

```
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=63233: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 ...
```

```
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 : Network.send() - account number 11528
46
47  DEBUG : Client.sendTransactions() - sending
            transaction on account 16783
48
49  DEBUG : Server.processTransactions() - transferring
            in account
50
51  DEBUG : Network.send() - index inputIndexClient 2
52
53  DEBUG : Network.send() - account number 16783
54
55  DEBUG : Network.transferIn - account number 31718
56
57  DEBUG : Client.sendTransactions() - sending
            transaction on account 10538
58
59  DEBUG : Network.send() - index inputIndexClient 3
60
61  DEBUG : Network.send() - account number 10538
62
```

```
63 DEBUG : Client.sendTransactions() - sending
transaction on account 21015
64
65 DEBUG : Network.send() - index inputIndexClient 4
66
67 DEBUG : Network.send() - account number 21015
68
69 DEBUG : Client.sendTransactions() - sending
transaction on account 61326
70
71 DEBUG : Network.send() - index inputIndexClient 5
72
73 DEBUG : Network.send() - account number 61326
74
75 DEBUG : Client.sendTransactions() - sending
transaction on account 82465
76
77 DEBUG : Network.transferIn() - index
outputIndexServer 0
78
79 DEBUG : Network.send() - index inputIndexClient 6
80
81 DEBUG : Network.send() - account number 82465
82
83 DEBUG : Network.transferIn() - account number 31718
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
```

```
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 10
106
107 DEBUG : Network.send() - account number 71854
108
109 DEBUG : Client.sendTransactions() - sending
transaction on account 92012
110
111 DEBUG : Network.send() - index inputIndexClient 11
112
113 DEBUG : Network.send() - account number 92012
114
115 DEBUG : Client.sendTransactions() - sending
transaction on account 52853
116
117 DEBUG : Network.send() - index inputIndexClient 12
118
119 DEBUG : Network.send() - account number 52853
120
121 DEBUG : Client.sendTransactions() - sending
transaction on account 41714
122
123 DEBUG : Network.send() - index inputIndexClient 13
124
125 DEBUG : Network.send() - account number 41714
126
127 DEBUG : Client.sendTransactions() - sending
transaction on account 58342
128
129 DEBUG : Network.send() - index inputIndexClient 14
130
131 DEBUG : Network.send() - account number 58342
132
```

```
133 DEBUG : Client.sendTransactions() - sending
transaction on account 62080
134
135 DEBUG : Network.send() - index inputIndexClient 15
136
137 DEBUG : Network.send() - account number 62080
138
139 DEBUG : Client.sendTransactions() - sending
transaction on account 21638
140
141 DEBUG : Network.send() - index inputIndexClient 16
142
143 DEBUG : Network.send() - account number 21638
144
145 DEBUG : Client.sendTransactions() - sending
transaction on account 52726
146
147 DEBUG : Network.send() - index inputIndexClient 17
148
149 DEBUG : Network.send() - account number 52726
150
151 DEBUG : Client.sendTransactions() - sending
transaction on account 91316
152
153 DEBUG : Network.send() - index inputIndexClient 18
154
155 DEBUG : Network.send() - account number 91316
156
157 DEBUG : Client.sendTransactions() - sending
transaction on account 60520
158
159 DEBUG : Network.send() - index inputIndexClient 19
160
161 DEBUG : Network.send() - account number 60520
162
163 DEBUG : Client.sendTransactions() - sending
transaction on account 23033
164
165 DEBUG : Network.send() - index inputIndexClient 0
166
167 DEBUG : Network.send() - account number 23033
```

```
168
169 DEBUG : Network.send() - inComingBuffer status full
170
171 DEBUG : Server.processTransactions() - Deposit of
172     90.0 in account 31718
173 DEBUG : Server.processTransactions() - transferring
174     out account 31718
175 DEBUG : Network.transferOut() - index
176     inputIndexServer 0
177 DEBUG : Network.transferOut() - account number
178     31718
179 DEBUG : Server.processTransactions() - transferring
179     in account 31718
180
181 DEBUG : Network.transferIn - account number 11528
182
183 DEBUG : Network.transferIn() - index
183     outputIndexServer 1
184
185 DEBUG : Network.transferIn() - account number 11528
186
187 DEBUG : Client.sendTransactions() - sending
187     transaction on account 41911
188
189 DEBUG : Network.send() - index inputIndexClient 1
190
191 DEBUG : Network.send() - account number 41911
192
193 DEBUG : Network.send() - inComingBuffer status full
194
195 DEBUG : Server.processTransactions() - Withdrawal
195     of 500.0 from account 11528
196
197 DEBUG : Server.processTransactions() - transferring
197     out account 11528
198
199 DEBUG : Network.transferOut() - index
```

```
199 inputIndexServer 1
200
201 DEBUG : Network.receive() - index outputIndexClient
202   0
203 DEBUG : Network.transferOut() - account number
204   11528
205 DEBUG : Network.receive() - account number 31718
206
207 DEBUG : Server.processTransactions() - transferring
208   in account 11528
209 DEBUG : Network.transferIn - account number 16783
210
211 DEBUG : Network.transferIn() - index
212   outputIndexServer 2
213 DEBUG : Network.transferIn() - account number 16783
214
215 DEBUG : Client.sendTransactions() - sending
216   transaction on account 39331
217 DEBUG : Server.processTransactions() - Withdrawal
218   of 20000.0 from account 16783
219 DEBUG : Server.processTransactions() - transferring
220   out account 16783
221 DEBUG : Client.receiveTransactions() - receiving
222   updated transaction on account 31718
223 DEBUG : Network.send() - index inputIndexClient 2
224
225 DEBUG : Network.send() - account number 39331
226
227 DEBUG : Network.transferOut() - index
228   inputIndexServer 2
229 DEBUG : Network.transferOut() - account number
229   16783
```

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230
231 DEBUG : Server.processTransactions() - transferring
in account 16783
232
233 DEBUG : Network.transferIn - account number 10538
234
235 DEBUG : Network.send() - inComingBuffer status full
236
237 DEBUG : Network.transferIn() - index
outputIndexServer 3
238
239 DEBUG : Network.transferIn() - account number 10538
240
241 DEBUG : Client.sendTransactions() - sending
transaction on account 91312
242
243 DEBUG : Network.send() - index inputIndexClient 3
244
245 DEBUG : Network.send() - account number 91312
246
247 DEBUG : Network.send() - inComingBuffer status full
248
249 DEBUG : Server.processTransactions() - Deposit of
20000.0 in account 10538
250
251 DEBUG : Server.processTransactions() - transferring
out account 10538
252
253 DEBUG : Network.transferOut() - index
inputIndexServer 3
254
255 DEBUG : Network.transferOut() - account number
10538
256
257 DEBUG : Server.processTransactions() - transferring
in account 10538
258
259 DEBUG : Network.transferIn - account number 21015
260
261 DEBUG : Network.transferIn() - index
outputIndexServer 4
```

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262
263 DEBUG : Network.transferIn() - account number 21015
264
265 DEBUG : Client.sendTransactions() - sending
transaction on account 15307
266
267 DEBUG : Network.send() - index inputIndexClient 4
268
269 DEBUG : Network.send() - account number 15307
270
271 DEBUG : Server.processTransactions() - Withdrawal
of 25.0 from account 21015
272
273 DEBUG : Server.processTransactions() - transferring
out account 21015
274
275 DEBUG : Network.send() - inComingBuffer status full
276
277 DEBUG : Network.transferOut() - index
inputIndexServer 4
278
279 DEBUG : Network.transferOut() - account number
21015
280
281 DEBUG : Server.processTransactions() - transferring
in account 21015
282
283 DEBUG : Network.transferIn - account number 61326
284
285 DEBUG : Network.transferIn() - index
outputIndexServer 5
286
287 DEBUG : Network.transferIn() - account number 61326
288
289 DEBUG : Client.sendTransactions() - sending
transaction on account 51728
290
291 DEBUG : Network.send() - index inputIndexClient 5
292
293 DEBUG : Network.send() - account number 51728
294
```

```
295 DEBUG : Network.send() - inComingBuffer status full
296
297 DEBUG : Server.processTransactions() - Obtaining
balance from account61326
298
299 DEBUG : Server.processTransactions() - transferring
out account 61326
300
301 DEBUG : Network.transferOut() - index
inputIndexServer 5
302
303 DEBUG : Network.transferOut() - account number
61326
304
305 DEBUG : Server.processTransactions() - transferring
in account 61326
306
307 DEBUG : Network.transferIn - account number 82465
308
309 DEBUG : Network.transferIn() - index
outputIndexServer 6
310
311 DEBUG : Network.transferIn() - account number 82465
312
313 DEBUG : Client.sendTransactions() - sending
transaction on account 43902
314
315 DEBUG : Server.processTransactions() - Deposit of
3000.0 in account 82465
316
317 DEBUG : Server.processTransactions() - transferring
out account 82465
318
319 DEBUG : Network.transferOut() - index
inputIndexServer 6
320
321 DEBUG : Network.transferOut() - account number
82465
322
323 DEBUG : Server.processTransactions() - transferring
in account 82465
```

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324
325 DEBUG : Network.transferIn - account number 31816
326
327 DEBUG : Network.send() - index inputIndexClient 6
328
329 DEBUG : Network.send() - account number 43902
330
331 DEBUG : Network.send() - inComingBuffer status full
332
333 DEBUG : Network.transferIn() - index
    outputIndexServer 7
334
335 DEBUG : Network.transferIn() - account number 31816
336
337 DEBUG : Client.sendTransactions() - sending
    transaction on account 52521
338
339 DEBUG : Network.send() - index inputIndexClient 7
340
341 DEBUG : Network.send() - account number 52521
342
343 DEBUG : Server.processTransactions() - Obtaining
    balance from account31816
344
345 DEBUG : Server.processTransactions() - transferring
    out account 31816
346
347 DEBUG : Network.transferOut() - index
    inputIndexServer 7
348
349 DEBUG : Network.transferOut() - account number
    31816
350
351 DEBUG : Server.processTransactions() - transferring
    in account 31816
352
353 DEBUG : Network.transferIn - account number 73745
354
355 DEBUG : Network.transferIn() - index
    outputIndexServer 8
356
```

```
357 DEBUG : Network.transferIn() - account number 73745
358
359 DEBUG : Network.send() - inComingBuffer status full
360
361 DEBUG : Client.sendTransactions() - sending
transaction on account 31215
362
363 DEBUG : Network.send() - index inputIndexClient 8
364
365 DEBUG : Network.send() - account number 31215
366
367 DEBUG : Network.send() - inComingBuffer status full
368
369 DEBUG : Server.processTransactions() - Deposit of
25.0 in account 73745
370
371 DEBUG : Server.processTransactions() - transferring
out account 73745
372
373 DEBUG : Network.transferOut() - index
inputIndexServer 8
374
375 DEBUG : Network.transferOut() - account number
73745
376
377 DEBUG : Server.processTransactions() - transferring
in account 73745
378
379 DEBUG : Network.transferIn - account number 81514
380
381 DEBUG : Network.transferIn() - index
outputIndexServer 9
382
383 DEBUG : Network.transferIn() - account number 81514
384
385 DEBUG : Client.sendTransactions() - sending
transaction on account 22310
386
387 DEBUG : Network.send() - index inputIndexClient 9
388
389 DEBUG : Network.send() - account number 22310
```

```
390
391 DEBUG : Network.send() - inComingBuffer status full
392
393 DEBUG : Server.processTransactions() - Withdrawal
   of 1500.0 from account 81514
394
395 DEBUG : Server.processTransactions() - transferring
   out account 81514
396
397 DEBUG : Network.transferOut() - index
   inputIndexServer 9
398
399 DEBUG : Network.transferOut() - account number
   81514
400
401 DEBUG : Server.processTransactions() - transferring
   in account 81514
402
403 DEBUG : Network.transferIn - account number 71854
404
405 DEBUG : Network.transferIn() - index
   outputIndexServer 10
406
407 DEBUG : Network.transferIn() - account number 71854
408
409 DEBUG : Client.sendTransactions() - sending
   transaction on account 26734
410
411 DEBUG : Network.send() - index inputIndexClient 10
412
413 DEBUG : Network.send() - account number 26734
414
415 DEBUG : Network.send() - inComingBuffer status full
416
417 DEBUG : Server.processTransactions() - Withdrawal
   of 5000.0 from account 71854
418
419 DEBUG : Server.processTransactions() - transferring
   out account 71854
420
421 DEBUG : Network.transferOut() - index
```

```
421 inputIndexServer 10
422
423 DEBUG : Network.transferOut() - account number
71854
424
425 DEBUG : Server.processTransactions() - transferring
in account 71854
426
427 DEBUG : Network.transferIn - account number 92012
428
429 DEBUG : Network.transferIn() - index
outputIndexServer 11
430
431 DEBUG : Network.transferIn() - account number 92012
432
433 DEBUG : Client.sendTransactions() - sending
transaction on account 41024
434
435 DEBUG : Network.send() - index inputIndexClient 11
436
437 DEBUG : Network.send() - account number 41024
438
439 DEBUG : Network.send() - inComingBuffer status full
440
441 DEBUG : Server.processTransactions() - Deposit of
725.0 in account 92012
442
443 DEBUG : Server.processTransactions() - transferring
out account 92012
444
445 DEBUG : Network.transferOut() - index
inputIndexServer 11
446
447 DEBUG : Network.transferOut() - account number
92012
448
449 DEBUG : Server.processTransactions() - transferring
in account 92012
450
451 DEBUG : Network.transferIn - account number 52853
452
```

```
453 DEBUG : Network.transferIn() - index
           outputIndexServer 12
454
455 DEBUG : Network.transferIn() - account number 52853
456
457 DEBUG : Client.sendTransactions() - sending
           transaction on account 38421
458
459 DEBUG : Network.send() - index inputIndexClient 12
460
461 DEBUG : Network.send() - account number 38421
462
463 DEBUG : Network.send() - inComingBuffer status full
464
465 DEBUG : Server.processTransactions() - Obtaining
           balance from account52853
466
467 DEBUG : Server.processTransactions() - transferring
           out account 52853
468
469 DEBUG : Network.transferOut() - index
           inputIndexServer 12
470
471 DEBUG : Network.transferOut() - account number
           52853
472
473 DEBUG : Server.processTransactions() - transferring
           in account 52853
474
475 DEBUG : Network.transferIn - account number 41714
476
477 DEBUG : Network.transferIn() - index
           outputIndexServer 13
478
479 DEBUG : Network.transferIn() - account number 41714
480
481 DEBUG : Client.sendTransactions() - sending
           transaction on account 70321
482
483 DEBUG : Server.processTransactions() - Deposit of
           100.0 in account 41714
```

```
484
485 DEBUG : Server.processTransactions() - transferring
        out account 41714
486
487 DEBUG : Network.send() - index inputIndexClient 13
488
489 DEBUG : Network.send() - account number 70321
490
491 DEBUG : Network.send() - inComingBuffer status full
492
493 DEBUG : Network.transferOut() - index
        inputIndexServer 13
494
495 DEBUG : Network.transferOut() - account number
        41714
496
497 DEBUG : Server.processTransactions() - transferring
        in account 41714
498
499 DEBUG : Network.transferIn - account number 58342
500
501 DEBUG : Network.transferIn() - index
        outputIndexServer 14
502
503 DEBUG : Network.transferIn() - account number 58342
504
505 DEBUG : Client.sendTransactions() - sending
        transaction on account 12421
506
507 DEBUG : Network.send() - index inputIndexClient 14
508
509 DEBUG : Network.send() - account number 12421
510
511 DEBUG : Network.send() - inComingBuffer status full
512
513 DEBUG : Server.processTransactions() - Withdrawal
        of 100.0 from account 58342
514
515 DEBUG : Server.processTransactions() - transferring
        out account 58342
516
```

```
517 DEBUG : Network.transferOut() - index  
    inputIndexServer 14  
518  
519 DEBUG : Network.transferOut() - account number  
    58342  
520  
521 DEBUG : Server.processTransactions() - transferring  
    in account 58342  
522  
523 DEBUG : Network.transferIn - account number 62080  
524  
525 DEBUG : Network.transferIn() - index  
    outputIndexServer 15  
526  
527 DEBUG : Network.transferIn() - account number 62080  
528  
529 DEBUG : Client.sendTransactions() - sending  
    transaction on account 82411  
530  
531 DEBUG : Network.send() - index inputIndexClient 15  
532  
533 DEBUG : Server.processTransactions() - Deposit of  
    55.0 in account 62080  
534  
535 DEBUG : Server.processTransactions() - transferring  
    out account 62080  
536  
537 DEBUG : Network.transferOut() - index  
    inputIndexServer 15  
538  
539 DEBUG : Network.transferOut() - account number  
    62080  
540  
541 DEBUG : Server.processTransactions() - transferring  
    in account 62080  
542  
543 DEBUG : Network.transferIn - account number 21638  
544  
545 DEBUG : Network.send() - account number 82411  
546  
547 DEBUG : Network.send() - inComingBuffer status full
```

```
548
549 DEBUG : Network.transferIn() - index
           outputIndexServer 16
550
551 DEBUG : Network.transferIn() - account number 21638
552
553 DEBUG : Client.sendTransactions() - sending
           transaction on account 21117
554
555 DEBUG : Network.send() - index inputIndexClient 16
556
557 DEBUG : Network.send() - account number 21117
558
559 DEBUG : Network.send() - inComingBuffer status full
560
561 DEBUG : Server.processTransactions() - Withdrawal
           of 1000.0 from account 21638
562
563 DEBUG : Server.processTransactions() - transferring
           out account 21638
564
565 DEBUG : Network.transferOut() - index
           inputIndexServer 16
566
567 DEBUG : Network.transferOut() - account number
           21638
568
569 DEBUG : Server.processTransactions() - transferring
           in account 21638
570
571 DEBUG : Network.transferIn - account number 52726
572
573 DEBUG : Network.transferIn() - index
           outputIndexServer 17
574
575 DEBUG : Network.transferIn() - account number 52726
576
577 DEBUG : Client.sendTransactions() - sending
           transaction on account 00925
578
579 DEBUG : Network.send() - index inputIndexClient 17
```

```
580
581 DEBUG : Network.send() - account number 00925
582
583 DEBUG : Network.send() - inComingBuffer status full
584
585 DEBUG : Server.processTransactions() - Withdrawal
      of 5000.0 from account 52726
586
587 DEBUG : Server.processTransactions() - transferring
      out account 52726
588
589 DEBUG : Network.transferOut() - index
      inputIndexServer 17
590
591 DEBUG : Network.transferOut() - account number
      52726
592
593 DEBUG : Server.processTransactions() - transferring
      in account 52726
594
595 DEBUG : Network.transferIn - account number 91316
596
597 DEBUG : Network.transferIn() - index
      outputIndexServer 18
598
599 DEBUG : Network.transferIn() - account number 91316
600
601 DEBUG : Server.processTransactions() - Obtaining
      balance from account91316
602
603 DEBUG : Server.processTransactions() - transferring
      out account 91316
604
605 DEBUG : Client.sendTransactions() - sending
      transaction on account 31820
606
607 DEBUG : Network.send() - index inputIndexClient 18
608
609 DEBUG : Network.transferOut() - index
      inputIndexServer 18
610
```

```
611 DEBUG : Network.send() - account number 31820
612
613 DEBUG : Network.send() - inComingBuffer status full
614
615 DEBUG : Network.transferOut() - account number
91316
616
617 DEBUG : Server.processTransactions() - transferring
in account 91316
618
619 DEBUG : Network.transferIn - account number 60520
620
621 DEBUG : Network.transferIn() - index
outputIndexServer 19
622
623 DEBUG : Network.transferIn() - account number 60520
624
625 DEBUG : Client.sendTransactions() - sending
transaction on account 91715
626
627 DEBUG : Network.send() - index inputIndexClient 19
628
629 DEBUG : Server.processTransactions() - Deposit of
1035.0 in account 60520
630
631 DEBUG : Server.processTransactions() - transferring
out account 60520
632
633 DEBUG : Network.transferOut() - index
inputIndexServer 19
634
635 DEBUG : Network.transferOut() - account number
60520
636
637 DEBUG : Server.processTransactions() - transferring
in account 60520
638
639 DEBUG : Network.transferIn - account number 23033
640
641 DEBUG : Network.transferIn() - index
outputIndexServer 0
```

```
642
643 DEBUG : Network.send() - account number 91715
644
645 DEBUG : Network.send() - inComingBuffer status full
646
647 DEBUG : Network.transferIn() - account number 23033
648
649 DEBUG : Client.sendTransactions() - sending
transaction on account 31012
650
651 DEBUG : Server.processTransactions() - Withdrawal
of 10000.0 from account 23033
652
653 DEBUG : Server.processTransactions() - transferring
out account 23033
654
655 DEBUG : Network.send() - index inputIndexClient 0
656
657 DEBUG : Network.send() - account number 31012
658
659 DEBUG : Network.send() - inComingBuffer status full
660
661 DEBUG : Network.transferOut() - index
inputIndexServer 0
662
663 DEBUG : Network.transferOut() - account number
23033
664
665 DEBUG : Network.transferOut() - outGoingBuffer
status full
666
667 DEBUG : Server.processTransactions() - transferring
in account 23033
668
669 DEBUG : Network.transferIn - account number 41911
670
671 DEBUG : Network.transferIn() - index
outputIndexServer 1
672
673 DEBUG : Network.transferIn() - account number 41911
674
```

```
675 DEBUG : Client.sendTransactions() - sending
transaction on account 32613
676
677 DEBUG : Network.send() - index inputIndexClient 1
678
679 DEBUG : Network.send() - account number 32613
680
681 DEBUG : Network.send() - inComingBuffer status full
682
683 DEBUG : Server.processTransactions() - Deposit of
220.0 in account 41911
684
685 Account number 31718 Account Balance 100.0 Message
done
686
687 DEBUG : Network.receive() - index outputIndexClient
1
688
689 DEBUG : Network.receive() - account number 11528
690
691 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 11528
692
693 DEBUG : Server.processTransactions() - transferring
out account 41911
694
695 Account number 11528 Account Balance 500.0 Message
done
696
697 DEBUG : Network.receive() - index outputIndexClient
2
698
699 DEBUG : Network.receive() - account number 16783
700
701 DEBUG : Network.transferOut() - index
inputIndexServer 1
702
703 DEBUG : Network.transferOut() - account number
41911
704
705 DEBUG : Server.processTransactions() - transferring
```

```
705 in account 41911
706
707 DEBUG : Network.transferIn - account number 39331
708
709 DEBUG : Network.transferIn() - index
    outputIndexServer 2
710
711 DEBUG : Network.transferIn() - account number 39331
712
713 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 16783
714
715 DEBUG : Server.processTransactions() - Withdrawal
    of 10.0 from account 39331
716
717 DEBUG : Server.processTransactions() - transferring
    out account 39331
718
719 DEBUG : Network.transferOut() - index
    inputIndexServer 2
720
721 DEBUG : Network.transferOut() - account number
    39331
722
723 DEBUG : Client.sendTransactions() - sending
    transaction on account 13133
724
725 Account number 16783 Account Balance 8000.0 Message
    done
726
727 DEBUG : Network.receive() - index outputIndexClient
    3
728
729 DEBUG : Network.receive() - account number 10538
730
731 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 10538
732
733 DEBUG : Network.transferOut() - outGoingBuffer
    status full
734
```

```
735 DEBUG : Server.processTransactions() - transferring
in account 39331
736
737 DEBUG : Network.transferIn - account number 91312
738
739 DEBUG : Network.transferIn() - index
outputIndexServer 3
740
741 DEBUG : Network.transferIn() - account number 91312
742
743 DEBUG : Network.send() - index inputIndexClient 2
744
745 DEBUG : Network.send() - account number 13133
746
747 DEBUG : Client.sendTransactions() - sending
transaction on account 43018
748
749 DEBUG : Network.send() - index inputIndexClient 3
750
751 DEBUG : Network.send() - account number 43018
752
753 DEBUG : Network.send() - inComingBuffer status full
754
755 Account number 10538 Account Balance 140000.0
Message done
756
757 DEBUG : Server.processTransactions() - Withdrawal
of 1850.0 from account 91312
758
759 DEBUG : Server.processTransactions() - transferring
out account 91312
760
761 DEBUG : Network.transferOut() - index
inputIndexServer 3
762
763 DEBUG : Network.receive() - index outputIndexClient
4
764
765 DEBUG : Network.receive() - account number 21015
766
767 DEBUG : Client.receiveTransactions() - receiving
```

```
767 updated transaction on account 21015
768
769 DEBUG : Network.transferOut() - account number
91312
770
771 Account number 21015 Account Balance 100.0 Message
done
772
773 DEBUG : Network.receive() - index outputIndexClient
5
774
775 DEBUG : Network.receive() - account number 61326
776
777 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 61326
778
779 DEBUG : Server.processTransactions() - transferring
in account 91312
780
781 DEBUG : Network.transferIn - account number 15307
782
783 DEBUG : Network.transferIn() - index
outputIndexServer 4
784
785 DEBUG : Network.transferIn() - account number 15307
786
787 DEBUG : Client.sendTransactions() - sending
transaction on account 91412
788
789 DEBUG : Network.send() - index inputIndexClient 4
790
791 DEBUG : Network.send() - account number 91412
792
793 DEBUG : Network.send() - inComingBuffer status full
794
795 Account number 61326 Account Balance 1750.0 Message
done
796
797 DEBUG : Network.receive() - index outputIndexClient
6
798
```

```
799 DEBUG : Network.receive() - account number 82465
800
801 DEBUG : Client.receiveTransactions() - receiving
     updated transaction on account 82465
802
803 DEBUG : Server.processTransactions() - Deposit of
     250.0 in account 15307
804
805 DEBUG : Server.processTransactions() - transferring
     out account 15307
806
807 DEBUG : Network.transferOut() - index
     inputIndexServer 4
808
809 DEBUG : Network.transferOut() - account number
     15307
810
811 Account number 82465 Account Balance 20000.0
     Message done
812
813 DEBUG : Network.receive() - index outputIndexClient
     7
814
815 DEBUG : Network.receive() - account number 31816
816
817 DEBUG : Client.receiveTransactions() - receiving
     updated transaction on account 31816
818
819 DEBUG : Server.processTransactions() - transferring
     in account 15307
820
821 Account number 31816 Account Balance 20500.0
     Message done
822
823 DEBUG : Network.receive() - index outputIndexClient
     8
824
825 DEBUG : Network.receive() - account number 73745
826
827 DEBUG : Network.transferIn - account number 51728
828
```

```
829 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 73745
830
831 Account number 73745 Account Balance 100.0 Message
done
832
833 DEBUG : Network.receive() - index outputIndexClient
9
834
835 DEBUG : Network.transferIn() - index
outputIndexServer 5
836
837 DEBUG : Network.transferIn() - account number 51728
838
839 DEBUG : Client.sendTransactions() - sending
transaction on account 11314
840
841 DEBUG : Network.receive() - account number 81514
842
843 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 81514
844
845 DEBUG : Server.processTransactions() - Withdrawal
of 800.0 from account 51728
846
847 DEBUG : Server.processTransactions() - transferring
out account 51728
848
849 DEBUG : Network.transferOut() - index
inputIndexServer 5
850
851 DEBUG : Network.transferOut() - account number
51728
852
853 DEBUG : Server.processTransactions() - transferring
in account 51728
854
855 DEBUG : Network.transferIn - account number 43902
856
857 DEBUG : Network.send() - index inputIndexClient 5
858
```

```
859 DEBUG : Network.send() - account number 11314
860
861 DEBUG : Network.send() - inComingBuffer status full
862
863 Account number 81514 Account Balance -200.0 Message
done
864
865 DEBUG : Network.receive() - index outputIndexClient
10
866
867 DEBUG : Network.receive() - account number 71854
868
869 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 71854
870
871 DEBUG : Network.transferIn() - index
outputIndexServer 6
872
873 DEBUG : Network.transferIn() - account number 43902
874
875 DEBUG : Client.sendTransactions() - sending
transaction on account 00812
876
877 DEBUG : Server.processTransactions() - Withdrawal
of 100.0 from account 43902
878
879 DEBUG : Server.processTransactions() - transferring
out account 43902
880
881 Account number 71854 Account Balance 10000.0
Message done
882
883 DEBUG : Network.send() - index inputIndexClient 6
884
885 DEBUG : Network.send() - account number 00812
886
887 DEBUG : Network.send() - inComingBuffer status full
888
889 DEBUG : Network.transferOut() - index
inputIndexServer 6
890
```

```
891 DEBUG : Network.transferOut() - account number  
43902  
892  
893 DEBUG : Server.processTransactions() - transferring  
in account 43902  
894  
895 DEBUG : Network.transferIn - account number 52521  
896  
897 DEBUG : Network.transferIn() - index  
outputIndexServer 7  
898  
899 DEBUG : Network.receive() - index outputIndexClient  
11  
900  
901 DEBUG : Network.receive() - account number 92012  
902  
903 DEBUG : Client.receiveTransactions() - receiving  
updated transaction on account 92012  
904  
905 DEBUG : Network.transferIn() - account number 52521  
906  
907 DEBUG : Client.sendTransactions() - sending  
transaction on account 61527  
908  
909 Account number 92012 Account Balance 750.0 Message  
done  
910  
911 DEBUG : Server.processTransactions() - Deposit of  
1800.0 in account 52521  
912  
913 DEBUG : Network.send() - index inputIndexClient 7  
914  
915 DEBUG : Network.send() - account number 61527  
916  
917 DEBUG : Network.send() - inComingBuffer status full  
918  
919 DEBUG : Network.receive() - index outputIndexClient  
12  
920  
921 DEBUG : Network.receive() - account number 52853  
922
```

```
923 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 52853
924
925 DEBUG : Server.processTransactions() - transferring
out account 52521
926
927 DEBUG : Network.transferOut() - index
inputIndexServer 7
928
929 DEBUG : Network.transferOut() - account number
52521
930
931 DEBUG : Server.processTransactions() - transferring
in account 52521
932
933 DEBUG : Network.transferIn - account number 31215
934
935 Account number 52853 Account Balance 1000.0 Message
done
936
937 DEBUG : Network.transferIn() - index
outputIndexServer 8
938
939 DEBUG : Network.transferIn() - account number 31215
940
941 DEBUG : Client.sendTransactions() - sending
transaction on account 43817
942
943 DEBUG : Network.send() - index inputIndexClient 8
944
945 DEBUG : Network.send() - account number 43817
946
947 DEBUG : Network.receive() - index outputIndexClient
13
948
949 DEBUG : Network.receive() - account number 41714
950
951 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 41714
952
953 DEBUG : Server.processTransactions() - Obtaining
```

```
953 balance from account31215
954
955 DEBUG : Server.processTransactions() - transferring
out account 31215
956
957 DEBUG : Network.transferOut() - index
inputIndexServer 8
958
959 DEBUG : Network.transferOut() - account number
31215
960
961 DEBUG : Server.processTransactions() - transferring
in account 31215
962
963 DEBUG : Network.transferIn - account number 22310
964
965 DEBUG : Network.transferIn() - index
outputIndexServer 9
966
967 DEBUG : Network.transferIn() - account number 22310
968
969 DEBUG : Network.send() - inComingBuffer status full
970
971 DEBUG : Client.sendTransactions() - sending
transaction on account 92018
972
973 DEBUG : Network.send() - index inputIndexClient 9
974
975 DEBUG : Network.send() - account number 92018
976
977 DEBUG : Network.send() - inComingBuffer status full
978
979 Account number 41714 Account Balance 1100.0 Message
done
980
981 DEBUG : Network.receive() - index outputIndexClient
14
982
983 DEBUG : Network.receive() - account number 58342
984
985 DEBUG : Client.receiveTransactions() - receiving
```

```
985 updated transaction on account 58342
986
987 DEBUG : Server.processTransactions() - Deposit of
80.0 in account 22310
988
989 DEBUG : Server.processTransactions() -
transferring out account 22310
990
991 DEBUG : Network.transferOut() - index
inputIndexServer 9
992
993 DEBUG : Network.transferOut() - account number
22310
994
995 Account number 58342 Account Balance 0.0 Message
done
996
997 DEBUG : Network.receive() - index
outputIndexClient 15
998
999 DEBUG : Network.receive() - account number 62080
1000
1001 DEBUG : Server.processTransactions() -
transferring in account 22310
1002
1003 DEBUG : Network.transferIn - account number 26734
1004
1005 DEBUG : Network.transferIn() - index
outputIndexServer 10
1006
1007 DEBUG : Network.transferIn() - account number
26734
1008
1009 DEBUG : Client.sendTransactions() - sending
transaction on account 42850
1010
1011 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 62080
1012
1013 DEBUG : Server.processTransactions() - Withdrawal
of 90.0 from account 26734
```

```
1014
1015 DEBUG : Server.processTransactions() -
    transferring out account 26734
1016
1017 DEBUG : Network.transferOut() - index
    inputIndexServer 10
1018
1019 DEBUG : Network.transferOut() - account number
    26734
1020
1021 DEBUG : Network.send() - index inputIndexClient 10
1022
1023 DEBUG : Network.send() - account number 42850
1024
1025 DEBUG : Network.send() - inComingBuffer status
    full
1026
1027 Account number 62080 Account Balance 100.0 Message
    done
1028
1029 DEBUG : Network.receive() - index
    outputIndexClient 16
1030
1031 DEBUG : Network.receive() - account number 21638
1032
1033 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 21638
1034
1035 DEBUG : Server.processTransactions() -
    transferring in account 26734
1036
1037 DEBUG : Network.transferIn - account number 41024
1038
1039 DEBUG : Network.transferIn() - index
    outputIndexServer 11
1040
1041 DEBUG : Network.transferIn() - account number
    41024
1042
1043 Account number 21638 Account Balance -1000.0
    Message done
```

```
1044
1045 DEBUG : Network.receive() - index
    outputIndexClient 17
1046
1047 DEBUG : Network.receive() - account number 52726
1048
1049 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 52726
1050
1051 DEBUG : Client.sendTransactions() - sending
    transaction on account 92716
1052
1053 DEBUG : Network.send() - index inputIndexClient 11
1054
1055 DEBUG : Network.send() - account number 92716
1056
1057 DEBUG : Network.send() - inComingBuffer status
    full
1058
1059 DEBUG : Server.processTransactions() - Deposit of
    495.0 in account 41024
1060
1061 DEBUG : Server.processTransactions() -
    transferring out account 41024
1062
1063 DEBUG : Network.transferOut() - index
    inputIndexServer 11
1064
1065 DEBUG : Network.transferOut() - account number
    41024
1066
1067 DEBUG : Server.processTransactions() -
    transferring in account 41024
1068
1069 Account number 52726 Account Balance 33000.0
    Message done
1070
1071 DEBUG : Network.receive() - index
    outputIndexClient 18
1072
1073 DEBUG : Network.receive() - account number 91316
```

```
1074
1075 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 91316
1076
1077 DEBUG : Network.transferIn - account number 38421
1078
1079 Account number 91316 Account Balance 65000.0
           Message done
1080
1081 DEBUG : Network.receive() - index
           outputIndexClient 19
1082
1083 DEBUG : Network.receive() - account number 60520
1084
1085 DEBUG : Network.transferIn() - index
           outputIndexServer 12
1086
1087 DEBUG : Network.transferIn() - account number
           38421
1088
1089 DEBUG : Client.sendTransactions() - sending
           transaction on account 01113
1090
1091 DEBUG : Server.processTransactions() - Deposit of
           500.0 in account 38421
1092
1093 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 60520
1094
1095 DEBUG : Network.send() - index inputIndexClient 12
1096
1097 DEBUG : Network.send() - account number 01113
1098
1099 DEBUG : Server.processTransactions() -
           transferring out account 38421
1100
1101 DEBUG : Network.transferOut() - index
           inputIndexServer 12
1102
1103 DEBUG : Network.transferOut() - account number
           38421
```

```
1104
1105 DEBUG : Server.processTransactions() -
    transferring in account 38421
1106
1107 DEBUG : Network.transferIn - account number 70321
1108
1109 DEBUG : Network.transferIn() - index
    outputIndexServer 13
1110
1111 DEBUG : Network.transferIn() - account number
    70321
1112
1113 Account number 60520 Account Balance 1100.0
    Message done
1114
1115 DEBUG : Network.receive() - index
    outputIndexClient 0
1116
1117 DEBUG : Network.receive() - account number 23033
1118
1119 DEBUG : Network.send() - inComingBuffer status
    full
1120
1121 DEBUG : Client.sendTransactions() - sending
    transaction on account 60716
1122
1123 DEBUG : Server.processTransactions() - Obtaining
    balance from account 70321
1124
1125 DEBUG : Server.processTransactions() -
    transferring out account 70321
1126
1127 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 23033
1128
1129 DEBUG : Network.send() - index inputIndexClient 13
1130
1131 DEBUG : Network.send() - account number 60716
1132
1133 DEBUG : Network.send() - inComingBuffer status
    full
```

```
1134
1135 DEBUG : Network.transferOut() - index
    inputIndexServer 13
1136
1137 Account number 23033 Account Balance 30000.0
    Message done
1138
1139 DEBUG : Network.receive() - index
    outputIndexClient 1
1140
1141 DEBUG : Network.receive() - account number 41911
1142
1143 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 41911
1144
1145 DEBUG : Network.transferOut() - account number
    70321
1146
1147 DEBUG : Server.processTransactions() -
    transferring in account 70321
1148
1149 DEBUG : Network.transferIn - account number 12421
1150
1151 Account number 41911 Account Balance 1500.0
    Message done
1152
1153 DEBUG : Network.transferIn() - index
    outputIndexServer 14
1154
1155 DEBUG : Network.transferIn() - account number
    12421
1156
1157 DEBUG : Network.receive() - index
    outputIndexClient 2
1158
1159 DEBUG : Network.receive() - account number 39331
1160
1161 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 39331
1162
1163 DEBUG : Client.sendTransactions() - sending
```

```
1163 transaction on account 01823
1164
1165 DEBUG : Network.send() - index inputIndexClient 14
1166
1167 DEBUG : Network.send() - account number 01823
1168
1169 DEBUG : Network.send() - inComingBuffer status
    full
1170
1171 DEBUG : Server.processTransactions() - Withdrawal
    of 90.0 from account 12421
1172
1173 Account number 39331 Account Balance 0.0 Message
    done
1174
1175 DEBUG : Network.receive() - index
    outputIndexClient 3
1176
1177 DEBUG : Network.receive() - account number 91312
1178
1179 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 91312
1180
1181 DEBUG : Server.processTransactions() -
    transferring out account 12421
1182
1183 Account number 91312 Account Balance 1000.0
    Message done
1184
1185 DEBUG : Network.transferOut() - index
    inputIndexServer 14
1186
1187 DEBUG : Network.transferOut() - account number
    12421
1188
1189 DEBUG : Network.receive() - index
    outputIndexClient 4
1190
1191 DEBUG : Network.receive() - account number 15307
1192
1193 DEBUG : Client.receiveTransactions() - receiving
```

```
1193 updated transaction on account 15307
1194
1195 DEBUG : Server.processTransactions() -
transferring in account 12421
1196
1197 Account number 15307 Account Balance 300.0 Message
done
1198
1199 DEBUG : Network.receive() - index
outputIndexClient 5
1200
1201 DEBUG : Network.receive() - account number 51728
1202
1203 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 51728
1204
1205 DEBUG : Network.transferIn - account number 82411
1206
1207 Account number 51728 Account Balance -800.0
Message done
1208
1209 DEBUG : Network.transferIn() - index
outputIndexServer 15
1210
1211 DEBUG : Network.transferIn() - account number
82411
1212
1213 DEBUG : Network.receive() - index
outputIndexClient 6
1214
1215 DEBUG : Server.processTransactions() - Withdrawal
of 500.0 from account 82411
1216
1217 DEBUG : Server.processTransactions() -
transferring out account 82411
1218
1219 DEBUG : Network.transferOut() - index
inputIndexServer 15
1220
1221 DEBUG : Network.receive() - account number 43902
1222
```

```
1223 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 43902
1224
1225 DEBUG : Network.transferOut() - account number
           82411
1226
1227 DEBUG : Server.processTransactions() -
           transferring in account 82411
1228
1229 DEBUG : Network.transferIn - account number 21117
1230
1231 DEBUG : Network.transferIn() - index
           outputIndexServer 16
1232
1233 DEBUG : Network.transferIn() - account number
           21117
1234
1235 DEBUG : Client.sendTransactions() - sending
           transaction on account 13331
1236
1237 DEBUG : Network.send() - index inputIndexClient 15
1238
1239 Account number 43902 Account Balance 1000.0
           Message done
1240
1241 DEBUG : Network.receive() - index
           outputIndexClient 7
1242
1243 DEBUG : Network.receive() - account number 52521
1244
1245 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 52521
1246
1247 DEBUG : Server.processTransactions() - Deposit of
           15.0 in account 21117
1248
1249 Account number 52521 Account Balance 7000.0
           Message done
1250
1251 DEBUG : Server.processTransactions() -
           transferring out account 21117
```

```
1252
1253 DEBUG : Network.transferOut() - index
    inputIndexServer 16
1254
1255 DEBUG : Network.transferOut() - account number
    21117
1256
1257 DEBUG : Network.send() - account number 13331
1258
1259 DEBUG : Client.sendTransactions() - sending
    transaction on account 81368
1260
1261 DEBUG : Network.send() - index inputIndexClient 16
1262
1263 DEBUG : Network.send() - account number 81368
1264
1265 DEBUG : Network.send() - inComingBuffer status
    full
1266
1267 DEBUG : Network.receive() - index
    outputIndexClient 8
1268
1269 DEBUG : Network.receive() - account number 31215
1270
1271 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 31215
1272
1273 Account number 31215 Account Balance 2000.0
    Message done
1274
1275 DEBUG : Network.receive() - index
    outputIndexClient 9
1276
1277 DEBUG : Network.receive() - account number 22310
1278
1279 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 22310
1280
1281 Account number 22310 Account Balance 100.0 Message
    done
1282
```

```
1283 DEBUG : Network.receive() - index
    outputIndexClient 10
1284
1285 DEBUG : Network.receive() - account number 26734
1286
1287 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 26734
1288
1289 DEBUG : Server.processTransactions() -
    transferring in account 21117
1290
1291 Account number 26734 Account Balance 600.0 Message
    done
1292
1293 DEBUG : Network.receive() - index
    outputIndexClient 11
1294
1295 DEBUG : Network.receive() - account number 41024
1296
1297 DEBUG : Network.transferIn - account number 00925
1298
1299 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 41024
1300
1301 Account number 41024 Account Balance 1500.0
    Message done
1302
1303 DEBUG : Network.receive() - index
    outputIndexClient 12
1304
1305 DEBUG : Network.receive() - account number 38421
1306
1307 DEBUG : Network.transferIn() - index
    outputIndexServer 17
1308
1309 DEBUG : Network.transferIn() - account number
    00925
1310
1311 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 38421
1312
```

```
1313 Account number 38421 Account Balance 5800.0
      Message done
1314
1315 DEBUG : Server.processTransactions() - Deposit of
      325.0 in account 00925
1316
1317 DEBUG : Server.processTransactions() -
      transferring out account 00925
1318
1319 DEBUG : Client.sendTransactions() - sending
      transaction on account 91214
1320
1321 DEBUG : Network.receive() - index
      outputIndexClient 13
1322
1323 DEBUG : Network.receive() - account number 70321
1324
1325 DEBUG : Client.receiveTransactions() - receiving
      updated transaction on account 70321
1326
1327 DEBUG : Network.transferOut() - index
      inputIndexServer 17
1328
1329 DEBUG : Network.transferOut() - account number
      00925
1330
1331 DEBUG : Server.processTransactions() -
      transferring in account 00925
1332
1333 DEBUG : Network.transferIn - account number 31820
1334
1335 DEBUG : Network.transferIn() - index
      outputIndexServer 18
1336
1337 DEBUG : Network.transferIn() - account number
      31820
1338
1339 DEBUG : Network.send() - index inputIndexClient 17
1340
1341 Account number 70321 Account Balance 0.0 Message
      done
```

```
1342
1343 DEBUG : Server.processTransactions() - Withdrawal
of 900.0 from account 31820
1344
1345 DEBUG : Server.processTransactions() -
transferring out account 31820
1346
1347 DEBUG : Network.send() - account number 91214
1348
1349 DEBUG : Client.sendTransactions() - sending
transaction on account 91245
1350
1351 DEBUG : Network.send() - index inputIndexClient 18
1352
1353 DEBUG : Network.send() - account number 91245
1354
1355 DEBUG : Network.receive() - index
outputIndexClient 14
1356
1357 DEBUG : Network.receive() - account number 12421
1358
1359 DEBUG : Network.transferOut() - index
inputIndexServer 18
1360
1361 DEBUG : Network.transferOut() - account number
31820
1362
1363 DEBUG : Server.processTransactions() -
transferring in account 31820
1364
1365 DEBUG : Network.send() - inComingBuffer status
full
1366
1367 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 12421
1368
1369 DEBUG : Network.transferIn - account number 91715
1370
1371 DEBUG : Network.transferIn() - index
outputIndexServer 19
1372
```

```
1373 DEBUG : Network.transferIn() - account number
91715
1374
1375 DEBUG : Client.sendTransactions() - sending
transaction on account 42018
1376
1377 DEBUG : Network.send() - index inputIndexClient 19
1378
1379 DEBUG : Network.send() - account number 42018
1380
1381 Account number 12421 Account Balance 1000.0
Message done
1382
1383 DEBUG : Network.receive() - index
outputIndexClient 15
1384
1385 DEBUG : Network.receive() - account number 82411
1386
1387 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 82411
1388
1389 DEBUG : Server.processTransactions() - Deposit of
35.0 in account 91715
1390
1391 Account number 82411 Account Balance -400.0
Message done
1392
1393 DEBUG : Network.send() - inComingBuffer status
full
1394
1395 DEBUG : Server.processTransactions() -
transferring out account 91715
1396
1397 DEBUG : Network.receive() - index
outputIndexClient 16
1398
1399 DEBUG : Network.receive() - account number 21117
1400
1401 DEBUG : Network.transferOut() - index
inputIndexServer 19
1402
```

```
1403 DEBUG : Network.transferOut() - account number
91715
1404
1405 DEBUG : Server.processTransactions() -
transferring in account 91715
1406
1407 DEBUG : Network.transferIn - account number 31012
1408
1409 DEBUG : Network.transferIn() - index
outputIndexServer 0
1410
1411 DEBUG : Network.transferIn() - account number
31012
1412
1413 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 21117
1414
1415 DEBUG : Client.sendTransactions() - sending
transaction on account 62023
1416
1417 DEBUG : Network.send() - index inputIndexClient 0
1418
1419 DEBUG : Server.processTransactions() - Withdrawal
of 1000.0 from account 31012
1420
1421 Account number 21117 Account Balance 100.0 Message
done
1422
1423 DEBUG : Network.send() - account number 62023
1424
1425 DEBUG : Network.send() - inComingBuffer status
full
1426
1427 DEBUG : Server.processTransactions() -
transferring out account 31012
1428
1429 DEBUG : Network.transferOut() - index
inputIndexServer 0
1430
1431 DEBUG : Network.receive() - index
outputIndexClient 17
```

```
1432
1433 DEBUG : Network.receive() - account number 00925
1434
1435 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 00925
1436
1437 DEBUG : Network.transferOut() - account number
           31012
1438
1439 DEBUG : Server.processTransactions() -
           transferring in account 31012
1440
1441 DEBUG : Network.transferIn - account number 32613
1442
1443 Account number 00925 Account Balance 1000.0
           Message done
1444
1445 DEBUG : Network.receive() - index
           outputIndexClient 18
1446
1447 DEBUG : Network.receive() - account number 31820
1448
1449 DEBUG : Network.transferIn() - index
           outputIndexServer 1
1450
1451 DEBUG : Network.transferIn() - account number
           32613
1452
1453 DEBUG : Client.sendTransactions() - sending
           transaction on account 01314
1454
1455 DEBUG : Network.send() - index inputIndexClient 1
1456
1457 DEBUG : Network.send() - account number 01314
1458
1459 DEBUG : Network.send() - inComingBuffer status
           full
1460
1461 DEBUG : Client.receiveTransactions() - receiving
           updated transaction on account 31820
1462
```

```
1463 DEBUG : Server.processTransactions() - Deposit of
1500.0 in account 32613
1464
1465 Account number 31820 Account Balance 1000.0
Message done
1466
1467 DEBUG : Server.processTransactions() -
transferring out account 32613
1468
1469 DEBUG : Network.receive() - index
outputIndexClient 19
1470
1471 DEBUG : Network.receive() - account number 91715
1472
1473 DEBUG : Network.transferOut() - index
inputIndexServer 1
1474
1475 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 91715
1476
1477 DEBUG : Network.transferOut() - account number
32613
1478
1479 Account number 91715 Account Balance 100.0 Message
done
1480
1481 DEBUG : Network.receive() - index
outputIndexClient 0
1482
1483 DEBUG : Network.receive() - account number 31012
1484
1485 DEBUG : Server.processTransactions() -
transferring in account 32613
1486
1487 DEBUG : Network.transferIn - account number 13133
1488
1489 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 31012
1490
1491 DEBUG : Network.transferIn() - index
outputIndexServer 2
```

```
1492
1493 DEBUG : Network.transferIn() - account number
13133
1494
1495 DEBUG : Client.sendTransactions() - sending
transaction on account 20922
1496
1497 DEBUG : Network.send() - index inputIndexClient 2
1498
1499 DEBUG : Network.send() - account number 20922
1500
1501 Account number 31012 Account Balance -1000.0
Message done
1502
1503 DEBUG : Network.receive() - index
outputIndexClient 1
1504
1505 DEBUG : Network.receive() - account number 32613
1506
1507 DEBUG : Server.processTransactions() - Withdrawal
of 300.0 from account 13133
1508
1509 DEBUG : Network.send() - inComingBuffer status
full
1510
1511 DEBUG : Server.processTransactions() -
transferring out account 13133
1512
1513 DEBUG : Network.transferOut() - index
inputIndexServer 2
1514
1515 DEBUG : Network.transferOut() - account number
13133
1516
1517 DEBUG : Server.processTransactions() -
transferring in account 13133
1518
1519 DEBUG : Network.transferIn - account number 43018
1520
1521 DEBUG : Network.transferIn() - index
outputIndexServer 3
```

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1522
1523 DEBUG : Network.transferIn() - account number
        43018
1524
1525 DEBUG : Client.sendTransactions() - sending
        transaction on account 21219
1526
1527 DEBUG : Network.receive() - outGoingBuffer status
        empty
1528
1529 DEBUG : Client.receiveTransactions() - receiving
        updated transaction on account 32613
1530
1531 DEBUG : Server.processTransactions() - Deposit of
        250.0 in account 43018
1532
1533 Account number 32613 Account Balance 3000.0
        Message done
1534
1535 DEBUG : Server.processTransactions() -
        transferring out account 43018
1536
1537 DEBUG : Network.send() - index inputIndexClient 3
1538
1539 DEBUG : Network.send() - account number 21219
1540
1541 DEBUG : Network.send() - inComingBuffer status
        full
1542
1543 DEBUG : Network.receive() - index
        outputIndexClient 2
1544
1545 DEBUG : Network.receive() - account number 13133
1546
1547 DEBUG : Network.transferOut() - index
        inputIndexServer 3
1548
1549 DEBUG : Network.receive() - outGoingBuffer status
        empty
1550
1551 DEBUG : Client.receiveTransactions() - receiving
```

```
1551 updated transaction on account 13133
1552
1553 DEBUG : Network.transferOut() - account number
43018
1554
1555 Account number 13133 Account Balance -100.0
Message done
1556
1557 DEBUG : Server.processTransactions() -
transferring in account 43018
1558
1559 DEBUG : Network.transferIn - account number 91412
1560
1561 DEBUG : Network.transferIn() - index
outputIndexServer 4
1562
1563 DEBUG : Network.transferIn() - account number
91412
1564
1565 DEBUG : Client.sendTransactions() - sending
transaction on account 83530
1566
1567 DEBUG : Network.send() - index inputIndexClient 4
1568
1569 DEBUG : Network.send() - account number 83530
1570
1571 DEBUG : Network.receive() - index
outputIndexClient 3
1572
1573 DEBUG : Network.receive() - account number 43018
1574
1575 DEBUG : Network.receive() - outGoingBuffer status
empty
1576
1577 DEBUG : Server.processTransactions() - Deposit of
305.0 in account 91412
1578
1579 DEBUG : Server.processTransactions() -
transferring out account 91412
1580
1581 DEBUG : Network.transferOut() - index
```

```
1581 inputIndexServer 4
1582
1583 DEBUG : Network.send() - inComingBuffer status
    full
1584
1585 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 43018
1586
1587 DEBUG : Network.transferOut() - account number
    91412
1588
1589 Account number 43018 Account Balance 500.0 Message
    done
1590
1591 DEBUG : Server.processTransactions() -
    transferring in account 91412
1592
1593 DEBUG : Network.transferIn - account number 11314
1594
1595 DEBUG : Network.receive() - index
    outputIndexClient 4
1596
1597 DEBUG : Network.receive() - account number 91412
1598
1599 DEBUG : Network.receive() - outGoingBuffer status
    empty
1600
1601 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 91412
1602
1603 DEBUG : Network.transferIn() - index
    outputIndexServer 5
1604
1605 Account number 91412 Account Balance 400.0 Message
    done
1606
1607 DEBUG : Network.transferIn() - account number
    11314
1608
1609 DEBUG : Client.sendTransactions() - sending
    transaction on account 83830
```

```
1610
1611 DEBUG : Server.processTransactions() - Deposit of
1000.0 in account 11314
1612
1613 DEBUG : Network.send() - index inputIndexClient 5
1614
1615 DEBUG : Network.send() - account number 83830
1616
1617 DEBUG : Server.processTransactions() -
transferring out account 11314
1618
1619 DEBUG : Network.send() - inComingBuffer status
full
1620
1621 DEBUG : Network.transferOut() - index
inputIndexServer 5
1622
1623 DEBUG : Network.transferOut() - account number
11314
1624
1625 DEBUG : Server.processTransactions() -
transferring in account 11314
1626
1627 DEBUG : Network.receive() - index
outputIndexClient 5
1628
1629 DEBUG : Network.receive() - account number 11314
1630
1631 DEBUG : Network.transferIn - account number 00812
1632
1633 DEBUG : Network.transferIn() - index
outputIndexServer 6
1634
1635 DEBUG : Network.transferIn() - account number
00812
1636
1637 DEBUG : Network.receive() - outGoingBuffer status
empty
1638
1639 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 11314
```

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1640
1641 DEBUG : Client.sendTransactions() - sending
transaction on account 72820
1642
1643 Account number 11314 Account Balance 1000.0
Message done
1644
1645 DEBUG : Server.processTransactions() - Obtaining
balance from account 00812
1646
1647 DEBUG : Network.send() - index inputIndexClient 6
1648
1649 DEBUG : Network.send() - account number 72820
1650
1651 DEBUG : Server.processTransactions() -
transferring out account 00812
1652
1653 DEBUG : Network.send() - inComingBuffer status
full
1654
1655 DEBUG : Network.transferOut() - index
inputIndexServer 6
1656
1657 DEBUG : Network.transferOut() - account number
00812
1658
1659 DEBUG : Server.processTransactions() -
transferring in account 00812
1660
1661 DEBUG : Network.receive() - index
outputIndexClient 6
1662
1663 DEBUG : Network.receive() - account number 00812
1664
1665 DEBUG : Network.receive() - outGoingBuffer status
empty
1666
1667 DEBUG : Network.transferIn - account number 61527
1668
1669 DEBUG : Network.transferIn() - index
outputIndexServer 7
```

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1670
1671 DEBUG : Network.transferIn() - account number
       61527
1672
1673 DEBUG : Client.sendTransactions() - sending
       transaction on account 92318
1674
1675 DEBUG : Client.receiveTransactions() - receiving
       updated transaction on account 00812
1676
1677 DEBUG : Server.processTransactions() - Withdrawal
       of 10000.0 from account 61527
1678
1679 DEBUG : Server.processTransactions() -
       transferring out account 61527
1680
1681 Account number 00812 Account Balance 1620.0
       Message done
1682
1683 DEBUG : Network.send() - index inputIndexClient 7
1684
1685 DEBUG : Network.send() - account number 92318
1686
1687 DEBUG : Network.send() - inComingBuffer status
       full
1688
1689 DEBUG : Network.transferOut() - index
       inputIndexServer 7
1690
1691 DEBUG : Network.transferOut() - account number
       61527
1692
1693 DEBUG : Server.processTransactions() -
       transferring in account 61527
1694
1695 DEBUG : Network.receive() - index
       outputIndexClient 7
1696
1697 DEBUG : Network.receive() - account number 61527
1698
1699 DEBUG : Network.receive() - outGoingBuffer status
```

```
1699 empty
1700
1701 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 61527
1702
1703 DEBUG : Network.transferIn - account number 43817
1704
1705 Account number 61527 Account Balance 0.0 Message
    done
1706
1707 DEBUG : Network.transferIn() - index
    outputIndexServer 8
1708
1709 DEBUG : Network.transferIn() - account number
    43817
1710
1711 DEBUG : Client.sendTransactions() - sending
    transaction on account 42520
1712
1713 DEBUG : Network.send() - index inputIndexClient 8
1714
1715 DEBUG : Network.send() - account number 42520
1716
1717 DEBUG : Server.processTransactions() - Deposit of
    65.0 in account 43817
1718
1719 DEBUG : Network.send() - inComingBuffer status
    full
1720
1721 DEBUG : Server.processTransactions() -
    transferring out account 43817
1722
1723 DEBUG : Network.transferOut() - index
    inputIndexServer 8
1724
1725 DEBUG : Network.transferOut() - account number
    43817
1726
1727 DEBUG : Server.processTransactions() -
    transferring in account 43817
1728
```

```
1729 DEBUG : Network.receive() - index
    outputIndexClient 8
1730
1731 DEBUG : Network.receive() - account number 43817
1732
1733 DEBUG : Network.transferIn - account number 92018
1734
1735 DEBUG : Network.transferIn() - index
    outputIndexServer 9
1736
1737 DEBUG : Network.transferIn() - account number
    92018
1738
1739 DEBUG : Client.sendTransactions() - sending
    transaction on account 61612
1740
1741 DEBUG : Server.processTransactions() - Withdrawal
    of 250.0 from account 92018
1742
1743 DEBUG : Network.send() - index inputIndexClient 9
1744
1745 DEBUG : Network.send() - account number 61612
1746
1747 DEBUG : Network.send() - inComingBuffer status
    full
1748
1749 DEBUG : Network.receive() - outGoingBuffer status
    empty
1750
1751 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 43817
1752
1753 DEBUG : Server.processTransactions() -
    transferring out account 92018
1754
1755 DEBUG : Network.transferOut() - index
    inputIndexServer 9
1756
1757 DEBUG : Network.transferOut() - account number
    92018
1758
```

```
1759 DEBUG : Server.processTransactions() -  
    transferring in account 92018  
1760  
1761 DEBUG : Network.transferIn - account number 42850  
1762  
1763 Account number 43817 Account Balance 100.0 Message  
    done  
1764  
1765 DEBUG : Network.transferIn() - index  
    outputIndexServer 10  
1766  
1767 DEBUG : Network.receive() - index  
    outputIndexClient 9  
1768  
1769 DEBUG : Network.receive() - account number 92018  
1770  
1771 DEBUG : Network.receive() - outGoingBuffer status  
    empty  
1772  
1773 DEBUG : Network.transferIn() - account number  
    42850  
1774  
1775 DEBUG : Client.sendTransactions() - sending  
    transaction on account 12535  
1776  
1777 DEBUG : Server.processTransactions() - Deposit of  
    655.0 in account 42850  
1778  
1779 DEBUG : Server.processTransactions() -  
    transferring out account 42850  
1780  
1781 DEBUG : Client.receiveTransactions() - receiving  
    updated transaction on account 92018  
1782  
1783 DEBUG : Network.send() - index inputIndexClient 10  
1784  
1785 DEBUG : Network.send() - account number 12535  
1786  
1787 DEBUG : Network.transferOut() - index  
    inputIndexServer 10  
1788
```

```
1789 DEBUG : Network.send() - inComingBuffer status
    full
1790
1791 Account number 92018 Account Balance -250.0
    Message done
1792
1793 DEBUG : Network.transferOut() - account number
    42850
1794
1795 DEBUG : Server.processTransactions() -
    transferring in account 42850
1796
1797 DEBUG : Network.transferIn - account number 92716
1798
1799 DEBUG : Network.receive() - index
    outputIndexClient 10
1800
1801 DEBUG : Network.transferIn() - index
    outputIndexServer 11
1802
1803 DEBUG : Network.transferIn() - account number
    92716
1804
1805 DEBUG : Network.receive() - account number 42850
1806
1807 DEBUG : Server.processTransactions() - Withdrawal
    of 345.0 from account 92716
1808
1809 DEBUG : Server.processTransactions() -
    transferring out account 92716
1810
1811 DEBUG : Network.transferOut() - index
    inputIndexServer 11
1812
1813 DEBUG : Network.transferOut() - account number
    92716
1814
1815 DEBUG : Network.receive() - outGoingBuffer status
    empty
1816
1817 DEBUG : Client.receiveTransactions() - receiving
```

```
1817 updated transaction on account 42850
1818
1819 DEBUG : Server.processTransactions() -
    transferring in account 92716
1820
1821 Account number 42850 Account Balance 1000.0
    Message done
1822
1823 DEBUG : Network.receive() - index
    outputIndexClient 11
1824
1825 DEBUG : Network.transferIn - account number 01113
1826
1827 DEBUG : Network.transferIn() - index
    outputIndexServer 12
1828
1829 DEBUG : Network.transferIn() - account number
    01113
1830
1831 DEBUG : Network.receive() - account number 92716
1832
1833 DEBUG : Network.receive() - outGoingBuffer status
    empty
1834
1835 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 92716
1836
1837 DEBUG : Server.processTransactions() - Deposit of
    155.0 in account 01113
1838
1839 Account number 92716 Account Balance 1000.0
    Message done
1840
1841 DEBUG : Server.processTransactions() -
    transferring out account 01113
1842
1843 DEBUG : Network.transferOut() - index
    inputIndexServer 12
1844
1845 DEBUG : Network.transferOut() - account number
    01113
```

```
1846
1847 DEBUG : Server.processTransactions() -
    transferring in account 01113
1848
1849 DEBUG : Network.receive() - index
    outputIndexClient 12
1850
1851 DEBUG : Network.transferIn - account number 60716
1852
1853 DEBUG : Network.receive() - account number 01113
1854
1855 DEBUG : Network.transferIn() - index
    outputIndexServer 13
1856
1857 DEBUG : Network.transferIn() - account number
    60716
1858
1859 DEBUG : Network.receive() - outGoingBuffer status
    empty
1860
1861 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 01113
1862
1863 DEBUG : Server.processTransactions() - Deposit of
    700.0 in account 60716
1864
1865 DEBUG : Server.processTransactions() -
    transferring out account 60716
1866
1867 Account number 01113 Account Balance 300.0 Message
    done
1868
1869 DEBUG : Network.transferOut() - index
    inputIndexServer 13
1870
1871 DEBUG : Network.transferOut() - account number
    60716
1872
1873 DEBUG : Server.processTransactions() -
    transferring in account 60716
1874
```

```
1875 DEBUG : Network.transferIn - account number 01823
1876
1877 DEBUG : Network.transferIn() - index
    outputIndexServer 14
1878
1879 DEBUG : Network.receive() - index
    outputIndexClient 13
1880
1881 DEBUG : Network.receive() - account number 60716
1882
1883 DEBUG : Network.transferIn() - account number
    01823
1884
1885 DEBUG : Network.receive() - outGoingBuffer status
    empty
1886
1887 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 60716
1888
1889 DEBUG : Server.processTransactions() - Deposit of
    300.0 in account 01823
1890
1891 DEBUG : Server.processTransactions() -
    transferring out account 01823
1892
1893 Account number 60716 Account Balance 1000.0
    Message done
1894
1895 DEBUG : Network.transferOut() - index
    inputIndexServer 14
1896
1897 DEBUG : Network.transferOut() - account number
    01823
1898
1899 DEBUG : Server.processTransactions() -
    transferring in account 01823
1900
1901 DEBUG : Network.transferIn - account number 13331
1902
1903 DEBUG : Network.transferIn() - index
    outputIndexServer 15
```

```
1904
1905 DEBUG : Network.receive() - index
    outputIndexClient 14
1906
1907 DEBUG : Network.receive() - account number 01823
1908
1909 DEBUG : Network.transferIn() - account number
    13331
1910
1911 DEBUG : Network.receive() - outGoingBuffer status
    empty
1912
1913 DEBUG : Server.processTransactions() - Withdrawal
    of 350.0 from account 13331
1914
1915 DEBUG : Server.processTransactions() -
    transferring out account 13331
1916
1917 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 01823
1918
1919 DEBUG : Network.transferOut() - index
    inputIndexServer 15
1920
1921 Account number 01823 Account Balance 860.0 Message
    done
1922
1923 DEBUG : Network.transferOut() - account number
    13331
1924
1925 DEBUG : Server.processTransactions() -
    transferring in account 13331
1926
1927 DEBUG : Network.transferIn - account number 81368
1928
1929 DEBUG : Network.receive() - index
    outputIndexClient 15
1930
1931 DEBUG : Network.receive() - account number 13331
1932
1933 DEBUG : Network.receive() - outGoingBuffer status
```

```
1933 empty
1934
1935 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 13331
1936
1937 DEBUG : Network.transferIn() - index
    outputIndexServer 16
1938
1939 Account number 13331 Account Balance 1500.0
    Message done
1940
1941 DEBUG : Network.transferIn() - account number
    81368
1942
1943 DEBUG : Server.processTransactions() - Withdrawal
    of 2000.0 from account 81368
1944
1945 DEBUG : Server.processTransactions() -
    transferring out account 81368
1946
1947 DEBUG : Network.transferOut() - index
    inputIndexServer 16
1948
1949 DEBUG : Network.transferOut() - account number
    81368
1950
1951 DEBUG : Server.processTransactions() -
    transferring in account 81368
1952
1953 DEBUG : Network.transferIn - account number 91214
1954
1955 DEBUG : Network.receive() - index
    outputIndexClient 16
1956
1957 DEBUG : Network.receive() - account number 81368
1958
1959 DEBUG : Network.receive() - outGoingBuffer status
    empty
1960
1961 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 81368
```

```
1962
1963 DEBUG : Network.transferIn() - index
    outputIndexServer 17
1964
1965 Account number 81368 Account Balance 350.0 Message
    done
1966
1967 DEBUG : Network.transferIn() - account number
    91214
1968
1969 DEBUG : Server.processTransactions() - Deposit of
    180.0 in account 91214
1970
1971 DEBUG : Server.processTransactions() -
    transferring out account 91214
1972
1973 DEBUG : Network.transferOut() - index
    inputIndexServer 17
1974
1975 DEBUG : Network.transferOut() - account number
    91214
1976
1977 DEBUG : Server.processTransactions() -
    transferring in account 91214
1978
1979 DEBUG : Network.receive() - index
    outputIndexClient 17
1980
1981 DEBUG : Network.receive() - account number 91214
1982
1983 DEBUG : Network.receive() - outGoingBuffer status
    empty
1984
1985 DEBUG : Network.transferIn - account number 91245
1986
1987 DEBUG : Network.transferIn() - index
    outputIndexServer 18
1988
1989 DEBUG : Network.transferIn() - account number
    91245
1990
```

```
1991 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 91214
1992
1993 DEBUG : Server.processTransactions() - Withdrawal
    of 2300.0 from account 91245
1994
1995 DEBUG : Server.processTransactions() -
    transferring out account 91245
1996
1997 Account number 91214 Account Balance 1600.0
    Message done
1998
1999 DEBUG : Network.transferOut() - index
    inputIndexServer 18
2000
2001 DEBUG : Network.transferOut() - account number
    91245
2002
2003 DEBUG : Server.processTransactions() -
    transferring in account 91245
2004
2005 DEBUG : Network.receive() - index
    outputIndexClient 18
2006
2007 DEBUG : Network.transferIn - account number 42018
2008
2009 DEBUG : Network.receive() - account number 91245
2010
2011 DEBUG : Network.transferIn() - index
    outputIndexServer 19
2012
2013 DEBUG : Network.transferIn() - account number
    42018
2014
2015 DEBUG : Network.receive() - outGoingBuffer status
    empty
2016
2017 DEBUG : Server.processTransactions() - Withdrawal
    of 1000.0 from account 42018
2018
2019 DEBUG : Client.receiveTransactions() - receiving
```

```
2019 updated transaction on account 91245
2020
2021 DEBUG : Server.processTransactions() -
transferring out account 42018
2022
2023 DEBUG : Network.transferOut() - index
inputIndexServer 19
2024
2025 Account number 91245 Account Balance 1200.0
Message done
2026
2027 DEBUG : Network.transferOut() - account number
42018
2028
2029 DEBUG : Server.processTransactions() -
transferring in account 42018
2030
2031 DEBUG : Network.receive() - index
outputIndexClient 19
2032
2033 DEBUG : Network.receive() - account number 42018
2034
2035 DEBUG : Network.transferIn - account number 62023
2036
2037 DEBUG : Network.transferIn() - index
outputIndexServer 0
2038
2039 DEBUG : Network.receive() - outGoingBuffer status
empty
2040
2041 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 42018
2042
2043 DEBUG : Network.transferIn() - account number
62023
2044
2045 Account number 42018 Account Balance -20.0 Message
done
2046
2047 DEBUG : Server.processTransactions() - Deposit of
22000.0 in account 62023
```

```
2048
2049 DEBUG : Server.processTransactions() -
    transferring out account 62023
2050
2051 DEBUG : Network.transferOut() - index
    inputIndexServer 0
2052
2053 DEBUG : Network.transferOut() - account number
    62023
2054
2055 DEBUG : Server.processTransactions() -
    transferring in account 62023
2056
2057 DEBUG : Network.transferIn - account number 01314
2058
2059 DEBUG : Network.receive() - index
    outputIndexClient 0
2060
2061 DEBUG : Network.receive() - account number 62023
2062
2063 DEBUG : Network.transferIn() - index
    outputIndexServer 1
2064
2065 DEBUG : Network.transferIn() - account number
    01314
2066
2067 DEBUG : Server.processTransactions() - Obtaining
    balance from account 01314
2068
2069 DEBUG : Server.processTransactions() -
    transferring out account 01314
2070
2071 DEBUG : Network.receive() - outGoingBuffer status
    empty
2072
2073 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 62023
2074
2075 DEBUG : Network.transferOut() - index
    inputIndexServer 1
2076
```

```
2077 DEBUG : Network.transferOut() - account number  
01314  
2078  
2079 Account number 62023 Account Balance 202200.0  
Message done  
2080  
2081 DEBUG : Server.processTransactions() -  
transferring in account 01314  
2082  
2083 DEBUG : Network.receive() - index  
outputIndexClient 1  
2084  
2085 DEBUG : Network.receive() - account number 01314  
2086  
2087 DEBUG : Network.transferIn - account number 20922  
2088  
2089 DEBUG : Network.transferIn() - index  
outputIndexServer 2  
2090  
2091 DEBUG : Network.transferIn() - account number  
20922  
2092  
2093 DEBUG : Network.receive() - outGoingBuffer status  
empty  
2094  
2095 DEBUG : Client.receiveTransactions() - receiving  
updated transaction on account 01314  
2096  
2097 DEBUG : Server.processTransactions() - Withdrawal  
of 1500.0 from account 20922  
2098  
2099 Account number 01314 Account Balance 1.05E7  
Message done  
2100  
2101 DEBUG : Server.processTransactions() -  
transferring out account 20922  
2102  
2103 DEBUG : Network.transferOut() - index  
inputIndexServer 2  
2104  
2105 DEBUG : Network.transferOut() - account number
```

```
2105 20922
2106
2107 DEBUG : Server.processTransactions() -
transferring in account 20922
2108
2109 DEBUG : Network.transferIn - account number 21219
2110
2111 DEBUG : Network.transferIn() - index
outputIndexServer 3
2112
2113 DEBUG : Network.transferIn() - account number
21219
2114
2115 DEBUG : Network.receive() - index
outputIndexClient 2
2116
2117 DEBUG : Network.receive() - account number 20922
2118
2119 DEBUG : Server.processTransactions() - Obtaining
balance from account21219
2120
2121 DEBUG : Server.processTransactions() -
transferring out account 21219
2122
2123 DEBUG : Network.receive() - outGoingBuffer status
empty
2124
2125 DEBUG : Network.transferOut() - index
inputIndexServer 3
2126
2127 DEBUG : Network.transferOut() - account number
21219
2128
2129 DEBUG : Server.processTransactions() -
transferring in account 21219
2130
2131 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 20922
2132
2133 DEBUG : Network.transferIn - account number 83530
2134
```

```
2135 DEBUG : Network.transferIn() - index
    outputIndexServer 4
2136
2137 DEBUG : Network.transferIn() - account number
    83530
2138
2139 Account number 20922 Account Balance 240.0 Message
    done
2140
2141 DEBUG : Server.processTransactions() - Deposit of
    134750.0 in account 83530
2142
2143 DEBUG : Server.processTransactions() -
    transferring out account 83530
2144
2145 DEBUG : Network.receive() - index
    outputIndexClient 3
2146
2147 DEBUG : Network.transferOut() - index
    inputIndexServer 4
2148
2149 DEBUG : Network.transferOut() - account number
    83530
2150
2151 DEBUG : Network.receive() - account number 21219
2152
2153 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 21219
2154
2155 DEBUG : Server.processTransactions() -
    transferring in account 83530
2156
2157 Account number 21219 Account Balance 535000.0
    Message done
2158
2159 DEBUG : Network.transferIn - account number 83830
2160
2161 DEBUG : Network.receive() - index
    outputIndexClient 4
2162
2163 DEBUG : Network.transferIn() - index
```

```
2163 outputIndexServer 5
2164
2165 DEBUG : Network.transferIn() - account number
2166           83830
2167 DEBUG : Network.receive() - account number 83530
2168
2169 DEBUG : Network.receive() - outGoingBuffer status
2170           empty
2171 DEBUG : Client.receiveTransactions() - receiving
2172           updated transaction on account 83530
2173 DEBUG : Server.processTransactions() - Withdrawal
2174           of 250.0 from account 83830
2175 Account number 83530 Account Balance 980000.0
2176           Message done
2177 DEBUG : Server.processTransactions() -
2178           transferring out account 83830
2179 DEBUG : Network.transferOut() - index
2180           inputIndexServer 5
2181 DEBUG : Network.transferOut() - account number
2182           83830
2183 DEBUG : Server.processTransactions() -
2184           transferring in account 83830
2185 DEBUG : Network.transferIn - account number 72820
2186
2187 DEBUG : Network.transferIn() - index
2188           outputIndexServer 6
2189 DEBUG : Network.transferIn() - account number
2190           72820
2191 DEBUG : Network.receive() - index
2192           outputIndexClient 5
```

```
2192
2193 DEBUG : Network.receive() - account number 83830
2194
2195 DEBUG : Server.processTransactions() - Deposit of
      50000.0 in account 72820
2196
2197 DEBUG : Server.processTransactions() -
      transferring out account 72820
2198
2199 DEBUG : Network.receive() - outGoingBuffer status
      empty
2200
2201 DEBUG : Client.receiveTransactions() - receiving
      updated transaction on account 83830
2202
2203 DEBUG : Network.transferOut() - index
      inputIndexServer 6
2204
2205 Account number 83830 Account Balance 125.0 Message
      done
2206
2207 DEBUG : Network.transferOut() - account number
      72820
2208
2209 DEBUG : Server.processTransactions() -
      transferring in account 72820
2210
2211 DEBUG : Network.transferIn - account number 92318
2212
2213 DEBUG : Network.transferIn() - index
      outputIndexServer 7
2214
2215 DEBUG : Network.transferIn() - account number
      92318
2216
2217 DEBUG : Network.receive() - index
      outputIndexClient 6
2218
2219 DEBUG : Network.receive() - account number 72820
2220
2221 DEBUG : Network.receive() - outGoingBuffer status
```

```
2221 empty
2222
2223 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 72820
2224
2225 DEBUG : Server.processTransactions() - Deposit of
    1110.0 in account 92318
2226
2227 DEBUG : Server.processTransactions() -
    transferring out account 92318
2228
2229 DEBUG : Network.transferOut() - index
    inputIndexServer 7
2230
2231 DEBUG : Network.transferOut() - account number
    92318
2232
2233 DEBUG : Server.processTransactions() -
    transferring in account 92318
2234
2235 DEBUG : Network.transferIn - account number 42520
2236
2237 DEBUG : Network.transferIn() - index
    outputIndexServer 8
2238
2239 DEBUG : Network.transferIn() - account number
    42520
2240
2241 Account number 72820 Account Balance 100000.0
    Message done
2242
2243 DEBUG : Network.receive() - index
    outputIndexClient 7
2244
2245 DEBUG : Network.receive() - account number 92318
2246
2247 DEBUG : Network.receive() - outGoingBuffer status
    empty
2248
2249 DEBUG : Client.receiveTransactions() - receiving
    updated transaction on account 92318
```

```
2250
2251 DEBUG : Server.processTransactions() - Deposit of
650.0 in account 42520
2252
2253 Account number 92318 Account Balance 2400.0
Message done
2254
2255 DEBUG : Server.processTransactions() -
transferring out account 42520
2256
2257 DEBUG : Network.transferOut() - index
inputIndexServer 8
2258
2259 DEBUG : Network.transferOut() - account number
42520
2260
2261 DEBUG : Server.processTransactions() -
transferring in account 42520
2262
2263 DEBUG : Network.transferIn - account number 61612
2264
2265 DEBUG : Network.receive() - index
outputIndexClient 8
2266
2267 DEBUG : Network.receive() - account number 42520
2268
2269 DEBUG : Network.receive() - outGoingBuffer status
empty
2270
2271 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 42520
2272
2273 DEBUG : Network.transferIn() - index
outputIndexServer 9
2274
2275 DEBUG : Network.transferIn() - account number
61612
2276
2277 Account number 42520 Account Balance 1000.0
Message done
2278
```

```
2279 DEBUG : Server.processTransactions() - Withdrawal
of 600.0 from account 61612
2280
2281 DEBUG : Server.processTransactions() -
transferring out account 61612
2282
2283 DEBUG : Network.transferOut() - index
inputIndexServer 9
2284
2285 DEBUG : Network.transferOut() - account number
61612
2286
2287 DEBUG : Server.processTransactions() -
transferring in account 61612
2288
2289 DEBUG : Network.transferIn - account number 12535
2290
2291 DEBUG : Network.transferIn() - index
outputIndexServer 10
2292
2293 DEBUG : Network.transferIn() - account number
12535
2294
2295 DEBUG : Network.receive() - index
outputIndexClient 9
2296
2297 DEBUG : Network.receive() - account number 61612
2298
2299 DEBUG : Network.receive() - outGoingBuffer status
empty
2300
2301 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 61612
2302
2303 Account number 61612 Account Balance 25.0 Message
done
2304
2305 DEBUG : Network.transferIn() - inComingBuffer
status empty
2306
2307 DEBUG : Server.processTransactions() - Deposit of
```

```
2307 750.0 in account 12535
2308
2309 DEBUG : Server.processTransactions() -
transferring out account 12535
2310
2311 DEBUG : Network.transferOut() - index
inputIndexServer 10
2312
2313 DEBUG : Network.transferOut() - account number
12535
2314
2315 DEBUG : Network.receive() - index
outputIndexClient 10
2316
2317 DEBUG : Network.receive() - account number 12535
2318
2319 DEBUG : Network.receive() - outGoingBuffer status
empty
2320
2321 DEBUG : Client.receiveTransactions() - receiving
updated transaction on account 12535
2322
2323 Account number 12535 Account Balance 750.0 Message
done
2324
2325 Terminating client Sending thread - Running time
46 milliseconds
2326
2327 Terminating client Receive thread - Running time
48 milliseconds
2328
2329 DEBUG : Server.processTransactions() - 71 accounts
updated
2330
2331 Terminating server thread - Running time 63
milliseconds
2332
2333 Both Client and Network disconnected
2334
2335 Process finished with exit code 0
2336
```