 43902
888
889 DEBUG : Client.sendTransactions() - sending
890 transaction on account 21117
891 DEBUG : Network.send() - index inputIndexClient 6
892
893 DEBUG : Network.send() - account number 21117
894
895 DEBUG : Network.send() - inComingBuffer status full
896
897 Account number 23033 Account Balance 30000.0
898 Message done
899 DEBUG : Server.processTransactions() - Withdrawal
900 of 100.0 from account 43902
901 DEBUG : Server.processTransactions() - transferring
902 out account 43902
903 DEBUG : Network.transferOut() - index
904 inputIndexServer 6
905 DEBUG : Network.transferOut() - account number
906 43902
907 DEBUG : Network.receive() - index outputIndexClient
908 1
909 DEBUG : Network.receive() - account number 41911
```

```
910
911 DEBUG : Client.receiveTransactions() - receiving
912 updated transaction on account 41911
913 DEBUG : Server.processTransactions() - transferring
914 in account 43902
915 DEBUG : Network.transferIn - account number 52521
916
917 Account number 41911 Account Balance 1500.0 Message
918 done
919 DEBUG : Network.receive() - index outputIndexClient
920 2
921 DEBUG : Network.receive() - account number 39331
922
923 DEBUG : Client.receiveTransactions() - receiving
924 updated transaction on account 39331
925 Account number 39331 Account Balance 0.0 Message
926 done
927 DEBUG : Network.receive() - index outputIndexClient
928 3
929 DEBUG : Network.receive() - account number 91312
930
931 DEBUG : Network.transferIn() - index
932 outputIndexServer 7
933 DEBUG : Client.receiveTransactions() - receiving
934 updated transaction on account 91312
935 DEBUG : Network.transferIn() - account number 52521
936
937 Account number 91312 Account Balance 1000.0 Message
938 done
939 DEBUG : Network.receive() - index outputIndexClient
940 4
```

```
940
941 DEBUG : Network.receive() - account number 15307
942
943 DEBUG : Client.sendTransactions() - sending
transaction on account 00925
944
945 DEBUG : Server.processTransactions() - Deposit of
1800.0 in account 52521
946
947 DEBUG : Server.processTransactions() - transferring
out account 52521
948
949 DEBUG : Network.transferOut() - index
inputIndexServer 7
950
951 DEBUG : Network.transferOut() - account number
52521
952
953 DEBUG : Server.processTransactions() - transferring
in account 52521
954
955 DEBUG : Network.transferIn - account number 31215
956
957 DEBUG : Network.transferIn() - index
outputIndexServer 8
958
959 DEBUG : Network.transferIn() - account number 31215
960
961 DEBUG : Server.processTransactions() - Obtaining
balance from account31215
962
963 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 15307
964
965 DEBUG : Network.send() - index inputIndexClient 7
966
967 DEBUG : Network.send() - account number 00925
968
969 DEBUG : Client.sendTransactions() - sending
transaction on account 31820
970
```

```
971 DEBUG : Network.send() - index inputIndexClient 8
972
973 DEBUG : Network.send() - account number 31820
974
975 DEBUG : Network.send() - inComingBuffer status
976 full
977 DEBUG : Server.processTransactions() -
978 transferring out account 31215
979 DEBUG : Network.transferOut() - index
980 inputIndexServer 8
981 DEBUG : Network.transferOut() - account number
982 31215
983 DEBUG : Server.processTransactions() -
984 transferring in account 31215
985 DEBUG : Network.transferIn - account number 22310
986
987 DEBUG : Network.transferIn() - index
988 outputIndexServer 9
989 DEBUG : Network.transferIn() - account number
990 22310
991 Account number 15307 Account Balance 300.0 Message
992 done
993 DEBUG : Server.processTransactions() - Deposit of
994 80.0 in account 22310
995 DEBUG : Server.processTransactions() -
996 transferring out account 22310
997 DEBUG : Client.sendTransactions() - sending
998 transaction on account 91715
999 DEBUG : Network.receive() - index
outputIndexClient 5
```

```
1000
1001 DEBUG : Network.receive() - account number 51728
1002
1003 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 51728
1004
1005 DEBUG : Network.transferOut() - index
    inputIndexServer 9
1006
1007 DEBUG : Network.transferOut() - account number
    22310
1008
1009 DEBUG : Server.processTransactions() -
    transferring in account 22310
1010
1011 DEBUG : Network.transferIn - account number 26734
1012
1013 DEBUG : Network.send() - index inputIndexClient 9
1014
1015 DEBUG : Network.send() - account number 91715
1016
1017 DEBUG : Network.send() - inComingBuffer status
    full
1018
1019 Account number 51728 Account Balance -800.0
    Message done
1020
1021 DEBUG : Network.transferIn() - index
    outputIndexServer 0
1022
1023 DEBUG : Network.transferIn() - account number
    26734
1024
1025 DEBUG : Client.sendTransactions() - sending
    transaction on account 31012
1026
1027 DEBUG : Network.receive() - index
    outputIndexClient 6
1028
1029 DEBUG : Network.receive() - account number 43902
1030
```

```
1031 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 43902
1032
1033 DEBUG : Server.processTransactions() - Withdrawal
           of 90.0 from account 26734
1034
1035 DEBUG : Server.processTransactions() -
           transferring out account 26734
1036
1037 DEBUG : Network.transferOut() - index
           inputIndexServer 0
1038
1039 DEBUG : Network.transferOut() - account number
           26734
1040
1041 DEBUG : Server.processTransactions() -
           transferring in account 26734
1042
1043 DEBUG : Network.transferIn - account number 41024
1044
1045 DEBUG : Network.send() - index inputIndexClient 0
1046
1047 DEBUG : Network.send() - account number 31012
1048
1049 DEBUG : Network.send() - inComingBuffer status
           full
1050
1051 Account number 43902 Account Balance 1000.0
           Message done
1052
1053 DEBUG : Network.receive() - index
           outputIndexClient 7
1054
1055 DEBUG : Network.receive() - account number 52521
1056
1057 DEBUG : Network.transferIn() - index
           outputIndexServer 1
1058
1059 DEBUG : Network.transferIn() - account number
           41024
1060
```

```
1061 DEBUG : Client.sendTransactions() - sending
transaction on account 32613
1062
1063 DEBUG : Server.processTransactions() - Deposit of
495.0 in account 41024
1064
1065 DEBUG : Network.send() - index inputIndexClient 1
1066
1067 DEBUG : Network.send() - account number 32613
1068
1069 DEBUG : Network.send() - inComingBuffer status
full
1070
1071 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 52521
1072
1073 DEBUG : Server.processTransactions() -
transferring out account 41024
1074
1075 DEBUG : Network.transferOut() - index
inputIndexServer 1
1076
1077 DEBUG : Network.transferOut() - account number
41024
1078
1079 DEBUG : Server.processTransactions() -
transferring in account 41024
1080
1081 DEBUG : Network.transferIn - account number 38421
1082
1083 DEBUG : Network.transferIn() - index
outputIndexServer 2
1084
1085 DEBUG : Network.transferIn() - account number
38421
1086
1087 DEBUG : Client.sendTransactions() - sending
transaction on account 13133
1088
1089 DEBUG : Network.send() - index inputIndexClient 2
1090
```

```
1091 DEBUG : Network.send() - account number 13133
1092
1093 DEBUG : Network.send() - inComingBuffer status
    full
1094
1095 Account number 52521 Account Balance 7000.0
    Message done
1096
1097 DEBUG : Network.receive() - index
    outputIndexClient 8
1098
1099 DEBUG : Network.receive() - account number 31215
1100
1101 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 31215
1102
1103 Account number 31215 Account Balance 2000.0
    Message done
1104
1105 DEBUG : Network.receive() - index
    outputIndexClient 9
1106
1107 DEBUG : Server.processTransactions() - Deposit of
    500.0 in account 38421
1108
1109 DEBUG : Server.processTransactions() -
    transferring out account 38421
1110
1111 DEBUG : Network.receive() - account number 22310
1112
1113 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 22310
1114
1115 DEBUG : Network.transferOut() - index
    inputIndexServer 2
1116
1117 DEBUG : Network.transferOut() - account number
    38421
1118
1119 DEBUG : Server.processTransactions() -
    transferring in account 38421
```

```
1120
1121 DEBUG : Network.transferIn - account number 70321
1122
1123 Account number 22310 Account Balance 100.0 Message
done
1124
1125 DEBUG : Network.receive() - index
outputIndexClient 0
1126
1127 DEBUG : Network.receive() - account number 26734
1128
1129 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 26734
1130
1131 DEBUG : Network.transferIn() - index
outputIndexServer 3
1132
1133 DEBUG : Network.transferIn() - account number
70321
1134
1135 DEBUG : Client.sendTransactions() - sending
transaction on account 43018
1136
1137 DEBUG : Network.send() - index inputIndexClient 3
1138
1139 DEBUG : Network.send() - account number 43018
1140
1141 DEBUG : Network.send() - inComingBuffer status
full
1142
1143 Account number 26734 Account Balance 600.0 Message
done
1144
1145 DEBUG : Server.processTransactions() - Obtaining
balance from account 70321
1146
1147 DEBUG : Server.processTransactions() -
transferring out account 70321
1148
1149 DEBUG : Network.transferOut() - index
inputIndexServer 3
```

```
1150
1151 DEBUG : Network.transferOut() - account number
    70321
1152
1153 DEBUG : Server.processTransactions() -
    transferring in account 70321
1154
1155 DEBUG : Network.transferIn - account number 12421
1156
1157 DEBUG : Network.transferIn() - index
    outputIndexServer 4
1158
1159 DEBUG : Network.transferIn() - account number
    12421
1160
1161 DEBUG : Network.receive() - index
    outputIndexClient 1
1162
1163 DEBUG : Server.processTransactions() - Withdrawal
    of 90.0 from account 12421
1164
1165 DEBUG : Server.processTransactions() -
    transferring out account 12421
1166
1167 DEBUG : Client.sendTransactions() - sending
    transaction on account 91412
1168
1169 DEBUG : Network.send() - index inputIndexClient 4
1170
1171 DEBUG : Network.send() - account number 91412
1172
1173 DEBUG : Network.send() - inComingBuffer status
    full
1174
1175 DEBUG : Network.receive() - account number 41024
1176
1177 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 41024
1178
1179 DEBUG : Network.transferOut() - index
    inputIndexServer 4
```

```
1180
1181 DEBUG : Network.transferOut() - account number
12421
1182
1183 Account number 41024 Account Balance 1500.0
    Message done
1184
1185 DEBUG : Network.receive() - index
    outputIndexClient 2
1186
1187 DEBUG : Network.receive() - account number 38421
1188
1189 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 38421
1190
1191 DEBUG : Server.processTransactions() -
    transferring in account 12421
1192
1193 DEBUG : Network.transferIn - account number 82411
1194
1195 Account number 38421 Account Balance 5800.0
    Message done
1196
1197 DEBUG : Network.receive() - index
    outputIndexClient 3
1198
1199 DEBUG : Network.receive() - account number 70321
1200
1201 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 70321
1202
1203 DEBUG : Network.transferIn() - index
    outputIndexServer 5
1204
1205 DEBUG : Network.transferIn() - account number
    82411
1206
1207 Account number 70321 Account Balance 0.0 Message
    done
1208
1209 DEBUG : Network.receive() - index
```

```
1209 outputIndexClient 4
1210
1211 DEBUG : Network.receive() - account number 12421
1212
1213 DEBUG : Client.sendTransactions() - sending
transaction on account 11314
1214
1215 DEBUG : Network.send() - index inputIndexClient 5
1216
1217 DEBUG : Network.send() - account number 11314
1218
1219 DEBUG : Server.processTransactions() - Withdrawal
of 500.0 from account 82411
1220
1221 DEBUG : Server.processTransactions() -
transferring out account 82411
1222
1223 DEBUG : Network.receive() - outGoingBuffer status
empty
1224
1225 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 12421
1226
1227 DEBUG : Network.send() - inComingBuffer status
full
1228
1229 DEBUG : Network.transferOut() - index
inputIndexServer 5
1230
1231 DEBUG : Network.transferOut() - account number
82411
1232
1233 DEBUG : Server.processTransactions() -
transferring in account 82411
1234
1235 DEBUG : Network.transferIn - account number 21117
1236
1237 DEBUG : Network.transferIn() - index
outputIndexServer 6
1238
1239 DEBUG : Network.transferIn() - account number
```

```
1239 21117
1240
1241 Account number 12421 Account Balance 1000.0
    Message done
1242
1243 DEBUG : Server.processTransactions() - Deposit of
    15.0 in account 21117
1244
1245 DEBUG : Client.sendTransactions() - sending
    transaction on account 00812
1246
1247 DEBUG : Server.processTransactions() -
    transferring out account 21117
1248
1249 DEBUG : Network.transferOut() - index
    inputIndexServer 6
1250
1251 DEBUG : Network.transferOut() - account number
    21117
1252
1253 DEBUG : Network.receive() - index
    outputIndexClient 5
1254
1255 DEBUG : Network.send() - index inputIndexClient 6
1256
1257 DEBUG : Network.send() - account number 00812
1258
1259 DEBUG : Server.processTransactions() -
    transferring in account 21117
1260
1261 DEBUG : Network.transferIn - account number 00925
1262
1263 DEBUG : Network.receive() - account number 82411
1264
1265 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 82411
1266
1267 DEBUG : Network.send() - inComingBuffer status
    full
1268
1269 Account number 82411 Account Balance -400.0
```

```
1269 Message done
1270
1271 DEBUG : Network.transferIn() - index
    outputIndexServer 7
1272
1273 DEBUG : Network.transferIn() - account number
    00925
1274
1275 DEBUG : Network.receive() - index
    outputIndexClient 6
1276
1277 DEBUG : Network.receive() - account number 21117
1278
1279 DEBUG : Network.receive() - outGoingBuffer status
    empty
1280
1281 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 21117
1282
1283 DEBUG : Client.sendTransactions() - sending
    transaction on account 61527
1284
1285 DEBUG : Network.send() - index inputIndexClient 7
1286
1287 DEBUG : Network.send() - account number 61527
1288
1289 DEBUG : Server.processTransactions() - Deposit of
    325.0 in account 00925
1290
1291 DEBUG : Server.processTransactions() -
    transferring out account 00925
1292
1293 Account number 21117 Account Balance 100.0 Message
    done
1294
1295 DEBUG : Network.send() - inComingBuffer status
    full
1296
1297 DEBUG : Network.transferOut() - index
    inputIndexServer 7
1298
```

```
1299 DEBUG : Network.transferOut() - account number
00925
1300
1301 DEBUG : Server.processTransactions() -
transferring in account 00925
1302
1303 DEBUG : Network.transferIn - account number 31820
1304
1305 DEBUG : Network.receive() - index
outputIndexClient 7
1306
1307 DEBUG : Network.receive() - account number 00925
1308
1309 DEBUG : Network.transferIn() - index
outputIndexServer 8
1310
1311 DEBUG : Network.transferIn() - account number
31820
1312
1313 DEBUG : Client.sendTransactions() - sending
transaction on account 43817
1314
1315 DEBUG : Server.processTransactions() - Withdrawal
of 900.0 from account 31820
1316
1317 DEBUG : Server.processTransactions() -
transferring out account 31820
1318
1319 DEBUG : Network.receive() - outGoingBuffer status
empty
1320
1321 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 00925
1322
1323 DEBUG : Network.send() - index inputIndexClient 8
1324
1325 DEBUG : Network.send() - account number 43817
1326
1327 DEBUG : Network.transferOut() - index
inputIndexServer 8
1328
```

```
1329 DEBUG : Network.transferOut() - account number
            31820
1330
1331 DEBUG : Server.processTransactions() -
            transferring in account 31820
1332
1333 Account number 00925 Account Balance 1000.0
            Message done
1334
1335 DEBUG : Network.receive() - index
            outputIndexClient 8
1336
1337 DEBUG : Network.receive() - account number 31820
1338
1339 DEBUG : Network.send() - inComingBuffer status
            full
1340
1341 DEBUG : Network.transferIn - account number 91715
1342
1343 DEBUG : Network.transferIn() - index
            outputIndexServer 9
1344
1345 DEBUG : Network.receive() - outGoingBuffer status
            empty
1346
1347 DEBUG : Client.receiveTransactions() - receiving
            updated transaction on account 31820
1348
1349 DEBUG : Network.transferIn() - account number
            91715
1350
1351 Account number 31820 Account Balance 1000.0
            Message done
1352
1353 DEBUG : Client.sendTransactions() - sending
            transaction on account 92018
1354
1355 DEBUG : Network.send() - index inputIndexClient 9
1356
1357 DEBUG : Network.send() - account number 92018
1358
```

```
1359 DEBUG : Network.send() - inComingBuffer status
    full
1360
1361 DEBUG : Server.processTransactions() - Deposit of
    35.0 in account 91715
1362
1363 DEBUG : Server.processTransactions() -
    transferring out account 91715
1364
1365 DEBUG : Network.transferOut() - index
    inputIndexServer 9
1366
1367 DEBUG : Network.transferOut() - account number
    91715
1368
1369 DEBUG : Server.processTransactions() -
    transferring in account 91715
1370
1371 DEBUG : Network.receive() - index
    outputIndexClient 9
1372
1373 DEBUG : Network.receive() - account number 91715
1374
1375 DEBUG : Network.transferIn - account number 31012
1376
1377 DEBUG : Network.transferIn() - index
    outputIndexServer 0
1378
1379 DEBUG : Network.transferIn() - account number
    31012
1380
1381 DEBUG : Network.receive() - outGoingBuffer status
    empty
1382
1383 DEBUG : Client.sendTransactions() - sending
    transaction on account 42850
1384
1385 DEBUG : Network.send() - index inputIndexClient 0
1386
1387 DEBUG : Network.send() - account number 42850
1388
```

```
1389 DEBUG : Network.send() - inComingBuffer status
    full
1390
1391 DEBUG : Server.processTransactions() - Withdrawal
    of 1000.0 from account 31012
1392
1393 DEBUG : Server.processTransactions() -
    transferring out account 31012
1394
1395 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 91715
1396
1397 DEBUG : Network.transferOut() - index
    inputIndexServer 0
1398
1399 DEBUG : Network.transferOut() - account number
    31012
1400
1401 DEBUG : Server.processTransactions() -
    transferring in account 31012
1402
1403 Account number 91715 Account Balance 100.0 Message
    done
1404
1405 DEBUG : Network.transferIn - account number 32613
1406
1407 DEBUG : Network.receive() - index
    outputIndexClient 0
1408
1409 DEBUG : Network.receive() - account number 31012
1410
1411 DEBUG : Network.transferIn() - index
    outputIndexServer 1
1412
1413 DEBUG : Network.transferIn() - account number
    32613
1414
1415 DEBUG : Network.receive() - outGoingBuffer status
    empty
1416
1417 DEBUG : Client.receiveTransactions() - receiving
```

```
1417 updated transaction on account 31012
1418
1419 DEBUG : Client.sendTransactions() - sending
transaction on account 92716
1420
1421 DEBUG : Network.send() - index inputIndexClient 1
1422
1423 DEBUG : Network.send() - account number 92716
1424
1425 DEBUG : Network.send() - inComingBuffer status
full
1426
1427 DEBUG : Server.processTransactions() - Deposit of
1500.0 in account 32613
1428
1429 DEBUG : Server.processTransactions() -
transferring out account 32613
1430
1431 Account number 31012 Account Balance -1000.0
Message done
1432
1433 DEBUG : Network.transferOut() - index
inputIndexServer 1
1434
1435 DEBUG : Network.transferOut() - account number
32613
1436
1437 DEBUG : Server.processTransactions() -
transferring in account 32613
1438
1439 DEBUG : Network.receive() - index
outputIndexClient 1
1440
1441 DEBUG : Network.receive() - account number 32613
1442
1443 DEBUG : Network.receive() - outGoingBuffer status
empty
1444
1445 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 32613
1446
```

```
1447 DEBUG : Network.transferIn - account number 13133
1448
1449 Account number 32613 Account Balance 3000.0
    Message done
1450
1451 DEBUG : Network.transferIn() - index
    outputIndexServer 2
1452
1453 DEBUG : Network.transferIn() - account number
    13133
1454
1455 DEBUG : Client.sendTransactions() - sending
    transaction on account 01113
1456
1457 DEBUG : Network.send() - index inputIndexClient 2
1458
1459 DEBUG : Network.send() - account number 01113
1460
1461 DEBUG : Network.send() - inComingBuffer status
    full
1462
1463 DEBUG : Server.processTransactions() - Withdrawal
    of 300.0 from account 13133
1464
1465 DEBUG : Server.processTransactions() -
    transferring out account 13133
1466
1467 DEBUG : Network.transferOut() - index
    inputIndexServer 2
1468
1469 DEBUG : Network.transferOut() - account number
    13133
1470
1471 DEBUG : Server.processTransactions() -
    transferring in account 13133
1472
1473 DEBUG : Network.transferIn - account number 43018
1474
1475 DEBUG : Network.transferIn() - index
    outputIndexServer 3
1476
```

```
1477 DEBUG : Network.transferIn() - account number  
        43018  
1478  
1479 DEBUG : Client.sendTransactions() - sending  
        transaction on account 60716  
1480  
1481 DEBUG : Network.receive() - index  
        outputIndexClient 2  
1482  
1483 DEBUG : Network.receive() - account number 13133  
1484  
1485 DEBUG : Network.receive() - outGoingBuffer status  
        empty  
1486  
1487 DEBUG : Client.receiveTransactions() - receiving  
        updated transaction on account 13133  
1488  
1489 DEBUG : Network.send() - index inputIndexClient 3  
1490  
1491 Account number 13133 Account Balance -100.0  
        Message done  
1492  
1493 DEBUG : Network.send() - account number 60716  
1494  
1495 DEBUG : Server.processTransactions() - Deposit of  
        250.0 in account 43018  
1496  
1497 DEBUG : Server.processTransactions() -  
        transferring out account 43018  
1498  
1499 DEBUG : Network.send() - inComingBuffer status  
        full  
1500  
1501 DEBUG : Network.transferOut() - index  
        inputIndexServer 3  
1502  
1503 DEBUG : Network.transferOut() - account number  
        43018  
1504  
1505 DEBUG : Server.processTransactions() -  
        transferring in account 43018
```

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1506
1507 DEBUG : Network.receive() - index
    outputIndexClient 3
1508
1509 DEBUG : Network.receive() - account number 43018
1510
1511 DEBUG : Network.receive() - outGoingBuffer status
    empty
1512
1513 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 43018
1514
1515 DEBUG : Network.transferIn - account number 91412
1516
1517 DEBUG : Network.transferIn() - index
    outputIndexServer 4
1518
1519 DEBUG : Network.transferIn() - account number
    91412
1520
1521 DEBUG : Client.sendTransactions() - sending
    transaction on account 01823
1522
1523 DEBUG : Network.send() - index inputIndexClient 4
1524
1525 DEBUG : Network.send() - account number 01823
1526
1527 DEBUG : Network.send() - inComingBuffer status
    full
1528
1529 Account number 43018 Account Balance 500.0 Message
    done
1530
1531 DEBUG : Server.processTransactions() - Deposit of
    305.0 in account 91412
1532
1533 DEBUG : Server.processTransactions() -
    transferring out account 91412
1534
1535 DEBUG : Network.transferOut() - index
    inputIndexServer 4
```

```
1536
1537 DEBUG : Network.transferOut() - account number
91412
1538
1539 DEBUG : Server.processTransactions() -
transferring in account 91412
1540
1541 DEBUG : Network.transferIn - account number 11314
1542
1543 DEBUG : Network.transferIn() - index
outputIndexServer 5
1544
1545 DEBUG : Network.receive() - index
outputIndexClient 4
1546
1547 DEBUG : Network.receive() - account number 91412
1548
1549 DEBUG : Network.receive() - outGoingBuffer status
empty
1550
1551 DEBUG : Network.transferIn() - account number
11314
1552
1553 DEBUG : Client.sendTransactions() - sending
transaction on account 13331
1554
1555 DEBUG : Server.processTransactions() - Deposit of
1000.0 in account 11314
1556
1557 DEBUG : Network.send() - index inputIndexClient 5
1558
1559 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 91412
1560
1561 DEBUG : Server.processTransactions() -
transferring out account 11314
1562
1563 Account number 91412 Account Balance 400.0 Message
done
1564
1565 DEBUG : Network.transferOut() - index
```

```
1565 inputIndexServer 5
1566
1567 DEBUG : Network.transferOut() - account number
11314
1568
1569 DEBUG : Server.processTransactions() -
transferring in account 11314
1570
1571 DEBUG : Network.transferIn - account number 00812
1572
1573 DEBUG : Network.send() - account number 13331
1574
1575 DEBUG : Network.send() - inComingBuffer status
full
1576
1577 DEBUG : Network.receive() - index
outputIndexClient 5
1578
1579 DEBUG : Network.receive() - account number 11314
1580
1581 DEBUG : Network.transferIn() - index
outputIndexServer 6
1582
1583 DEBUG : Network.transferIn() - account number
00812
1584
1585 DEBUG : Client.sendTransactions() - sending
transaction on account 81368
1586
1587 DEBUG : Network.receive() - outGoingBuffer status
empty
1588
1589 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 11314
1590
1591 DEBUG : Server.processTransactions() - Obtaining
balance from account00812
1592
1593 DEBUG : Server.processTransactions() -
transferring out account 00812
1594
```

```
1595 Account number 11314 Account Balance 1000.0
    Message done
1596
1597 DEBUG : Network.send() - index inputIndexClient 6
1598
1599 DEBUG : Network.send() - account number 81368
1600
1601 DEBUG : Network.transferOut() - index
    inputIndexServer 6
1602
1603 DEBUG : Network.send() - inComingBuffer status
    full
1604
1605 DEBUG : Network.transferOut() - account number
    00812
1606
1607 DEBUG : Server.processTransactions() -
    transferring in account 00812
1608
1609 DEBUG : Network.receive() - index
    outputIndexClient 6
1610
1611 DEBUG : Network.receive() - account number 00812
1612
1613 DEBUG : Network.receive() - outGoingBuffer status
    empty
1614
1615 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 00812
1616
1617 Account number 00812 Account Balance 1620.0
    Message done
1618
1619 DEBUG : Network.transferIn - account number 61527
1620
1621 DEBUG : Network.transferIn() - index
    outputIndexServer 7
1622
1623 DEBUG : Network.transferIn() - account number
    61527
1624
```

```
1625 DEBUG : Client.sendTransactions() - sending
transaction on account 91214
1626
1627 DEBUG : Server.processTransactions() - Withdrawal
of 10000.0 from account 61527
1628
1629 DEBUG : Server.processTransactions() -
transferring out account 61527
1630
1631 DEBUG : Network.send() - index inputIndexClient 7
1632
1633 DEBUG : Network.send() - account number 91214
1634
1635 DEBUG : Network.transferOut() - index
inputIndexServer 7
1636
1637 DEBUG : Network.transferOut() - account number
61527
1638
1639 DEBUG : Server.processTransactions() -
transferring in account 61527
1640
1641 DEBUG : Network.transferIn - account number 43817
1642
1643 DEBUG : Network.transferIn() - index
outputIndexServer 8
1644
1645 DEBUG : Network.send() - inComingBuffer status
full
1646
1647 DEBUG : Network.receive() - index
outputIndexClient 7
1648
1649 DEBUG : Network.receive() - account number 61527
1650
1651 DEBUG : Network.receive() - outGoingBuffer status
empty
1652
1653 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 61527
1654
```

```
1655 DEBUG : Network.transferIn() - account number  
43817  
1656  
1657 Account number 61527 Account Balance 0.0 Message  
done  
1658  
1659 DEBUG : Server.processTransactions() - Deposit of  
65.0 in account 43817  
1660  
1661 DEBUG : Client.sendTransactions() - sending  
transaction on account 91245  
1662  
1663 DEBUG : Server.processTransactions() -  
transferring out account 43817  
1664  
1665 DEBUG : Network.send() - index inputIndexClient 8  
1666  
1667 DEBUG : Network.transferOut() - index  
inputIndexServer 8  
1668  
1669 DEBUG : Network.transferOut() - account number  
43817  
1670  
1671 DEBUG : Server.processTransactions() -  
transferring in account 43817  
1672  
1673 DEBUG : Network.receive() - index  
outputIndexClient 8  
1674  
1675 DEBUG : Network.receive() - account number 43817  
1676  
1677 DEBUG : Network.receive() - outGoingBuffer status  
empty  
1678  
1679 DEBUG : Client.receiveTransactions() - receiving  
updated transaction on account 43817  
1680  
1681 DEBUG : Network.send() - account number 91245  
1682  
1683 Account number 43817 Account Balance 100.0 Message  
done
```

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1684
1685 DEBUG : Network.transferIn - account number 92018
1686
1687 DEBUG : Network.send() - inComingBuffer status
1688 full
1689 DEBUG : Network.transferIn() - index
1690 outputIndexServer 9
1691 DEBUG : Network.transferIn() - account number
1692 92018
1693 DEBUG : Client.sendTransactions() - sending
1694 transaction on account 42018
1695 DEBUG : Server.processTransactions() - Withdrawal
1696 of 250.0 from account 92018
1697 DEBUG : Network.send() - index inputIndexClient 9
1698
1699 DEBUG : Network.send() - account number 42018
1700
1701 DEBUG : Server.processTransactions() -
1702 transferring out account 92018
1703 DEBUG : Network.transferOut() - index
1704 inputIndexServer 9
1705 DEBUG : Network.transferOut() - account number
1706 92018
1707 DEBUG : Network.send() - inComingBuffer status
1708 full
1709 DEBUG : Network.receive() - index
1710 outputIndexClient 9
1711 DEBUG : Network.receive() - account number 92018
1712
1713 DEBUG : Server.processTransactions() -
1714 transferring in account 92018
```

```
1714
1715 DEBUG : Network.transferIn - account number 42850
1716
1717 DEBUG : Network.receive() - outGoingBuffer status
empty
1718
1719 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 92018
1720
1721 DEBUG : Network.transferIn() - index
outputIndexServer 0
1722
1723 Account number 92018 Account Balance -250.0
Message done
1724
1725 DEBUG : Network.transferIn() - account number
42850
1726
1727 DEBUG : Client.sendTransactions() - sending
transaction on account 62023
1728
1729 DEBUG : Server.processTransactions() - Deposit of
655.0 in account 42850
1730
1731 DEBUG : Server.processTransactions() -
transferring out account 42850
1732
1733 DEBUG : Network.send() - index inputIndexClient 0
1734
1735 DEBUG : Network.transferOut() - index
inputIndexServer 0
1736
1737 DEBUG : Network.send() - account number 62023
1738
1739 DEBUG : Network.send() - inComingBuffer status
full
1740
1741 DEBUG : Network.transferOut() - account number
42850
1742
1743 DEBUG : Server.processTransactions() -
```

```
1743 transferring in account 42850
1744
1745 DEBUG : Network.receive() - index
    outputIndexClient 0
1746
1747 DEBUG : Network.transferIn - account number 92716
1748
1749 DEBUG : Network.receive() - account number 42850
1750
1751 DEBUG : Network.receive() - outGoingBuffer status
    empty
1752
1753 DEBUG : Network.transferIn() - index
    outputIndexServer 1
1754
1755 DEBUG : Network.transferIn() - account number
    92716
1756
1757 DEBUG : Client.sendTransactions() - sending
    transaction on account 01314
1758
1759 DEBUG : Server.processTransactions() - Withdrawal
    of 345.0 from account 92716
1760
1761 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 42850
1762
1763 DEBUG : Network.send() - index inputIndexClient 1
1764
1765 Account number 42850 Account Balance 1000.0
    Message done
1766
1767 DEBUG : Network.send() - account number 01314
1768
1769 DEBUG : Network.send() - inComingBuffer status
    full
1770
1771 DEBUG : Server.processTransactions() -
    transferring out account 92716
1772
1773 DEBUG : Network.transferOut() - index
```

```
1773 inputIndexServer 1
1774
1775 DEBUG : Network.transferOut() - account number
92716
1776
1777 DEBUG : Server.processTransactions() -
transferring in account 92716
1778
1779 DEBUG : Network.transferIn - account number 01113
1780
1781 DEBUG : Network.transferIn() - index
outputIndexServer 2
1782
1783 DEBUG : Network.receive() - index
outputIndexClient 1
1784
1785 DEBUG : Network.receive() - account number 92716
1786
1787 DEBUG : Network.receive() - outGoingBuffer status
empty
1788
1789 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 92716
1790
1791 DEBUG : Network.transferIn() - account number
01113
1792
1793 DEBUG : Client.sendTransactions() - sending
transaction on account 20922
1794
1795 DEBUG : Server.processTransactions() - Deposit of
155.0 in account 01113
1796
1797 DEBUG : Server.processTransactions() -
transferring out account 01113
1798
1799 DEBUG : Network.send() - index inputIndexClient 2
1800
1801 DEBUG : Network.transferOut() - index
inputIndexServer 2
1802
```

```
1803 DEBUG : Network.send() - account number 20922
1804
1805 DEBUG : Network.send() - inComingBuffer status
    full
1806
1807 Account number 92716 Account Balance 1000.0
    Message done
1808
1809 DEBUG : Network.transferOut() - account number
    01113
1810
1811 DEBUG : Server.processTransactions() -
    transferring in account 01113
1812
1813 DEBUG : Network.transferIn - account number 60716
1814
1815 DEBUG : Network.receive() - index
    outputIndexClient 2
1816
1817 DEBUG : Network.receive() - account number 01113
1818
1819 DEBUG : Network.receive() - outGoingBuffer status
    empty
1820
1821 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 01113
1822
1823 DEBUG : Network.transferIn() - index
    outputIndexServer 3
1824
1825 DEBUG : Network.transferIn() - account number
    60716
1826
1827 DEBUG : Client.sendTransactions() - sending
    transaction on account 21219
1828
1829 DEBUG : Server.processTransactions() - Deposit of
    700.0 in account 60716
1830
1831 DEBUG : Server.processTransactions() -
    transferring out account 60716
```

```
1832
1833 Account number 01113 Account Balance 300.0 Message
done
1834
1835 DEBUG : Network.send() - index inputIndexClient 3
1836
1837 DEBUG : Network.transferOut() - index
inputIndexServer 3
1838
1839 DEBUG : Network.transferOut() - account number
60716
1840
1841 DEBUG : Network.send() - account number 21219
1842
1843 DEBUG : Network.send() - inComingBuffer status
full
1844
1845 DEBUG : Server.processTransactions() -
transferring in account 60716
1846
1847 DEBUG : Network.transferIn - account number 01823
1848
1849 DEBUG : Network.receive() - index
outputIndexClient 3
1850
1851 DEBUG : Network.receive() - account number 60716
1852
1853 DEBUG : Network.receive() - outGoingBuffer status
empty
1854
1855 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 60716
1856
1857 DEBUG : Network.transferIn() - index
outputIndexServer 4
1858
1859 DEBUG : Network.transferIn() - account number
01823
1860
1861 Account number 60716 Account Balance 1000.0
Message done
```

```
1862
1863 DEBUG : Server.processTransactions() - Deposit of
            300.0 in account 01823
1864
1865 DEBUG : Server.processTransactions() -
            transferring out account 01823
1866
1867 DEBUG : Client.sendTransactions() - sending
            transaction on account 83530
1868
1869 DEBUG : Network.transferOut() - index
            inputIndexServer 4
1870
1871 DEBUG : Network.send() - index inputIndexClient 4
1872
1873 DEBUG : Network.transferOut() - account number
            01823
1874
1875 DEBUG : Server.processTransactions() -
            transferring in account 01823
1876
1877 DEBUG : Network.transferIn - account number 13331
1878
1879 DEBUG : Network.send() - account number 83530
1880
1881 DEBUG : Network.send() - inComingBuffer status
            full
1882
1883 DEBUG : Network.receive() - index
            outputIndexClient 4
1884
1885 DEBUG : Network.receive() - account number 01823
1886
1887 DEBUG : Network.transferIn() - index
            outputIndexServer 5
1888
1889 DEBUG : Network.transferIn() - account number
            13331
1890
1891 DEBUG : Client.sendTransactions() - sending
            transaction on account 83830
```

```
1892
1893 DEBUG : Server.processTransactions() - Withdrawal
           of 350.0 from account 13331
1894
1895 DEBUG : Server.processTransactions() -
           transferring out account 13331
1896
1897 DEBUG : Network.transferOut() - index
           inputIndexServer 5
1898
1899 DEBUG : Network.send() - index inputIndexClient 5
1900
1901 DEBUG : Network.send() - account number 83830
1902
1903 DEBUG : Network.send() - inComingBuffer status
           full
1904
1905 DEBUG : Network.receive() - outGoingBuffer status
           empty
1906
1907 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 01823
1908
1909 DEBUG : Network.transferOut() - account number
           13331
1910
1911 DEBUG : Server.processTransactions() -
           transferring in account 13331
1912
1913 Account number 01823 Account Balance 860.0 Message
           done
1914
1915 DEBUG : Network.receive() - index
           outputIndexClient 5
1916
1917 DEBUG : Network.receive() - account number 13331
1918
1919 DEBUG : Network.receive() - outGoingBuffer status
           empty
1920
1921 DEBUG : Client.receiveTransactions() - receiving
```

```
1921 updated transaction on account 13331
1922
1923 DEBUG : Network.transferIn - account number 81368
1924
1925 Account number 13331 Account Balance 1500.0
    Message done
1926
1927 DEBUG : Network.transferIn() - index
    outputIndexServer 6
1928
1929 DEBUG : Network.transferIn() - account number
    81368
1930
1931 DEBUG : Server.processTransactions() - Withdrawal
    of 2000.0 from account 81368
1932
1933 DEBUG : Server.processTransactions() -
    transferring out account 81368
1934
1935 DEBUG : Client.sendTransactions() - sending
    transaction on account 72820
1936
1937 DEBUG : Network.send() - index inputIndexClient 6
1938
1939 DEBUG : Network.send() - account number 72820
1940
1941 DEBUG : Network.send() - inComingBuffer status
    full
1942
1943 DEBUG : Network.transferOut() - index
    inputIndexServer 6
1944
1945 DEBUG : Network.transferOut() - account number
    81368
1946
1947 DEBUG : Server.processTransactions() -
    transferring in account 81368
1948
1949 DEBUG : Network.transferIn - account number 91214
1950
1951 DEBUG : Network.receive() - index
```

```
1951 outputIndexClient 6
1952
1953 DEBUG : Network.receive() - account number 81368
1954
1955 DEBUG : Network.transferIn() - index
    outputIndexServer 7
1956
1957 DEBUG : Network.transferIn() - account number
    91214
1958
1959 DEBUG : Network.receive() - outGoingBuffer status
    empty
1960
1961 DEBUG : Server.processTransactions() - Deposit of
    180.0 in account 91214
1962
1963 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 81368
1964
1965 DEBUG : Client.sendTransactions() - sending
    transaction on account 92318
1966
1967 DEBUG : Network.send() - index inputIndexClient 7
1968
1969 DEBUG : Network.send() - account number 92318
1970
1971 DEBUG : Network.send() - inComingBuffer status
    full
1972
1973 DEBUG : Server.processTransactions() -
    transferring out account 91214
1974
1975 Account number 81368 Account Balance 350.0 Message
    done
1976
1977 DEBUG : Network.transferOut() - index
    inputIndexServer 7
1978
1979 DEBUG : Network.transferOut() - account number
    91214
1980
```

```
1981 DEBUG : Server.processTransactions() -  
    transferring in account 91214  
1982  
1983 DEBUG : Network.receive() - index  
    outputIndexClient 7  
1984  
1985 DEBUG : Network.transferIn - account number 91245  
1986  
1987 DEBUG : Network.transferIn() - index  
    outputIndexServer 8  
1988  
1989 DEBUG : Network.transferIn() - account number  
    91245  
1990  
1991 DEBUG : Network.receive() - account number 91214  
1992  
1993 DEBUG : Server.processTransactions() - Withdrawal  
    of 2300.0 from account 91245  
1994  
1995 DEBUG : Network.receive() - outGoingBuffer status  
    empty  
1996  
1997 DEBUG : Client.receiveTransactions() - receiving  
    updated transaction on account 91214  
1998  
1999 DEBUG : Client.sendTransactions() - sending  
    transaction on account 42520  
2000  
2001 DEBUG : Server.processTransactions() -  
    transferring out account 91245  
2002  
2003 Account number 91214 Account Balance 1600.0  
    Message done  
2004  
2005 DEBUG : Network.transferOut() - index  
    inputIndexServer 8  
2006  
2007 DEBUG : Network.transferOut() - account number  
    91245  
2008  
2009 DEBUG : Server.processTransactions() -
```

```
2009 transferring in account 91245
2010
2011 DEBUG : Network.receive() - index
    outputIndexClient 8
2012
2013 DEBUG : Network.transferIn - account number 42018
2014
2015 DEBUG : Network.transferIn() - index
    outputIndexServer 9
2016
2017 DEBUG : Network.send() - index inputIndexClient 8
2018
2019 DEBUG : Network.send() - account number 42520
2020
2021 DEBUG : Network.receive() - account number 91245
2022
2023 DEBUG : Network.receive() - outGoingBuffer status
    empty
2024
2025 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 91245
2026
2027 DEBUG : Network.transferIn() - account number
    42018
2028
2029 DEBUG : Network.send() - inComingBuffer status
    full
2030
2031 Account number 91245 Account Balance 1200.0
    Message done
2032
2033 DEBUG : Server.processTransactions() - Withdrawal
    of 1000.0 from account 42018
2034
2035 DEBUG : Server.processTransactions() -
    transferring out account 42018
2036
2037 DEBUG : Client.sendTransactions() - sending
    transaction on account 61612
2038
2039 DEBUG : Network.send() - index inputIndexClient 9
```

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2040
2041 DEBUG : Network.send() - account number 61612
2042
2043 DEBUG : Network.transferOut() - index
    inputIndexServer 9
2044
2045 DEBUG : Network.transferOut() - account number
    42018
2046
2047 DEBUG : Network.send() - inComingBuffer status
    full
2048
2049 DEBUG : Server.processTransactions() -
    transferring in account 42018
2050
2051 DEBUG : Network.transferIn - account number 62023
2052
2053 DEBUG : Network.receive() - index
    outputIndexClient 9
2054
2055 DEBUG : Network.receive() - account number 42018
2056
2057 DEBUG : Network.receive() - outGoingBuffer status
    empty
2058
2059 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 42018
2060
2061 DEBUG : Network.transferIn() - index
    outputIndexServer 0
2062
2063 DEBUG : Network.transferIn() - account number
    62023
2064
2065 DEBUG : Client.sendTransactions() - sending
    transaction on account 12535
2066
2067 DEBUG : Network.send() - index inputIndexClient 0
2068
2069 Account number 42018 Account Balance -20.0 Message
    done
```

```
2070
2071 DEBUG : Server.processTransactions() - Deposit of
20000.0 in account 62023
2072
2073 DEBUG : Server.processTransactions() -
transferring out account 62023
2074
2075 DEBUG : Network.send() - account number 12535
2076
2077 DEBUG : Network.transferOut() - index
inputIndexServer 0
2078
2079 DEBUG : Network.send() - inComingBuffer status
full
2080
2081 DEBUG : Network.transferOut() - account number
62023
2082
2083 DEBUG : Server.processTransactions() -
transferring in account 62023
2084
2085 DEBUG : Network.transferIn - account number 01314
2086
2087 DEBUG : Network.receive() - index
outputIndexClient 0
2088
2089 DEBUG : Network.receive() - account number 62023
2090
2091 DEBUG : Network.transferIn() - index
outputIndexServer 1
2092
2093 DEBUG : Network.transferIn() - account number
01314
2094
2095 DEBUG : Network.receive() - outGoingBuffer status
empty
2096
2097 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 62023
2098
2099 DEBUG : Server.processTransactions() - Obtaining
```

```
2099 balance from account01314
2100
2101 DEBUG : Server.processTransactions() -
transferring out account 01314
2102
2103 DEBUG : Network.transferOut() - index
inputIndexServer 1
2104
2105 DEBUG : Network.transferOut() - account number
01314
2106
2107 Account number 62023 Account Balance 202200.0
Message done
2108
2109 DEBUG : Network.receive() - index
outputIndexClient 1
2110
2111 DEBUG : Network.receive() - account number 01314
2112
2113 DEBUG : Network.receive() - outGoingBuffer status
empty
2114
2115 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 01314
2116
2117 DEBUG : Server.processTransactions() -
transferring in account 01314
2118
2119 DEBUG : Network.transferIn - account number 20922
2120
2121 Account number 01314 Account Balance 1.05E7
Message done
2122
2123 DEBUG : Network.transferIn() - index
outputIndexServer 2
2124
2125 DEBUG : Network.transferIn() - account number
20922
2126
2127 DEBUG : Server.processTransactions() - Withdrawal
of 1500.0 from account 20922
```

```
2128
2129 DEBUG : Server.processTransactions() -
    transferring out account 20922
2130
2131 DEBUG : Network.transferOut() - index
    inputIndexServer 2
2132
2133 DEBUG : Network.transferOut() - account number
    20922
2134
2135 DEBUG : Server.processTransactions() -
    transferring in account 20922
2136
2137 DEBUG : Network.receive() - index
    outputIndexClient 2
2138
2139 DEBUG : Network.receive() - account number 20922
2140
2141 DEBUG : Network.receive() - outGoingBuffer status
    empty
2142
2143 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 20922
2144
2145 DEBUG : Network.transferIn - account number 21219
2146
2147 DEBUG : Network.transferIn() - index
    outputIndexServer 3
2148
2149 DEBUG : Network.transferIn() - account number
    21219
2150
2151 DEBUG : Server.processTransactions() - Obtaining
    balance from account21219
2152
2153 DEBUG : Server.processTransactions() -
    transferring out account 21219
2154
2155 DEBUG : Network.transferOut() - index
    inputIndexServer 3
2156
```

```
2157 DEBUG : Network.transferOut() - account number
2158   21219
2159 DEBUG : Server.processTransactions() -
2160   transferring in account 21219
2161 Account number 20922 Account Balance 240.0 Message
2162   done
2163 DEBUG : Network.receive() - index
2164   outputIndexClient 3
2165 DEBUG : Network.receive() - account number 21219
2166
2167 DEBUG : Network.transferIn - account number 83530
2168
2169 DEBUG : Network.receive() - outGoingBuffer status
2170   empty
2171 DEBUG : Client.receiveTransactions() - receiving
2172   updated transaction on account 21219
2173 DEBUG : Network.transferIn() - index
2174   outputIndexServer 4
2175 Account number 21219 Account Balance 535000.0
2176   Message done
2177 DEBUG : Network.transferIn() - account number
2178   83530
2179 DEBUG : Server.processTransactions() - Deposit of
2180   134750.0 in account 83530
2181 DEBUG : Server.processTransactions() -
2182   transferring out account 83530
2183 DEBUG : Network.transferOut() - index
2184   inputIndexServer 4
2185 DEBUG : Network.transferOut() - account number
```

```
2185 83530
2186
2187 DEBUG : Server.processTransactions() -
transferring in account 83530
2188
2189 DEBUG : Network.receive() - index
outputIndexClient 4
2190
2191 DEBUG : Network.receive() - account number 83530
2192
2193 DEBUG : Network.receive() - outGoingBuffer status
empty
2194
2195 DEBUG : Network.transferIn - account number 83830
2196
2197 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 83530
2198
2199 DEBUG : Network.transferIn() - index
outputIndexServer 5
2200
2201 Account number 83530 Account Balance 980000.0
Message done
2202
2203 DEBUG : Network.transferIn() - account number
83830
2204
2205 DEBUG : Server.processTransactions() - Withdrawal
of 250.0 from account 83830
2206
2207 DEBUG : Server.processTransactions() -
transferring out account 83830
2208
2209 DEBUG : Network.transferOut() - index
inputIndexServer 5
2210
2211 DEBUG : Network.transferOut() - account number
83830
2212
2213 DEBUG : Server.processTransactions() -
transferring in account 83830
```

```
2214
2215 DEBUG : Network.receive() - index
    outputIndexClient 5
2216
2217 DEBUG : Network.receive() - account number 83830
2218
2219 DEBUG : Network.receive() - outGoingBuffer status
    empty
2220
2221 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 83830
2222
2223 DEBUG : Network.transferIn - account number 72820
2224
2225 Account number 83830 Account Balance 125.0 Message
    done
2226
2227 DEBUG : Network.transferIn() - index
    outputIndexServer 6
2228
2229 DEBUG : Network.transferIn() - account number
    72820
2230
2231 DEBUG : Server.processTransactions() - Deposit of
    50000.0 in account 72820
2232
2233 DEBUG : Server.processTransactions() -
    transferring out account 72820
2234
2235 DEBUG : Network.transferOut() - index
    inputIndexServer 6
2236
2237 DEBUG : Network.transferOut() - account number
    72820
2238
2239 DEBUG : Server.processTransactions() -
    transferring in account 72820
2240
2241 DEBUG : Network.transferIn - account number 92318
2242
2243 DEBUG : Network.receive() - index
```

```
2243 outputIndexClient 6
2244
2245 DEBUG : Network.transferIn() - index
    outputIndexServer 7
2246
2247 DEBUG : Network.transferIn() - account number
    92318
2248
2249 DEBUG : Network.receive() - account number 72820
2250
2251 DEBUG : Network.receive() - outGoingBuffer status
    empty
2252
2253 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 72820
2254
2255 DEBUG : Server.processTransactions() - Deposit of
    1110.0 in account 92318
2256
2257 DEBUG : Server.processTransactions() -
    transferring out account 92318
2258
2259 Account number 72820 Account Balance 100000.0
    Message done
2260
2261 DEBUG : Network.transferOut() - index
    inputIndexServer 7
2262
2263 DEBUG : Network.transferOut() - account number
    92318
2264
2265 DEBUG : Server.processTransactions() -
    transferring in account 92318
2266
2267 DEBUG : Network.transferIn - account number 42520
2268
2269 DEBUG : Network.transferIn() - index
    outputIndexServer 8
2270
2271 DEBUG : Network.transferIn() - account number
    42520
```

```
2272
2273 DEBUG : Network.receive() - index
    outputIndexClient 7
2274
2275 DEBUG : Server.processTransactions() - Deposit of
    650.0 in account 42520
2276
2277 DEBUG : Server.processTransactions() -
    transferring out account 42520
2278
2279 DEBUG : Network.transferOut() - index
    inputIndexServer 8
2280
2281 DEBUG : Network.transferOut() - account number
    42520
2282
2283 DEBUG : Server.processTransactions() -
    transferring in account 42520
2284
2285 DEBUG : Network.transferIn - account number 61612
2286
2287 DEBUG : Network.transferIn() - index
    outputIndexServer 9
2288
2289 DEBUG : Network.transferIn() - account number
    61612
2290
2291 DEBUG : Network.receive() - account number 92318
2292
2293 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 92318
2294
2295 DEBUG : Server.processTransactions() - Withdrawal
    of 600.0 from account 61612
2296
2297 Account number 92318 Account Balance 2400.0
    Message done
2298
2299 DEBUG : Network.receive() - index
    outputIndexClient 8
2300
```

```
2301 DEBUG : Server.processTransactions() -  
    transferring out account 61612  
2302  
2303 DEBUG : Network.transferOut() - index  
    inputIndexServer 9  
2304  
2305 DEBUG : Network.transferOut() - account number  
    61612  
2306  
2307 DEBUG : Server.processTransactions() -  
    transferring in account 61612  
2308  
2309 DEBUG : Network.transferIn - account number 12535  
2310  
2311 DEBUG : Network.transferIn() - index  
    outputIndexServer 0  
2312  
2313 DEBUG : Network.transferIn() - account number  
    12535  
2314  
2315 DEBUG : Network.receive() - account number 42520  
2316  
2317 DEBUG : Client.receiveTransactions() - receiving  
    updated transaction on account 42520  
2318  
2319 Account number 42520 Account Balance 1000.0  
    Message done  
2320  
2321 DEBUG : Network.receive() - index  
    outputIndexClient 9  
2322  
2323 DEBUG : Network.receive() - account number 61612  
2324  
2325 DEBUG : Network.receive() - outGoingBuffer status  
    empty  
2326  
2327 DEBUG : Network.transferIn() - inComingBuffer  
    status empty  
2328  
2329 DEBUG : Client.receiveTransactions() - receiving  
    updated transaction on account 61612
```

```
2330
2331 DEBUG : Server.processTransactions() - Deposit of
    750.0 in account 12535
2332
2333 DEBUG : Server.processTransactions() -
    transferring out account 12535
2334
2335 Account number 61612 Account Balance 25.0 Message
    done
2336
2337 DEBUG : Network.transferOut() - index
    inputIndexServer 0
2338
2339 DEBUG : Network.transferOut() - account number
    12535
2340
2341 DEBUG : Network.receive() - index
    outputIndexClient 0
2342
2343 DEBUG : Network.receive() - account number 12535
2344
2345 DEBUG : Network.receive() - outGoingBuffer status
    empty
2346
2347 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 12535
2348
2349 Account number 12535 Account Balance 750.0 Message
    done
2350
2351 Terminating client Sending thread - Running time
    53 milliseconds
2352
2353 Terminating client Receive thread - Running time
    55 milliseconds
2354
2355 DEBUG : Server.processTransactions() - 71 accounts
    updated
2356
2357 Terminating server thread - Running time 69
    milliseconds
```

2358
2359 Both Client and Network disconnected
2360
2361 Process finished with exit code 0
2362