

```
1 /usr/local/bin/python3.8 /Applications/PyCharm.app/Contents
  /plugins/python/helpers/pydev/pydevconsole.py --mode=client
    --port=64218
2
3 import sys; print('Python %s on %s' % (sys.version, sys.
  platform))
4 sys.path.extend(['/Users/Daantje/Sourcecodes/bindsnet_qa'])
5
6 PyDev console: starting.
7
8 Python 3.8.1 (v3.8.1:1b293b6006, Dec 18 2019, 14:08:53)
9 [Clang 6.0 (clang-600.0.57)] on darwin
10 >>> runfile('/Users/Daantje/Sourcecodes/bindsnet_qa/
  examples/mnist/supervised_mnist.py', args=['--time', '5
  ', '--update_interval', '3', '--n_train', '100', '--
  n_neurons', '10', '--plot', '--directory', '/Users/Daantje/
  Sourcecodes/plots/test'], wdir='/Users/Daantje/Sourcecodes/
  bindsnet_qa/examples/mnist')
11 Begin training.
12
13 Train progress: (0 / 100): 0it [00:00, ?it/s]
14 Wall clock time qbsolv: 1.121519s
15
16 Wall clock time forward_qa(): 1.548394s
17
18 Wall clock time qbsolv: 1.054779s
19
20 Wall clock time forward_qa(): 1.379752s
21
22 Wall clock time qbsolv: 1.000736s
23
24 Wall clock time forward_qa(): 1.310500s
25
26 Wall clock time qbsolv: 0.969766s
27
28 Wall clock time forward_qa(): 1.256921s
29
30 Wall clock time qbsolv: 0.952234s
31
32 Wall clock time forward_qa(): 1.295624s
33 Train progress: (1 / 100): 1it [00:08, 8.59s/it]
34 Wall clock time qbsolv: 1.136388s
35
36 Wall clock time forward_qa(): 1.608824s
37
38 Wall clock time qbsolv: 0.959406s
39
40 Wall clock time forward_qa(): 1.233358s
41
42 Wall clock time qbsolv: 0.944601s
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43
44 Wall clock time forward_qa(): 1.239596s
45
46 Wall clock time qbsolv: 0.976533s
47
48 Wall clock time forward_qa(): 1.297093s
49
50 Wall clock time qbsolv: 1.004846s
51
52 Wall clock time forward_qa(): 1.301752s
53 Train progress: (2 / 100): 2it [00:16, 8.30s/it]
54 Wall clock time qbsolv: 1.023086s
55
56 Wall clock time forward_qa(): 1.282102s
57
58 Wall clock time qbsolv: 0.946104s
59
60 Wall clock time forward_qa(): 1.217014s
61
62 Wall clock time qbsolv: 0.939928s
63
64 Wall clock time forward_qa(): 1.252752s
65
66 Wall clock time qbsolv: 0.962708s
67
68 Wall clock time forward_qa(): 1.271883s
69
70 Wall clock time qbsolv: 0.945534s
71
72 Wall clock time forward_qa(): 1.239809s
73 Train progress: (3 / 100): 3it [00:23, 7.97s/it]
74 All activity accuracy: 0.00 (last), 0.00 (average), 0.00 (best)
75 Proportion weighting accuracy: 0.00 (last), 0.00 (average),
   0.00 (best)
76
77
78 Wall clock time qbsolv: 1.003179s
79
80 Wall clock time forward_qa(): 1.264224s
81
82 Wall clock time qbsolv: 0.939565s
83
84 Wall clock time forward_qa(): 1.251176s
85
86 Wall clock time qbsolv: 0.940537s
87
88 Wall clock time forward_qa(): 1.234247s
89
90 Wall clock time qbsolv: 0.956019s
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91
92 Wall clock time forward_qa(): 1.251076s
93
94 Wall clock time qbsolv: 0.977477s
95
96 Wall clock time forward_qa(): 1.275293s
97 Train progress: (4 / 100): 4it [00:30, 7.73s/it]
98 Wall clock time qbsolv: 1.000468s
99
100 Wall clock time forward_qa(): 1.266706s
101
102 Wall clock time qbsolv: 0.955904s
103
104 Wall clock time forward_qa(): 1.223665s
105
106 Wall clock time qbsolv: 0.935049s
107
108 Wall clock time forward_qa(): 1.228057s
109
110 Wall clock time qbsolv: 0.955872s
111
112 Wall clock time forward_qa(): 1.253140s
113
114 Wall clock time qbsolv: 0.937591s
115
116 Wall clock time forward_qa(): 1.241882s
117 Train progress: (5 / 100): 5it [00:37, 7.54s/it]
118 Wall clock time qbsolv: 1.041623s
119
120 Wall clock time forward_qa(): 1.360876s
121
122 Wall clock time qbsolv: 0.951431s
123
124 Wall clock time forward_qa(): 1.214209s
125
126 Wall clock time qbsolv: 0.939717s
127
128 Wall clock time forward_qa(): 1.231846s
129
130 Wall clock time qbsolv: 0.937623s
131
132 Wall clock time forward_qa(): 1.238512s
133
134 Wall clock time qbsolv: 0.996435s
135
136 Wall clock time forward_qa(): 1.310142s
137 Train progress: (6 / 100): 6it [00:44, 7.45s/it]
138 All activity accuracy: 33.33 (last), 16.67 (average), 33.
33 (best)
139 Proportion weighting accuracy: 0.00 (last), 0.00 (average)
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139 ), 0.00 (best)
140
141
142 Wall clock time qbsolv: 0.991658s
143
144 Wall clock time forward_qa(): 1.254178s
145
146 Wall clock time qbsolv: 0.965780s
147
148 Wall clock time forward_qa(): 1.260289s
149
150 Wall clock time qbsolv: 0.936382s
151
152 Wall clock time forward_qa(): 1.238228s
153
154 Wall clock time qbsolv: 0.940367s
155
156 Wall clock time forward_qa(): 1.252141s
157
158 Wall clock time qbsolv: 0.958559s
159
160 Wall clock time forward_qa(): 1.250309s
161 Train progress: (7 / 100): 7it [00:52, 7.37s/it]
162 Wall clock time qbsolv: 0.999596s
163
164 Wall clock time forward_qa(): 1.260824s
165
166 Wall clock time qbsolv: 0.956695s
167
168 Wall clock time forward_qa(): 1.223216s
169
170 Wall clock time qbsolv: 0.955307s
171
172 Wall clock time forward_qa(): 1.263553s
173
174 Wall clock time qbsolv: 0.945222s
175
176 Wall clock time forward_qa(): 1.251118s
177
178 Wall clock time qbsolv: 0.939164s
179
180 Wall clock time forward_qa(): 1.236516s
181 Train progress: (8 / 100): 8it [00:59, 7.28s/it]
182 Wall clock time qbsolv: 0.990415s
183
184 Wall clock time forward_qa(): 1.249454s
185
186 Wall clock time qbsolv: 0.948186s
187
188 Wall clock time forward_qa(): 1.211779s
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189
190 Wall clock time qbsolv: 0.937671s
191
192 Wall clock time forward_qa(): 1.259412s
193
194 Wall clock time qbsolv: 0.975561s
195
196 Wall clock time forward_qa(): 1.270834s
197
198 Wall clock time qbsolv: 1.437719s
199
200 Wall clock time forward_qa(): 1.833216s
201 Train progress: (9 / 100): 9it [01:06, 7.44s/it]
202 All activity accuracy: 66.67 (last), 33.33 (average), 66.
   67 (best)
203 Proportion weighting accuracy: 66.67 (last), 22.22 (
   average), 66.67 (best)
204
205
206 Wall clock time qbsolv: 1.135420s
207
208 Wall clock time forward_qa(): 1.459745s
209
210 Wall clock time qbsolv: 1.033472s
211
212 Wall clock time forward_qa(): 1.332896s
213
214 Wall clock time qbsolv: 1.491280s
215
216 Wall clock time forward_qa(): 1.897155s
217
218 Wall clock time qbsolv: 1.068698s
219
220 Wall clock time forward_qa(): 1.365495s
221
222 Wall clock time qbsolv: 1.101045s
223
224 Wall clock time forward_qa(): 1.431834s
225 Train progress: (10 / 100): 10it [01:15, 7.75s/it]
226 Wall clock time qbsolv: 1.149245s
227
228 Wall clock time forward_qa(): 1.451633s
229
230 Wall clock time qbsolv: 0.953752s
231
232 Wall clock time forward_qa(): 1.228948s
233
234 Wall clock time qbsolv: 1.066411s
235
236 Wall clock time forward_qa(): 1.396040s
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237
238 Wall clock time qbsolv: 1.077566s
239
240 Wall clock time forward_qa(): 1.379947s
241
242 Wall clock time qbsolv: 0.967720s
243
244 Wall clock time forward_qa(): 1.239984s
245 Train progress: (11 / 100): 11it [01:23, 7.75s/it]
246 Wall clock time qbsolv: 1.472573s
247
248 Wall clock time forward_qa(): 1.899371s
249
250 Wall clock time qbsolv: 1.063687s
251
252 Wall clock time forward_qa(): 1.407000s
253
254 Wall clock time qbsolv: 0.984939s
255
256 Wall clock time forward_qa(): 1.316720s
257
258 Wall clock time qbsolv: 1.025185s
259
260 Wall clock time forward_qa(): 1.335401s
261
262 Wall clock time qbsolv: 0.945843s
263
264 Wall clock time forward_qa(): 1.246619s
265 Train progress: (12 / 100): 12it [01:31, 7.87s/it]
266 All activity accuracy: 66.67 (last), 41.67 (average), 66.
   67 (best)
267 Proportion weighting accuracy: 100.00 (last), 41.67 (
   average), 100.00 (best)
268
269
270 Wall clock time qbsolv: 0.981385s
271
272 Wall clock time forward_qa(): 1.260593s
273
274 Wall clock time qbsolv: 1.000275s
275
276 Wall clock time forward_qa(): 1.312896s
277
278 Wall clock time qbsolv: 1.093098s
279
280 Wall clock time forward_qa(): 1.405970s
281
282 Wall clock time qbsolv: 0.947785s
283
284 Wall clock time forward_qa(): 1.209858s
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285
286 Wall clock time qbsolv: 0.953228s
287
288 Wall clock time forward_qa(): 1.258959s
289 Train progress: (13 / 100): 13it [01:38, 7.71s/it]
290 Wall clock time qbsolv: 1.030281s
291
292 Wall clock time forward_qa(): 1.345846s
293
294 Wall clock time qbsolv: 0.942355s
295
296 Wall clock time forward_qa(): 1.217038s
297
298 Wall clock time qbsolv: 0.963846s
299
300 Wall clock time forward_qa(): 1.263314s
301
302 Wall clock time qbsolv: 0.936953s
303
304 Wall clock time forward_qa(): 1.239829s
305
306 Wall clock time qbsolv: 0.951609s
307
308 Wall clock time forward_qa(): 1.246710s
309 Train progress: (14 / 100): 14it [01:45, 7.54s/it]
310 Wall clock time qbsolv: 1.011109s
311
312 Wall clock time forward_qa(): 1.272905s
313
314 Wall clock time qbsolv: 0.946031s
315
316 Wall clock time forward_qa(): 1.215155s
317
318 Wall clock time qbsolv: 0.939094s
319
320 Wall clock time forward_qa(): 1.229400s
321
322 Wall clock time qbsolv: 0.964034s
323
324 Wall clock time forward_qa(): 1.265544s
325
326 Wall clock time qbsolv: 0.962207s
327
328 Wall clock time forward_qa(): 1.264225s
329 Train progress: (15 / 100): 15it [01:52, 7.41s/it]
330 All activity accuracy: 66.67 (last), 46.67 (average), 66.
67 (best)
331 Proportion weighting accuracy: 66.67 (last), 46.67 (
average), 100.00 (best)
332
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333
334 Wall clock time qbsolv: 1.009055s
335
336 Wall clock time forward_qa(): 1.269737s
337
338 Wall clock time qbsolv: 0.952059s
339
340 Wall clock time forward_qa(): 1.249333s
341
342 Wall clock time qbsolv: 0.940541s
343
344 Wall clock time forward_qa(): 1.242013s
345
346 Wall clock time qbsolv: 0.940196s
347
348 Wall clock time forward_qa(): 1.253251s
349
350 Wall clock time qbsolv: 0.949496s
351
352 Wall clock time forward_qa(): 1.248679s
353 Train progress: (16 / 100): 16it [02:00, 7.32s/it]
354 Wall clock time qbsolv: 1.002334s
355
356 Wall clock time forward_qa(): 1.267770s
357
358 Wall clock time qbsolv: 0.942144s
359
360 Wall clock time forward_qa(): 1.211053s
361
362 Wall clock time qbsolv: 0.941327s
363
364 Wall clock time forward_qa(): 1.246809s
365
366 Wall clock time qbsolv: 0.954447s
367
368 Wall clock time forward_qa(): 1.249911s
369
370 Wall clock time qbsolv: 0.938568s
371
372 Wall clock time forward_qa(): 1.234060s
373 Train progress: (17 / 100): 17it [02:07, 7.26s/it]
374 Wall clock time qbsolv: 1.006365s
375
376 Wall clock time forward_qa(): 1.266013s
377
378 Wall clock time qbsolv: 0.945006s
379
380 Wall clock time forward_qa(): 1.208103s
381
382 Wall clock time qbsolv: 0.937998s
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383
384 Wall clock time forward_qa(): 1.252690s
385
386 Wall clock time qbsolv: 0.948553s
387
388 Wall clock time forward_qa(): 1.245446s
389
390 Wall clock time qbsolv: 0.946829s
391
392 Wall clock time forward_qa(): 1.244229s
393 Train progress: (18 / 100): 18it [02:14, 7.20s/it]
394 All activity accuracy: 66.67 (last), 50.00 (average), 66.
67 (best)
395 Proportion weighting accuracy: 66.67 (last), 50.00 (
average), 100.00 (best)
396
397
398 Wall clock time qbsolv: 0.998168s
399
400 Wall clock time forward_qa(): 1.260210s
401
402 Wall clock time qbsolv: 0.942304s
403
404 Wall clock time forward_qa(): 1.247038s
405
406 Wall clock time qbsolv: 0.940164s
407
408 Wall clock time forward_qa(): 1.241735s
409
410 Wall clock time qbsolv: 0.944912s
411
412 Wall clock time forward_qa(): 1.249091s
413
414 Wall clock time qbsolv: 0.946035s
415
416 Wall clock time forward_qa(): 1.243883s
417 Train progress: (19 / 100): 19it [02:21, 7.18s/it]
418 Wall clock time qbsolv: 1.015868s
419
420 Wall clock time forward_qa(): 1.277493s
421
422 Wall clock time qbsolv: 0.940894s
423
424 Wall clock time forward_qa(): 1.227167s
425
426 Wall clock time qbsolv: 0.936590s
427
428 Wall clock time forward_qa(): 1.234448s
429
430 Wall clock time qbsolv: 0.962326s
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431
432 Wall clock time forward_qa(): 1.264314s
433
434 Wall clock time qbsolv: 0.944834s
435
436 Wall clock time forward_qa(): 1.240465s
437 Train progress: (20 / 100): 20it [02:28, 7.16s/it]
438 Wall clock time qbsolv: 1.019793s
439
440 Wall clock time forward_qa(): 1.280350s
441
442 Wall clock time qbsolv: 0.942876s
443
444 Wall clock time forward_qa(): 1.206186s
445
446 Wall clock time qbsolv: 0.939604s
447
448 Wall clock time forward_qa(): 1.238806s
449
450 Wall clock time qbsolv: 0.941879s
451
452 Wall clock time forward_qa(): 1.242389s
453
454 Wall clock time qbsolv: 0.996196s
455
456 Wall clock time forward_qa(): 1.294062s
457 Train progress: (21 / 100): 21it [02:35, 7.14s/it]
458 All activity accuracy: 100.00 (last), 57.14 (average), 100
.00 (best)
459 Proportion weighting accuracy: 100.00 (last), 57.14 (
average), 100.00 (best)
460
461
462 Wall clock time qbsolv: 1.009072s
463
464 Wall clock time forward_qa(): 1.278383s
465
466 Wall clock time qbsolv: 0.933519s
467
468 Wall clock time forward_qa(): 1.226494s
469
470 Wall clock time qbsolv: 0.936430s
471
472 Wall clock time forward_qa(): 1.230857s
473
474 Wall clock time qbsolv: 0.961930s
475
476 Wall clock time forward_qa(): 1.257710s
477
478 Wall clock time qbsolv: 0.942953s
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479
480 Wall clock time forward_qa(): 1.245836s
481 Train progress: (22 / 100): 22it [02:42, 7.12s/it]
482 Wall clock time qbsolv: 0.997821s
483
484 Wall clock time forward_qa(): 1.264485s
485
486 Wall clock time qbsolv: 0.944355s
487
488 Wall clock time forward_qa(): 1.218795s
489
490 Wall clock time qbsolv: 0.950179s
491
492 Wall clock time forward_qa(): 1.258386s
493
494 Wall clock time qbsolv: 0.947736s
495
496 Wall clock time forward_qa(): 1.242126s
497
498 Wall clock time qbsolv: 0.942749s
499
500 Wall clock time forward_qa(): 1.254207s
501 Train progress: (23 / 100): 23it [02:49, 7.10s/it]
502 Wall clock time qbsolv: 1.049700s
503
504 Wall clock time forward_qa(): 1.315349s
505
506 Wall clock time qbsolv: 0.940360s
507
508 Wall clock time forward_qa(): 1.203773s
509
510 Wall clock time qbsolv: 0.939823s
511
512 Wall clock time forward_qa(): 1.234238s
513
514 Wall clock time qbsolv: 0.936924s
515
516 Wall clock time forward_qa(): 1.235239s
517
518 Wall clock time qbsolv: 0.936164s
519
520 Wall clock time forward_qa(): 1.246818s
521 Train progress: (24 / 100): 24it [02:56, 7.09s/it]
522 All activity accuracy: 100.00 (last), 62.50 (average), 100
.00 (best)
523 Proportion weighting accuracy: 100.00 (last), 62.50 (
average), 100.00 (best)
524
525
526 Wall clock time qbsolv: 1.021281s
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527
528 Wall clock time forward_qa(): 1.335457s
529
530 Wall clock time qbsolv: 0.941614s
531
532 Wall clock time forward_qa(): 1.223558s
533
534 Wall clock time qbsolv: 0.946536s
535
536 Wall clock time forward_qa(): 1.243877s
537
538 Wall clock time qbsolv: 0.941005s
539
540 Wall clock time forward_qa(): 1.259851s
541
542 Wall clock time qbsolv: 0.939313s
543
544 Wall clock time forward_qa(): 1.237268s
545 Train progress: (25 / 100): 25it [03:03, 7.11s/it]
546 Wall clock time qbsolv: 1.024307s
547
548 Wall clock time forward_qa(): 1.284303s
549
550 Wall clock time qbsolv: 0.941852s
551
552 Wall clock time forward_qa(): 1.201939s
553
554 Wall clock time qbsolv: 0.944644s
555
556 Wall clock time forward_qa(): 1.237242s
557
558 Wall clock time qbsolv: 0.956335s
559
560 Wall clock time forward_qa(): 1.267979s
561
562 Wall clock time qbsolv: 0.939218s
563
564 Wall clock time forward_qa(): 1.231367s
565 Train progress: (26 / 100): 26it [03:11, 7.10s/it]
566 Wall clock time qbsolv: 1.018392s
567
568 Wall clock time forward_qa(): 1.277365s
569
570 Wall clock time qbsolv: 0.954342s
571
572 Wall clock time forward_qa(): 1.211728s
573
574 Wall clock time qbsolv: 0.935380s
575
576 Wall clock time forward_qa(): 1.241900s
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577
578 Wall clock time qbsolv: 0.951797s
579
580 Wall clock time forward_qa(): 1.255725s
581
582 Wall clock time qbsolv: 1.022575s
583
584 Wall clock time forward_qa(): 1.337457s
585 Train progress: (27 / 100): 27it [03:18, 7.18s/it]
586 All activity accuracy: 100.00 (last), 66.67 (average), 100
.00 (best)
587 Proportion weighting accuracy: 100.00 (last), 66.67 (
average), 100.00 (best)
588
589
590 Wall clock time qbsolv: 1.046154s
591
592 Wall clock time forward_qa(): 1.441374s
593
594 Wall clock time qbsolv: 1.091116s
595
596 Wall clock time forward_qa(): 1.366686s
597
598 Wall clock time qbsolv: 0.995127s
599
600 Wall clock time forward_qa(): 1.284080s
601
602 Wall clock time qbsolv: 0.964877s
603
604 Wall clock time forward_qa(): 1.276599s
605
606 Wall clock time qbsolv: 1.781127s
607
608 Wall clock time forward_qa(): 2.247605s
609 Train progress: (28 / 100): 28it [03:27, 7.63s/it]
610 Wall clock time qbsolv: 1.256529s
611
612 Wall clock time forward_qa(): 1.785443s
613
614 Wall clock time qbsolv: 1.072943s
615
616 Wall clock time forward_qa(): 1.394537s
617
618 Wall clock time qbsolv: 1.219334s
619
620 Wall clock time forward_qa(): 1.497124s
621
622 Wall clock time qbsolv: 1.028094s
623
624 Wall clock time forward_qa(): 1.323921s
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625
626 Wall clock time qbsolv: 1.140874s
627
628 Wall clock time forward_qa(): 1.452967s
629 Train progress: (29 / 100): 29it [03:35, 7.93s/it]
630 Wall clock time qbsolv: 1.220604s
631
632 Wall clock time forward_qa(): 1.609689s
633
634 Wall clock time qbsolv: 0.956222s
635
636 Wall clock time forward_qa(): 1.229084s
637
638 Wall clock time qbsolv: 0.944127s
639
640 Wall clock time forward_qa(): 1.254901s
641
642 Wall clock time qbsolv: 0.952063s
643
644 Wall clock time forward_qa(): 1.244311s
645
646 Wall clock time qbsolv: 0.987761s
647
648 Wall clock time forward_qa(): 1.284361s
649 Train progress: (30 / 100): 30it [03:43, 7.83s/it]
650 All activity accuracy: 100.00 (last), 70.00 (average), 100
.00 (best)
651 Proportion weighting accuracy: 100.00 (last), 70.00 (
average), 100.00 (best)
652
653
654 Wall clock time qbsolv: 1.050879s
655
656 Wall clock time forward_qa(): 1.330534s
657
658 Wall clock time qbsolv: 1.095507s
659
660 Wall clock time forward_qa(): 1.406447s
661
662 Wall clock time qbsolv: 1.042438s
663
664 Wall clock time forward_qa(): 1.370626s
665
666 Wall clock time qbsolv: 1.038228s
667
668 Wall clock time forward_qa(): 1.324474s
669
670 Wall clock time qbsolv: 0.999745s
671
672 Wall clock time forward_qa(): 1.311409s
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673 Train progress: (31 / 100): 31it [03:51, 7.86s/it]
674 Wall clock time qbsolv: 1.106488s
675
676 Wall clock time forward_qa(): 1.403907s
677
678 Wall clock time qbsolv: 1.071186s
679
680 Wall clock time forward_qa(): 1.385105s
681
682 Wall clock time qbsolv: 1.186156s
683
684 Wall clock time forward_qa(): 1.490773s
685
686 Wall clock time qbsolv: 1.071099s
687
688 Wall clock time forward_qa(): 1.415906s
689
690 Wall clock time qbsolv: 1.119907s
691
692 Wall clock time forward_qa(): 1.503041s
693 Train progress: (32 / 100): 32it [03:59, 7.93s/it]
694 Wall clock time qbsolv: 1.144094s
695
696 Wall clock time forward_qa(): 1.518883s
697
698 Wall clock time qbsolv: 1.093561s
699
700 Wall clock time forward_qa(): 1.391424s
701
702 Wall clock time qbsolv: 1.025948s
703
704 Wall clock time forward_qa(): 1.352586s
705
706 Wall clock time qbsolv: 0.969285s
707
708 Wall clock time forward_qa(): 1.257212s
709
710 Wall clock time qbsolv: 0.944053s
711
712 Wall clock time forward_qa(): 1.233768s
713 Train progress: (33 / 100): 33it [04:07, 7.87s/it]
714 All activity accuracy: 33.33 (last), 66.67 (average), 100.00 (best)
715 Proportion weighting accuracy: 33.33 (last), 66.67 (average), 100.00 (best)
716
717
718 Wall clock time qbsolv: 1.162039s
719
720 Wall clock time forward_qa(): 1.432478s
```

```
721 Wall clock time qbsolv: 1.184968s
722 Wall clock time forward_qa(): 1.466072s
723
724 Wall clock time qbsolv: 1.046166s
725
726 Wall clock time forward_qa(): 1.327446s
727
728 Wall clock time qbsolv: 1.179909s
729
730 Wall clock time forward_qa(): 1.566531s
731
732 Wall clock time qbsolv: 1.018848s
733
734 Wall clock time forward_qa(): 1.338067s
735 Train progress: (34 / 100): 34it [04:15, 8.02s/it]
736 Wall clock time qbsolv: 0.983458s
737
738 Wall clock time forward_qa(): 1.331641s
739
740 Wall clock time qbsolv: 1.014560s
741
742 Wall clock time forward_qa(): 1.296470s
743
744 Wall clock time qbsolv: 0.941924s
745
746 Wall clock time forward_qa(): 1.246037s
747
748 Wall clock time qbsolv: 0.956708s
749
750 Wall clock time forward_qa(): 1.257802s
751
752 Wall clock time qbsolv: 0.938319s
753
754 Wall clock time forward_qa(): 1.244297s
755 Train progress: (35 / 100): 35it [04:22, 7.82s/it]
756 Wall clock time qbsolv: 1.051155s
757
758 Wall clock time forward_qa(): 1.315850s
759
760 Wall clock time qbsolv: 1.012532s
761
762 Wall clock time forward_qa(): 1.320024s
763
764 Wall clock time qbsolv: 1.040198s
765
766 Wall clock time forward_qa(): 1.337534s
767
768 Wall clock time qbsolv: 0.993511s
769
770 Wall clock time forward_qa(): 1.337534s
```

```
771
772 Wall clock time forward_qa(): 1.339325s
773
774 Wall clock time qbsolv: 1.024238s
775
776 Wall clock time forward_qa(): 1.458531s
777 Train progress: (36 / 100): 36it [04:30, 7.79s/it]
778 All activity accuracy: 100.00 (last), 69.44 (average), 100
.00 (best)
779 Proportion weighting accuracy: 100.00 (last), 69.44 (
average), 100.00 (best)
780
781
782 Wall clock time qbsolv: 1.071063s
783
784 Wall clock time forward_qa(): 1.340504s
785
786 Wall clock time qbsolv: 0.947734s
787
788 Wall clock time forward_qa(): 1.281858s
789
790 Wall clock time qbsolv: 0.942388s
791
792 Wall clock time forward_qa(): 1.237952s
793
794 Wall clock time qbsolv: 0.945688s
795
796 Wall clock time forward_qa(): 1.235154s
797
798 Wall clock time qbsolv: 0.938252s
799
800 Wall clock time forward_qa(): 1.236260s
801 Train progress: (37 / 100): 37it [04:37, 7.65s/it]
802 Wall clock time qbsolv: 1.033824s
803
804 Wall clock time forward_qa(): 1.294140s
805
806 Wall clock time qbsolv: 0.965005s
807
808 Wall clock time forward_qa(): 1.288750s
809
810 Wall clock time qbsolv: 0.943611s
811
812 Wall clock time forward_qa(): 1.229417s
813
814 Wall clock time qbsolv: 0.942141s
815
816 Wall clock time forward_qa(): 1.244803s
817
818 Wall clock time qbsolv: 1.012389s
```

```
819
820 Wall clock time forward_qa(): 1.311595s
821 Train progress: (38 / 100): 38it [04:45, 7.54s/it]
822 Wall clock time qbsolv: 1.052156s
823
824 Wall clock time forward_qa(): 1.322104s
825
826 Wall clock time qbsolv: 0.946673s
827
828 Wall clock time forward_qa(): 1.251884s
829
830 Wall clock time qbsolv: 0.999171s
831
832 Wall clock time forward_qa(): 1.314602s
833
834 Wall clock time qbsolv: 0.944305s
835
836 Wall clock time forward_qa(): 1.236454s
837
838 Wall clock time qbsolv: 0.944020s
839
840 Wall clock time forward_qa(): 1.258328s
841 Train progress: (39 / 100): 39it [04:52, 7.49s/it]
842 All activity accuracy: 100.00 (last), 71.79 (average), 100
.00 (best)
843 Proportion weighting accuracy: 100.00 (last), 71.79 (
average), 100.00 (best)
844
845
846 Wall clock time qbsolv: 1.123573s
847
848 Wall clock time forward_qa(): 1.402979s
849
850 Wall clock time qbsolv: 1.047494s
851
852 Wall clock time forward_qa(): 1.386494s
853
854 Wall clock time qbsolv: 1.031152s
855
856 Wall clock time forward_qa(): 1.306614s
857
858 Wall clock time qbsolv: 1.045782s
859
860 Wall clock time forward_qa(): 1.424944s
861
862 Wall clock time qbsolv: 1.103125s
863
864 Wall clock time forward_qa(): 1.544165s
865 Train progress: (40 / 100): 40it [05:00, 7.66s/it]
866 Wall clock time qbsolv: 1.037326s
```

```
867
868 Wall clock time forward_qa(): 1.318270s
869
870 Wall clock time qbsolv: 0.951314s
871
872 Wall clock time forward_qa(): 1.255268s
873
874 Wall clock time qbsolv: 0.943071s
875
876 Wall clock time forward_qa(): 1.202368s
877
878 Wall clock time qbsolv: 0.944943s
879
880 Wall clock time forward_qa(): 1.203959s
881
882 Wall clock time qbsolv: 0.939071s
883
884 Wall clock time forward_qa(): 1.202310s
885 Train progress: (41 / 100): 41it [05:07, 7.49s/it]
886 Wall clock time qbsolv: 1.095717s
887
888 Wall clock time forward_qa(): 1.358536s
889
890 Wall clock time qbsolv: 0.940848s
891
892 Wall clock time forward_qa(): 1.204555s
893
894 Wall clock time qbsolv: 0.938719s
895
896 Wall clock time forward_qa(): 1.202140s
897
898 Wall clock time qbsolv: 0.943663s
899
900 Wall clock time forward_qa(): 1.202796s
901
902 Wall clock time qbsolv: 0.948258s
903
904 Wall clock time forward_qa(): 1.210050s
905 Train progress: (42 / 100): 42it [05:14, 7.36s/it]
906 All activity accuracy: 100.00 (last), 73.81 (average), 100
.00 (best)
907 Proportion weighting accuracy: 100.00 (last), 73.81 (
average), 100.00 (best)
908
909
910 Wall clock time qbsolv: 1.097798s
911
912 Wall clock time forward_qa(): 1.367680s
913
914 Wall clock time qbsolv: 0.945559s
```

```
915
916 Wall clock time forward_qa(): 1.240682s
917
918 Wall clock time qbsolv: 0.984228s
919
920 Wall clock time forward_qa(): 1.244839s
921
922 Wall clock time qbsolv: 0.991904s
923
924 Wall clock time forward_qa(): 1.290176s
925
926 Wall clock time qbsolv: 1.059884s
927
928 Wall clock time forward_qa(): 1.387253s
929 Train progress: (43 / 100): 43it [05:22, 7.46s/it]
930 Wall clock time qbsolv: 1.184303s
931
932 Wall clock time forward_qa(): 1.679258s
933
934 Wall clock time qbsolv: 1.086717s
935
936 Wall clock time forward_qa(): 1.435753s
937
938 Wall clock time qbsolv: 1.143039s
939
940 Wall clock time forward_qa(): 1.465144s
941
942 Wall clock time qbsolv: 0.980450s
943
944 Wall clock time forward_qa(): 1.282268s
945
946 Wall clock time qbsolv: 0.969738s
947
948 Wall clock time forward_qa(): 1.283855s
949 Train progress: (44 / 100): 44it [05:30, 7.64s/it]
950 Wall clock time qbsolv: 1.047495s
951
952 Wall clock time forward_qa(): 1.309658s
953
954 Wall clock time qbsolv: 0.945970s
955
956 Wall clock time forward_qa(): 1.222277s
957
958 Wall clock time qbsolv: 0.943478s
959
960 Wall clock time forward_qa(): 1.207329s
961
962 Wall clock time qbsolv: 0.946287s
963
964 Wall clock time forward_qa(): 1.224867s
```

```
965
966 Wall clock time qbsolv: 0.943668s
967
968 Wall clock time forward_qa(): 1.205040s
969 Train progress: (45 / 100): 45it [05:37, 7.50s/it]
970 All activity accuracy: 100.00 (last), 75.56 (average),
100.00 (best)
971 Proportion weighting accuracy: 100.00 (last), 75.56 (
average), 100.00 (best)
972
973
974 Wall clock time qbsolv: 1.064374s
975
976 Wall clock time forward_qa(): 1.331554s
977
978 Wall clock time qbsolv: 0.954595s
979
980 Wall clock time forward_qa(): 1.215302s
981
982 Wall clock time qbsolv: 0.954375s
983
984 Wall clock time forward_qa(): 1.214677s
985
986 Wall clock time qbsolv: 0.947431s
987
988 Wall clock time forward_qa(): 1.204601s
989
990 Wall clock time qbsolv: 0.950292s
991
992 Wall clock time forward_qa(): 1.209837s
993 Train progress: (46 / 100): 46it [05:44, 7.36s/it]
994 Wall clock time qbsolv: 1.057683s
995
996 Wall clock time forward_qa(): 1.329454s
997
998 Wall clock time qbsolv: 0.968507s
999
1000 Wall clock time forward_qa(): 1.240201s
1001
1002 Wall clock time qbsolv: 0.944130s
1003
1004 Wall clock time forward_qa(): 1.203176s
1005
1006 Wall clock time qbsolv: 0.947125s
1007
1008 Wall clock time forward_qa(): 1.206430s
1009
1010 Wall clock time qbsolv: 0.955606s
1011
1012 Wall clock time forward_qa(): 1.224357s
```

```
1013 Train progress: (47 / 100): 47it [05:51, 7.36s/it]
1014 Wall clock time qbsolv: 1.058254s
1015
1016 Wall clock time forward_qa(): 1.437547s
1017
1018 Wall clock time qbsolv: 1.059155s
1019
1020 Wall clock time forward_qa(): 1.341954s
1021
1022 Wall clock time qbsolv: 0.992566s
1023
1024 Wall clock time forward_qa(): 1.298461s
1025
1026 Wall clock time qbsolv: 0.948323s
1027
1028 Wall clock time forward_qa(): 1.225107s
1029
1030 Wall clock time qbsolv: 1.060388s
1031
1032 Wall clock time forward_qa(): 1.381510s
1033 Train progress: (48 / 100): 48it [05:59, 7.45s/it]
1034 All activity accuracy: 100.00 (last), 77.08 (average),
100.00 (best)
1035 Proportion weighting accuracy: 100.00 (last), 77.08 (
average), 100.00 (best)
1036
1037
1038 Wall clock time qbsolv: 1.126378s
1039
1040 Wall clock time forward_qa(): 1.405044s
1041
1042 Wall clock time qbsolv: 0.999192s
1043
1044 Wall clock time forward_qa(): 1.364165s
1045
1046 Wall clock time qbsolv: 1.011547s
1047
1048 Wall clock time forward_qa(): 1.426892s
1049
1050 Wall clock time qbsolv: 1.004020s
1051
1052 Wall clock time forward_qa(): 1.272813s
1053
1054 Wall clock time qbsolv: 0.952340s
1055
1056 Wall clock time forward_qa(): 1.217489s
1057 Train progress: (49 / 100): 49it [06:07, 7.54s/it]
1058 Wall clock time qbsolv: 1.188299s
1059
1060 Wall clock time forward_qa(): 1.457343s
```

```
1061
1062 Wall clock time qbsolv: 1.050185s
1063
1064 Wall clock time forward_qa(): 1.352332s
1065
1066 Wall clock time qbsolv: 1.046300s
1067
1068 Wall clock time forward_qa(): 1.367722s
1069
1070 Wall clock time qbsolv: 1.180607s
1071
1072 Wall clock time forward_qa(): 1.457125s
1073
1074 Wall clock time qbsolv: 0.987844s
1075
1076 Wall clock time forward_qa(): 1.270492s
1077 Train progress: (50 / 100): 50it [06:15, 7.62s/it]
1078 Wall clock time qbsolv: 1.137640s
1079
1080 Wall clock time forward_qa(): 1.440122s
1081
1082 Wall clock time qbsolv: 1.232463s
1083
1084 Wall clock time forward_qa(): 1.625957s
1085
1086 Wall clock time qbsolv: 1.196202s
1087
1088 Wall clock time forward_qa(): 1.522338s
1089
1090 Wall clock time qbsolv: 1.037710s
1091
1092 Wall clock time forward_qa(): 1.328785s
1093
1094 Wall clock time qbsolv: 1.051614s
1095
1096 Wall clock time forward_qa(): 1.329028s
1097 Train progress: (51 / 100): 51it [06:23, 7.83s/it]
1098 All activity accuracy: 100.00 (last), 78.43 (average),
  100.00 (best)
1099 Proportion weighting accuracy: 100.00 (last), 78.43 (
  average), 100.00 (best)
1100
1101
1102 Wall clock time qbsolv: 1.048096s
1103
1104 Wall clock time forward_qa(): 1.537479s
1105
1106 Wall clock time qbsolv: 0.944384s
1107
1108 Wall clock time forward_qa(): 1.208730s
```

```
1109
1110 Wall clock time qbsolv: 0.944892s
1111
1112 Wall clock time forward_qa(): 1.237030s
1113
1114 Wall clock time qbsolv: 0.935330s
1115
1116 Wall clock time forward_qa(): 1.237768s
1117
1118 Wall clock time qbsolv: 0.945687s
1119
1120 Wall clock time forward_qa(): 1.253308s
1121 Train progress: (52 / 100): 52it [06:30, 7.67s/it]
1122 Wall clock time qbsolv: 1.009211s
1123
1124 Wall clock time forward_qa(): 1.271431s
1125
1126 Wall clock time qbsolv: 0.943678s
1127
1128 Wall clock time forward_qa(): 1.208090s
1129
1130 Wall clock time qbsolv: 1.064940s
1131
1132 Wall clock time forward_qa(): 1.356033s
1133
1134 Wall clock time qbsolv: 1.009583s
1135
1136 Wall clock time forward_qa(): 1.317198s
1137
1138 Wall clock time qbsolv: 1.073405s
1139
1140 Wall clock time forward_qa(): 1.372135s
1141 Train progress: (53 / 100): 53it [06:38, 7.59s/it]
1142 Wall clock time qbsolv: 1.070656s
1143
1144 Wall clock time forward_qa(): 1.351634s
1145
1146 Wall clock time qbsolv: 1.287997s
1147
1148 Wall clock time forward_qa(): 1.575879s
1149
1150 Wall clock time qbsolv: 1.020492s
1151
1152 Wall clock time forward_qa(): 1.362798s
1153
1154 Wall clock time qbsolv: 1.052325s
1155
1156 Wall clock time forward_qa(): 1.343955s
1157
1158 Wall clock time qbsolv: 0.943840s
```

```
1159
1160 Wall clock time forward_qa(): 1.207800s
1161 Train progress: (54 / 100): 54it [06:45, 7.62s/it]
1162 All activity accuracy: 100.00 (last), 79.63 (average),
1163 100.00 (best)
1164 Proportion weighting accuracy: 100.00 (last), 79.63 (
1165 average), 100.00 (best)
1166 Wall clock time qbsolv: 0.981559s
1167
1168 Wall clock time forward_qa(): 1.245077s
1169
1170 Wall clock time qbsolv: 0.949612s
1171
1172 Wall clock time forward_qa(): 1.245410s
1173
1174 Wall clock time qbsolv: 0.944848s
1175
1176 Wall clock time forward_qa(): 1.241046s
1177
1178 Wall clock time qbsolv: 0.944157s
1179
1180 Wall clock time forward_qa(): 1.252346s
1181
1182 Wall clock time qbsolv: 0.939572s
1183
1184 Wall clock time forward_qa(): 1.234681s
1185 Train progress: (55 / 100): 55it [06:53, 7.47s/it]
1186 Wall clock time qbsolv: 0.991970s
1187
1188 Wall clock time forward_qa(): 1.252609s
1189
1190 Wall clock time qbsolv: 0.940245s
1191
1192 Wall clock time forward_qa(): 1.203445s
1193
1194 Wall clock time qbsolv: 0.944007s
1195
1196 Wall clock time forward_qa(): 1.246776s
1197
1198 Wall clock time qbsolv: 1.084280s
1199
1200 Wall clock time forward_qa(): 1.398540s
1201
1202 Wall clock time qbsolv: 0.964381s
1203
1204 Wall clock time forward_qa(): 1.230212s
1205 Train progress: (56 / 100): 56it [07:00, 7.39s/it]
1206 Wall clock time qbsolv: 1.111528s
```

```
1207
1208 Wall clock time forward_qa(): 1.415252s
1209
1210 Wall clock time qbsolv: 0.992086s
1211
1212 Wall clock time forward_qa(): 1.280303s
1213
1214 Wall clock time qbsolv: 0.976675s
1215
1216 Wall clock time forward_qa(): 1.293901s
1217
1218 Wall clock time qbsolv: 0.997375s
1219
1220 Wall clock time forward_qa(): 1.302265s
1221
1222 Wall clock time qbsolv: 0.918938s
1223
1224 Wall clock time forward_qa(): 1.199999s
1225 Train progress: (57 / 100): 57it [07:07, 7.36s/it]
1226 All activity accuracy: 100.00 (last), 80.70 (average),
100.00 (best)
1227 Proportion weighting accuracy: 100.00 (last), 80.70 (
average), 100.00 (best)
1228
1229
1230 Wall clock time qbsolv: 0.961100s
1231
1232 Wall clock time forward_qa(): 1.224095s
1233
1234 Wall clock time qbsolv: 0.920233s
1235
1236 Wall clock time forward_qa(): 1.204541s
1237
1238 Wall clock time qbsolv: 0.929291s
1239
1240 Wall clock time forward_qa(): 1.219256s
1241
1242 Wall clock time qbsolv: 0.927141s
1243
1244 Wall clock time forward_qa(): 1.203199s
1245
1246 Wall clock time qbsolv: 0.922265s
1247
1248 Wall clock time forward_qa(): 1.201931s
1249 Train progress: (58 / 100): 58it [07:14, 7.23s/it]
1250 Wall clock time qbsolv: 0.983375s
1251
1252 Wall clock time forward_qa(): 1.239663s
1253
1254 Wall clock time qbsolv: 0.932533s
```

```
1255
1256 Wall clock time forward_qa(): 1.188001s
1257
1258 Wall clock time qbsolv: 0.919228s
1259
1260 Wall clock time forward_qa(): 1.205957s
1261
1262 Wall clock time qbsolv: 0.936391s
1263
1264 Wall clock time forward_qa(): 1.235310s
1265
1266 Wall clock time qbsolv: 0.929756s
1267
1268 Wall clock time forward_qa(): 1.212124s
1269 Train progress: (59 / 100): 59it [07:21, 7.13s/it]
1270 Wall clock time qbsolv: 0.982371s
1271
1272 Wall clock time forward_qa(): 1.289541s
1273
1274 Wall clock time qbsolv: 0.939683s
1275
1276 Wall clock time forward_qa(): 1.196640s
1277
1278 Wall clock time qbsolv: 0.924793s
1279
1280 Wall clock time forward_qa(): 1.212330s
1281
1282 Wall clock time qbsolv: 0.935562s
1283
1284 Wall clock time forward_qa(): 1.218313s
1285
1286 Wall clock time qbsolv: 0.930292s
1287
1288 Wall clock time forward_qa(): 1.217532s
1289 Train progress: (60 / 100): 60it [07:28, 7.09s/it]
1290 All activity accuracy: 100.00 (last), 81.67 (average),
100.00 (best)
1291 Proportion weighting accuracy: 100.00 (last), 81.67 (
average), 100.00 (best)
1292
1293
1294 Wall clock time qbsolv: 0.958313s
1295
1296 Wall clock time forward_qa(): 1.217850s
1297
1298 Wall clock time qbsolv: 0.938525s
1299
1300 Wall clock time forward_qa(): 1.225318s
1301
1302 Wall clock time qbsolv: 0.922778s
```

```
1303
1304 Wall clock time forward_qa(): 1.205882s
1305
1306 Wall clock time qbsolv: 0.939346s
1307
1308 Wall clock time forward_qa(): 1.225831s
1309
1310 Wall clock time qbsolv: 0.919153s
1311
1312 Wall clock time forward_qa(): 1.210451s
1313 Train progress: (61 / 100): 61it [07:35, 7.03s/it]
1314 Wall clock time qbsolv: 0.977091s
1315
1316 Wall clock time forward_qa(): 1.237682s
1317
1318 Wall clock time qbsolv: 0.930575s
1319
1320 Wall clock time forward_qa(): 1.191317s
1321
1322 Wall clock time qbsolv: 0.924625s
1323
1324 Wall clock time forward_qa(): 1.205000s
1325
1326 Wall clock time qbsolv: 0.924469s
1327
1328 Wall clock time forward_qa(): 1.215187s
1329
1330 Wall clock time qbsolv: 0.919066s
1331
1332 Wall clock time forward_qa(): 1.202419s
1333 Train progress: (62 / 100): 62it [07:42, 6.99s/it]
1334 Wall clock time qbsolv: 0.970572s
1335
1336 Wall clock time forward_qa(): 1.229418s
1337
1338 Wall clock time qbsolv: 0.927846s
1339
1340 Wall clock time forward_qa(): 1.183024s
1341
1342 Wall clock time qbsolv: 0.919667s
1343
1344 Wall clock time forward_qa(): 1.205067s
1345
1346 Wall clock time qbsolv: 0.923968s
1347
1348 Wall clock time forward_qa(): 1.207887s
1349
1350 Wall clock time qbsolv: 0.919845s
1351
1352 Wall clock time forward_qa(): 1.197463s
```

```
1353 Train progress: (63 / 100): 63it [07:48, 6.94s/it]
1354 All activity accuracy: 100.00 (last), 82.54 (average),
100.00 (best)
1355 Proportion weighting accuracy: 100.00 (last), 82.54 (
average), 100.00 (best)
1356
1357
1358 Wall clock time qbsolv: 0.949222s
1359
1360 Wall clock time forward_qa(): 1.259546s
1361
1362 Wall clock time qbsolv: 0.920391s
1363
1364 Wall clock time forward_qa(): 1.217358s
1365
1366 Wall clock time qbsolv: 0.925137s
1367
1368 Wall clock time forward_qa(): 1.208141s
1369
1370 Wall clock time qbsolv: 0.921009s
1371
1372 Wall clock time forward_qa(): 1.204786s
1373
1374 Wall clock time qbsolv: 0.920478s
1375
1376 Wall clock time forward_qa(): 1.208693s
1377 Train progress: (64 / 100): 64it [07:55, 6.93s/it]
1378 Wall clock time qbsolv: 0.987958s
1379
1380 Wall clock time forward_qa(): 1.245254s
1381
1382 Wall clock time qbsolv: 0.923020s
1383
1384 Wall clock time forward_qa(): 1.179215s
1385
1386 Wall clock time qbsolv: 0.926923s
1387
1388 Wall clock time forward_qa(): 1.199748s
1389
1390 Wall clock time qbsolv: 0.930754s
1391
1392 Wall clock time forward_qa(): 1.213820s
1393
1394 Wall clock time qbsolv: 0.925696s
1395
1396 Wall clock time forward_qa(): 1.207450s
1397 Train progress: (65 / 100): 65it [08:02, 6.92s/it]
1398 Wall clock time qbsolv: 0.974361s
1399
1400 Wall clock time forward_qa(): 1.238017s
```

```
1401
1402 Wall clock time qbsolv: 0.928335s
1403
1404 Wall clock time forward_qa(): 1.183966s
1405
1406 Wall clock time qbsolv: 0.921653s
1407
1408 Wall clock time forward_qa(): 1.203326s
1409
1410 Wall clock time qbsolv: 0.918060s
1411
1412 Wall clock time forward_qa(): 1.196052s
1413
1414 Wall clock time qbsolv: 0.922632s
1415
1416 Wall clock time forward_qa(): 1.201252s
1417 Train progress: (66 / 100): 66it [08:09, 6.90s/it]
1418 All activity accuracy: 100.00 (last), 83.33 (average),
100.00 (best)
1419 Proportion weighting accuracy: 100.00 (last), 83.33 (
average), 100.00 (best)
1420
1421
1422 Wall clock time qbsolv: 0.987277s
1423
1424 Wall clock time forward_qa(): 1.249866s
1425
1426 Wall clock time qbsolv: 0.945685s
1427
1428 Wall clock time forward_qa(): 1.236936s
1429
1430 Wall clock time qbsolv: 0.929459s
1431
1432 Wall clock time forward_qa(): 1.222934s
1433
1434 Wall clock time qbsolv: 0.928988s
1435
1436 Wall clock time forward_qa(): 1.210342s
1437
1438 Wall clock time qbsolv: 0.921962s
1439
1440 Wall clock time forward_qa(): 1.202485s
1441 Train progress: (67 / 100): 67it [08:16, 6.93s/it]
1442 Wall clock time qbsolv: 0.981365s
1443
1444 Wall clock time forward_qa(): 1.239334s
1445
1446 Wall clock time qbsolv: 0.951756s
1447
1448 Wall clock time forward_qa(): 1.208786s
```

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1449  
1450 Wall clock time qbsolv: 0.936861s  
1451  
1452 Wall clock time forward_qa(): 1.227150s  
1453  
1454 Wall clock time qbsolv: 0.927709s  
1455  
1456 Wall clock time forward_qa(): 1.220253s  
1457  
1458 Wall clock time qbsolv: 0.932437s  
1459  
1460 Wall clock time forward_qa(): 1.208208s  
1461 Train progress: (68 / 100): 68it [08:23, 6.92s/it]  
1462 Wall clock time qbsolv: 0.978467s  
1463  
1464 Wall clock time forward_qa(): 1.235629s  
1465  
1466 Wall clock time qbsolv: 0.926339s  
1467  
1468 Wall clock time forward_qa(): 1.182881s  
1469  
1470 Wall clock time qbsolv: 0.917689s  
1471  
1472 Wall clock time forward_qa(): 1.201700s  
1473  
1474 Wall clock time qbsolv: 0.937160s  
1475  
1476 Wall clock time forward_qa(): 1.217364s  
1477  
1478 Wall clock time qbsolv: 0.918641s  
1479  
1480 Wall clock time forward_qa(): 1.208504s  
1481 Train progress: (69 / 100): 69it [08:30, 6.91s/it]  
1482 All activity accuracy: 100.00 (last), 84.06 (average),  
100.00 (best)  
1483 Proportion weighting accuracy: 100.00 (last), 84.06 (average), 100.00 (best)  
1484  
1485  
1486 Wall clock time qbsolv: 0.965834s  
1487  
1488 Wall clock time forward_qa(): 1.225617s  
1489  
1490 Wall clock time qbsolv: 0.917208s  
1491  
1492 Wall clock time forward_qa(): 1.201542s  
1493  
1494 Wall clock time qbsolv: 0.917948s  
1495  
1496 Wall clock time forward_qa(): 1.196794s
```

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1497
1498 Wall clock time qbsolv: 0.925960s
1499
1500 Wall clock time forward_qa(): 1.213545s
1501
1502 Wall clock time qbsolv: 0.921706s
1503
1504 Wall clock time forward_qa(): 1.204487s
1505 Train progress: (70 / 100): 70it [08:37, 6.90s/it]
1506 Wall clock time qbsolv: 0.977166s
1507
1508 Wall clock time forward_qa(): 1.234971s
1509
1510 Wall clock time qbsolv: 0.923306s
1511
1512 Wall clock time forward_qa(): 1.183462s
1513
1514 Wall clock time qbsolv: 0.919901s
1515
1516 Wall clock time forward_qa(): 1.197067s
1517
1518 Wall clock time qbsolv: 0.923803s
1519
1520 Wall clock time forward_qa(): 1.208946s
1521
1522 Wall clock time qbsolv: 0.923190s
1523
1524 Wall clock time forward_qa(): 1.208136s
1525 Train progress: (71 / 100): 71it [08:44, 6.89s/it]
1526 Wall clock time qbsolv: 0.981629s
1527
1528 Wall clock time forward_qa(): 1.288140s
1529
1530 Wall clock time qbsolv: 0.929651s
1531
1532 Wall clock time forward_qa(): 1.185524s
1533
1534 Wall clock time qbsolv: 0.929442s
1535
1536 Wall clock time forward_qa(): 1.204250s
1537
1538 Wall clock time qbsolv: 0.920831s
1539
1540 Wall clock time forward_qa(): 1.204615s
1541
1542 Wall clock time qbsolv: 0.926659s
1543
1544 Wall clock time forward_qa(): 1.203311s
1545 Train progress: (72 / 100): 72it [08:51, 6.90s/it]
1546 All activity accuracy: 100.00 (last), 84.72 (average),
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1546 100.00 (best)
1547 Proportion weighting accuracy: 100.00 (last), 84.72 (
    average), 100.00 (best)
1548
1549
1550 Wall clock time qbsolv: 0.959290s
1551
1552 Wall clock time forward_qa(): 1.218603s
1553
1554 Wall clock time qbsolv: 0.918539s
1555
1556 Wall clock time forward_qa(): 1.203757s
1557
1558 Wall clock time qbsolv: 0.931587s
1559
1560 Wall clock time forward_qa(): 1.212416s
1561
1562 Wall clock time qbsolv: 0.919668s
1563
1564 Wall clock time forward_qa(): 1.199782s
1565
1566 Wall clock time qbsolv: 0.919347s
1567
1568 Wall clock time forward_qa(): 1.198923s
1569 Train progress: (73 / 100): 73it [08:57, 6.89s/it]
1570 Wall clock time qbsolv: 0.984083s
1571
1572 Wall clock time forward_qa(): 1.241650s
1573
1574 Wall clock time qbsolv: 0.922943s
1575
1576 Wall clock time forward_qa(): 1.176706s
1577
1578 Wall clock time qbsolv: 0.917230s
1579
1580 Wall clock time forward_qa(): 1.202505s
1581
1582 Wall clock time qbsolv: 0.919566s
1583
1584 Wall clock time forward_qa(): 1.223126s
1585
1586 Wall clock time qbsolv: 0.919061s
1587
1588 Wall clock time forward_qa(): 1.199104s
1589 Train progress: (74 / 100): 74it [09:04, 6.90s/it]
1590 Wall clock time qbsolv: 0.982170s
1591
1592 Wall clock time forward_qa(): 1.237501s
1593
1594 Wall clock time qbsolv: 0.921030s
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1595
1596 Wall clock time forward_qa(): 1.176917s
1597
1598 Wall clock time qbsolv: 0.918765s
1599
1600 Wall clock time forward_qa(): 1.194180s
1601
1602 Wall clock time qbsolv: 0.919651s
1603
1604 Wall clock time forward_qa(): 1.198668s
1605
1606 Wall clock time qbsolv: 0.917327s
1607
1608 Wall clock time forward_qa(): 1.205715s
1609 Train progress: (75 / 100): 75it [09:11, 6.89s/it]
1610 All activity accuracy: 100.00 (last), 85.33 (average),
100.00 (best)
1611 Proportion weighting accuracy: 100.00 (last), 85.33 (
average), 100.00 (best)
1612
1613
1614 Wall clock time qbsolv: 0.950147s
1615
1616 Wall clock time forward_qa(): 1.257739s
1617
1618 Wall clock time qbsolv: 0.929554s
1619
1620 Wall clock time forward_qa(): 1.220472s
1621
1622 Wall clock time qbsolv: 0.921598s
1623
1624 Wall clock time forward_qa(): 1.210673s
1625
1626 Wall clock time qbsolv: 0.922538s
1627
1628 Wall clock time forward_qa(): 1.201979s
1629
1630 Wall clock time qbsolv: 0.922271s
1631
1632 Wall clock time forward_qa(): 1.212106s
1633 Train progress: (76 / 100): 76it [09:18, 6.90s/it]
1634 Wall clock time qbsolv: 0.966778s
1635
1636 Wall clock time forward_qa(): 1.223654s
1637
1638 Wall clock time qbsolv: 0.929233s
1639
1640 Wall clock time forward_qa(): 1.194119s
1641
1642 Wall clock time qbsolv: 0.922381s
```

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1643
1644 Wall clock time forward_qa(): 1.217599s
1645
1646 Wall clock time qbsolv: 0.918521s
1647
1648 Wall clock time forward_qa(): 1.203248s
1649
1650 Wall clock time qbsolv: 0.921575s
1651
1652 Wall clock time forward_qa(): 1.205629s
1653 Train progress: (77 / 100): 77it [09:25, 6.90s/it]
1654 Wall clock time qbsolv: 0.988474s
1655
1656 Wall clock time forward_qa(): 1.248493s
1657
1658 Wall clock time qbsolv: 0.922004s
1659
1660 Wall clock time forward_qa(): 1.176832s
1661
1662 Wall clock time qbsolv: 0.920750s
1663
1664 Wall clock time forward_qa(): 1.198234s
1665
1666 Wall clock time qbsolv: 0.930399s
1667
1668 Wall clock time forward_qa(): 1.214588s
1669
1670 Wall clock time qbsolv: 0.935270s
1671
1672 Wall clock time forward_qa(): 1.220958s
1673 Train progress: (78 / 100): 78it [09:32, 6.90s/it]
1674 All activity accuracy: 100.00 (last), 85.90 (average),
1675 Proportion weighting accuracy: 100.00 (last), 85.90 (
1676 average), 100.00 (best)
1677
1678 Wall clock time qbsolv: 0.958311s
1679
1680 Wall clock time forward_qa(): 1.217507s
1681
1682 Wall clock time qbsolv: 0.923018s
1683
1684 Wall clock time forward_qa(): 1.208085s
1685
1686 Wall clock time qbsolv: 0.920859s
1687
1688 Wall clock time forward_qa(): 1.199421s
1689
1690 Wall clock time qbsolv: 0.923959s
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1691
1692 Wall clock time forward_qa(): 1.203643s
1693
1694 Wall clock time qbsolv: 0.923417s
1695
1696 Wall clock time forward_qa(): 1.204718s
1697 Train progress: (79 / 100): 79it [09:39, 6.91s/it]
1698 Wall clock time qbsolv: 0.966387s
1699
1700 Wall clock time forward_qa(): 1.223180s
1701
1702 Wall clock time qbsolv: 0.933055s
1703
1704 Wall clock time forward_qa(): 1.197736s
1705
1706 Wall clock time qbsolv: 0.927970s
1707
1708 Wall clock time forward_qa(): 1.207165s
1709
1710 Wall clock time qbsolv: 0.926093s
1711
1712 Wall clock time forward_qa(): 1.215635s
1713
1714 Wall clock time qbsolv: 0.930078s
1715
1716 Wall clock time forward_qa(): 1.215952s
1717 Train progress: (80 / 100): 80it [09:46, 6.90s/it]
1718 Wall clock time qbsolv: 0.967688s
1719
1720 Wall clock time forward_qa(): 1.227116s
1721
1722 Wall clock time qbsolv: 0.942297s
1723
1724 Wall clock time forward_qa(): 1.201378s
1725
1726 Wall clock time qbsolv: 0.941108s
1727
1728 Wall clock time forward_qa(): 1.219049s
1729
1730 Wall clock time qbsolv: 0.932225s
1731
1732 Wall clock time forward_qa(): 1.213400s
1733
1734 Wall clock time qbsolv: 0.922059s
1735
1736 Wall clock time forward_qa(): 1.206981s
1737 Train progress: (81 / 100): 81it [09:53, 6.90s/it]
1738 All activity accuracy: 100.00 (last), 86.42 (average),
100.00 (best)
1739 Proportion weighting accuracy: 100.00 (last), 86.42 (
```

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1739 average), 100.00 (best)
1740
1741
1742 Wall clock time qbsolv: 0.955860s
1743
1744 Wall clock time forward_qa(): 1.221705s
1745
1746 Wall clock time qbsolv: 0.921216s
1747
1748 Wall clock time forward_qa(): 1.209447s
1749
1750 Wall clock time qbsolv: 0.944646s
1751
1752 Wall clock time forward_qa(): 1.226800s
1753
1754 Wall clock time qbsolv: 0.972336s
1755
1756 Wall clock time forward_qa(): 1.270959s
1757
1758 Wall clock time qbsolv: 0.945645s
1759
1760 Wall clock time forward_qa(): 1.230165s
1761 Train progress: (82 / 100): 82it [10:00, 6.92s/it]
1762 Wall clock time qbsolv: 0.981006s
1763
1764 Wall clock time forward_qa(): 1.239426s
1765
1766 Wall clock time qbsolv: 0.926888s
1767
1768 Wall clock time forward_qa(): 1.183937s
1769
1770 Wall clock time qbsolv: 0.923493s
1771
1772 Wall clock time forward_qa(): 1.212810s
1773
1774 Wall clock time qbsolv: 0.922378s
1775
1776 Wall clock time forward_qa(): 1.204635s
1777
1778 Wall clock time qbsolv: 0.920286s
1779
1780 Wall clock time forward_qa(): 1.196769s
1781 Train progress: (83 / 100): 83it [10:06, 6.90s/it]
1782 Wall clock time qbsolv: 0.975649s
1783
1784 Wall clock time forward_qa(): 1.279948s
1785
1786 Wall clock time qbsolv: 0.922799s
1787
1788 Wall clock time forward_qa(): 1.178628s
```

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1789
1790 Wall clock time qbsolv: 0.919514s
1791
1792 Wall clock time forward_qa(): 1.201009s
1793
1794 Wall clock time qbsolv: 0.924763s
1795
1796 Wall clock time forward_qa(): 1.206611s
1797
1798 Wall clock time qbsolv: 0.941407s
1799
1800 Wall clock time forward_qa(): 1.236697s
1801 Train progress: (84 / 100): 84it [10:14, 6.94s/it]
1802 All activity accuracy: 100.00 (last), 86.90 (average),
100.00 (best)
1803 Proportion weighting accuracy: 100.00 (last), 86.90 (
average), 100.00 (best)
1804
1805
1806 Wall clock time qbsolv: 1.274228s
1807
1808 Wall clock time forward_qa(): 1.564593s
1809
1810 Wall clock time qbsolv: 0.986614s
1811
1812 Wall clock time forward_qa(): 1.282890s
1813
1814 Wall clock time qbsolv: 1.067663s
1815
1816 Wall clock time forward_qa(): 1.367667s
1817
1818 Wall clock time qbsolv: 0.956689s
1819
1820 Wall clock time forward_qa(): 1.256578s
1821
1822 Wall clock time qbsolv: 1.014246s
1823
1824 Wall clock time forward_qa(): 1.327471s
1825 Train progress: (85 / 100): 85it [10:21, 7.17s/it]
1826 Wall clock time qbsolv: 1.173749s
1827
1828 Wall clock time forward_qa(): 1.439943s
1829
1830 Wall clock time qbsolv: 1.221477s
1831
1832 Wall clock time forward_qa(): 1.826665s
1833
1834 Wall clock time qbsolv: 1.121580s
1835
1836 Wall clock time forward_qa(): 1.577004s
```

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1837
1838 Wall clock time qbsolv: 1.050210s
1839
1840 Wall clock time forward_qa(): 1.376210s
1841
1842 Wall clock time qbsolv: 1.051509s
1843
1844 Wall clock time forward_qa(): 1.472687s
1845 Train progress: (86 / 100): 86it [10:30, 7.57s/it]
1846 Wall clock time qbsolv: 1.140984s
1847
1848 Wall clock time forward_qa(): 1.519811s
1849
1850 Wall clock time qbsolv: 1.067422s
1851
1852 Wall clock time forward_qa(): 1.409194s
1853
1854 Wall clock time qbsolv: 1.109426s
1855
1856 Wall clock time forward_qa(): 1.426974s
1857
1858 Wall clock time qbsolv: 0.935997s
1859
1860 Wall clock time forward_qa(): 1.201908s
1861
1862 Wall clock time qbsolv: 0.940752s
1863
1864 Wall clock time forward_qa(): 1.242975s
1865 Train progress: (87 / 100): 87it [10:37, 7.59s/it]
1866 All activity accuracy: 100.00 (last), 87.36 (average),
100.00 (best)
1867 Proportion weighting accuracy: 100.00 (last), 87.36 (
average), 100.00 (best)
1868
1869
1870 Wall clock time qbsolv: 0.987890s
1871
1872 Wall clock time forward_qa(): 1.342678s
1873
1874 Wall clock time qbsolv: 0.938216s
1875
1876 Wall clock time forward_qa(): 1.270761s
1877
1878 Wall clock time qbsolv: 0.927524s
1879
1880 Wall clock time forward_qa(): 1.220537s
1881
1882 Wall clock time qbsolv: 0.923908s
1883
1884 Wall clock time forward_qa(): 1.204647s
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1885
1886 Wall clock time qbsolv: 0.953300s
1887
1888 Wall clock time forward_qa(): 1.235262s
1889 Train progress: (88 / 100): 88it [10:45, 7.47s/it]
1890 Wall clock time qbsolv: 1.011728s
1891
1892 Wall clock time forward_qa(): 1.275717s
1893
1894 Wall clock time qbsolv: 0.981096s
1895
1896 Wall clock time forward_qa(): 1.240268s
1897
1898 Wall clock time qbsolv: 1.021975s
1899
1900 Wall clock time forward_qa(): 1.334160s
1901
1902 Wall clock time qbsolv: 1.059474s
1903
1904 Wall clock time forward_qa(): 1.358664s
1905
1906 Wall clock time qbsolv: 1.795813s
1907
1908 Wall clock time forward_qa(): 2.136497s
1909 Train progress: (89 / 100): 89it [10:53, 7.74s/it]
1910 Wall clock time qbsolv: 1.094719s
1911
1912 Wall clock time forward_qa(): 1.411813s
1913
1914 Wall clock time qbsolv: 1.080033s
1915
1916 Wall clock time forward_qa(): 1.358334s
1917
1918 Wall clock time qbsolv: 0.980692s
1919
1920 Wall clock time forward_qa(): 1.292542s
1921
1922 Wall clock time qbsolv: 1.098588s
1923
1924 Wall clock time forward_qa(): 1.417435s
1925
1926 Wall clock time qbsolv: 0.947004s
1927
1928 Wall clock time forward_qa(): 1.209154s
1929 Train progress: (90 / 100): 90it [11:01, 7.71s/it]
1930 All activity accuracy: 100.00 (last), 87.78 (average),
  100.00 (best)
1931 Proportion weighting accuracy: 100.00 (last), 87.78 (
  average), 100.00 (best)
1932
```

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1933
1934 Wall clock time qbsolv: 0.989701s
1935
1936 Wall clock time forward_qa(): 1.253234s
1937
1938 Wall clock time qbsolv: 0.956670s
1939
1940 Wall clock time forward_qa(): 1.245593s
1941
1942 Wall clock time qbsolv: 0.946417s
1943
1944 Wall clock time forward_qa(): 1.288721s
1945
1946 Wall clock time qbsolv: 0.943671s
1947
1948 Wall clock time forward_qa(): 1.233369s
1949
1950 Wall clock time qbsolv: 0.945990s
1951
1952 Wall clock time forward_qa(): 1.231968s
1953 Train progress: (91 / 100): 91it [11:08, 7.57s/it]
1954 Wall clock time qbsolv: 0.995935s
1955
1956 Wall clock time forward_qa(): 1.254106s
1957
1958 Wall clock time qbsolv: 0.978405s
1959
1960 Wall clock time forward_qa(): 1.241130s
1961
1962 Wall clock time qbsolv: 0.948991s
1963
1964 Wall clock time forward_qa(): 1.232745s
1965
1966 Wall clock time qbsolv: 0.923417s
1967
1968 Wall clock time forward_qa(): 1.209033s
1969
1970 Wall clock time qbsolv: 0.927602s
1971
1972 Wall clock time forward_qa(): 1.210885s
1973 Train progress: (92 / 100): 92it [11:15, 7.43s/it]
1974 Wall clock time qbsolv: 1.044161s
1975
1976 Wall clock time forward_qa(): 1.314953s
1977
1978 Wall clock time qbsolv: 0.966454s
1979
1980 Wall clock time forward_qa(): 1.246876s
1981
1982 Wall clock time qbsolv: 0.925947s
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1983
1984 Wall clock time forward_qa(): 1.249100s
1985
1986 Wall clock time qbsolv: 0.937679s
1987
1988 Wall clock time forward_qa(): 1.230449s
1989
1990 Wall clock time qbsolv: 0.924463s
1991
1992 Wall clock time forward_qa(): 1.212249s
1993 Train progress: (93 / 100): 93it [11:22, 7.37s/it]
1994 All activity accuracy: 100.00 (last), 88.17 (average),
  100.00 (best)
1995 Proportion weighting accuracy: 100.00 (last), 88.17 (
  average), 100.00 (best)
1996
1997
1998 Wall clock time qbsolv: 0.956917s
1999
2000 Wall clock time forward_qa(): 1.220067s
2001
2002 Wall clock time qbsolv: 0.952418s
2003
2004 Wall clock time forward_qa(): 1.237816s
2005
2006 Wall clock time qbsolv: 1.013688s
2007
2008 Wall clock time forward_qa(): 1.348458s
2009
2010 Wall clock time qbsolv: 1.052940s
2011
2012 Wall clock time forward_qa(): 1.372692s
2013
2014 Wall clock time qbsolv: 1.079596s
2015
2016 Wall clock time forward_qa(): 1.403146s
2017 Train progress: (94 / 100): 94it [11:30, 7.44s/it]
2018 Wall clock time qbsolv: 1.239701s
2019
2020 Wall clock time forward_qa(): 1.577840s
2021
2022 Wall clock time qbsolv: 1.138049s
2023
2024 Wall clock time forward_qa(): 1.460056s
2025
2026 Wall clock time qbsolv: 1.176015s
2027
2028 Wall clock time forward_qa(): 1.472380s
2029
2030 Wall clock time qbsolv: 0.933083s
```

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2031
2032 Wall clock time forward_qa(): 1.192676s
2033
2034 Wall clock time qbsolv: 0.930828s
2035
2036 Wall clock time forward_qa(): 1.220816s
2037 Train progress: (95 / 100): 95it [11:38, 7.55s/it]
2038 Wall clock time qbsolv: 1.019917s
2039
2040 Wall clock time forward_qa(): 1.347752s
2041
2042 Wall clock time qbsolv: 1.028978s
2043
2044 Wall clock time forward_qa(): 1.291212s
2045
2046 Wall clock time qbsolv: 1.064556s
2047
2048 Wall clock time forward_qa(): 1.434100s
2049
2050 Wall clock time qbsolv: 1.133950s
2051
2052 Wall clock time forward_qa(): 1.427491s
2053
2054 Wall clock time qbsolv: 1.147604s
2055
2056 Wall clock time forward_qa(): 1.596632s
2057 Train progress: (96 / 100): 96it [11:46, 7.69s/it]
2058 All activity accuracy: 100.00 (last), 88.54 (average),
100.00 (best)
2059 Proportion weighting accuracy: 100.00 (last), 88.54 (
average), 100.00 (best)
2060
2061
2062 Wall clock time qbsolv: 1.276103s
2063
2064 Wall clock time forward_qa(): 1.556300s
2065
2066 Wall clock time qbsolv: 1.284582s
2067
2068 Wall clock time forward_qa(): 1.560186s
2069
2070 Wall clock time qbsolv: 1.203128s
2071
2072 Wall clock time forward_qa(): 1.502237s
2073
2074 Wall clock time qbsolv: 0.983288s
2075
2076 Wall clock time forward_qa(): 1.260439s
2077
2078 Wall clock time qbsolv: 1.106658s
```

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2079
2080 Wall clock time forward_qa(): 1.447205s
2081 Train progress: (97 / 100): 97it [11:54, 7.87s/it]
2082 Wall clock time qbsolv: 1.096470s
2083
2084 Wall clock time forward_qa(): 1.468718s
2085
2086 Wall clock time qbsolv: 1.236980s
2087
2088 Wall clock time forward_qa(): 1.575770s
2089
2090 Wall clock time qbsolv: 0.938993s
2091
2092 Wall clock time forward_qa(): 1.226397s
2093
2094 Wall clock time qbsolv: 1.015090s
2095
2096 Wall clock time forward_qa(): 1.316003s
2097
2098 Wall clock time qbsolv: 0.939625s
2099
2100 Wall clock time forward_qa(): 1.265344s
2101 Train progress: (98 / 100): 98it [12:02, 7.82s/it]
2102 Wall clock time qbsolv: 1.089510s
2103
2104 Wall clock time forward_qa(): 1.389831s
2105
2106 Wall clock time qbsolv: 0.975365s
2107
2108 Wall clock time forward_qa(): 1.264201s
2109
2110 Wall clock time qbsolv: 0.959532s
2111
2112 Wall clock time forward_qa(): 1.259306s
2113
2114 Wall clock time qbsolv: 0.999874s
2115
2116 Wall clock time forward_qa(): 1.321261s
2117
2118 Wall clock time qbsolv: 0.956335s
2119
2120 Wall clock time forward_qa(): 1.287173s
2121 Train progress: (99 / 100): 99it [12:09, 7.68s/it]
2122 All activity accuracy: 100.00 (last), 88.89 (average),
   100.00 (best)
2123 Proportion weighting accuracy: 100.00 (last), 88.89 (
   average), 100.00 (best)
2124
2125
2126 Wall clock time qbsolv: 1.010343s
```

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2127
2128 Wall clock time forward_qa(): 1.319484s
2129
2130 Wall clock time qbsolv: 1.019437s
2131
2132 Wall clock time forward_qa(): 1.293973s
2133
2134 Wall clock time qbsolv: 1.024336s
2135
2136 Wall clock time forward_qa(): 1.338580s
2137
2138 Wall clock time qbsolv: 0.927450s
2139
2140 Wall clock time forward_qa(): 1.222819s
2141
2142 Wall clock time qbsolv: 0.918255s
2143
2144 Wall clock time forward_qa(): 1.208750s
2145 Train progress: (100 / 100): 100it [12:16, 7.56s/it]
2146 Wall clock time qbsolv: 0.984194s
2147
2148 Wall clock time forward_qa(): 1.244748s
2149
2150 Wall clock time qbsolv: 0.923020s
2151
2152 Wall clock time forward_qa(): 1.178986s
2153
2154 Wall clock time qbsolv: 0.939830s
2155
2156 Wall clock time forward_qa(): 1.211980s
2157
2158 Wall clock time qbsolv: 0.932102s
2159
2160 Wall clock time forward_qa(): 1.225537s
2161
2162 Wall clock time qbsolv: 0.936117s
2163
2164 Wall clock time forward_qa(): 1.218142s
2165 Train progress: (100 / 100): 101it [12:23, 7.38s/it]
Progress: 100 / 100
2166
2167 Training complete.
2168
2169
```