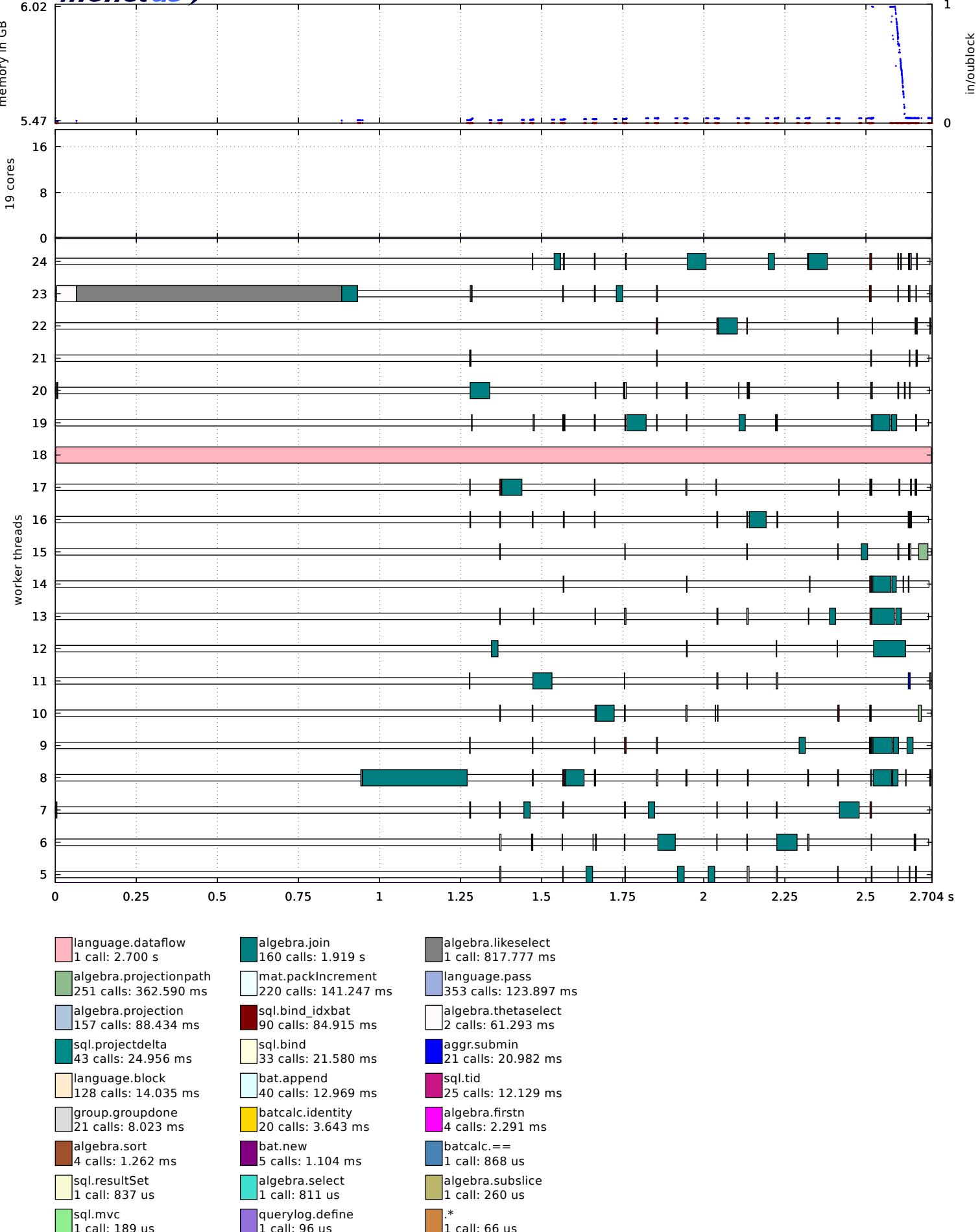
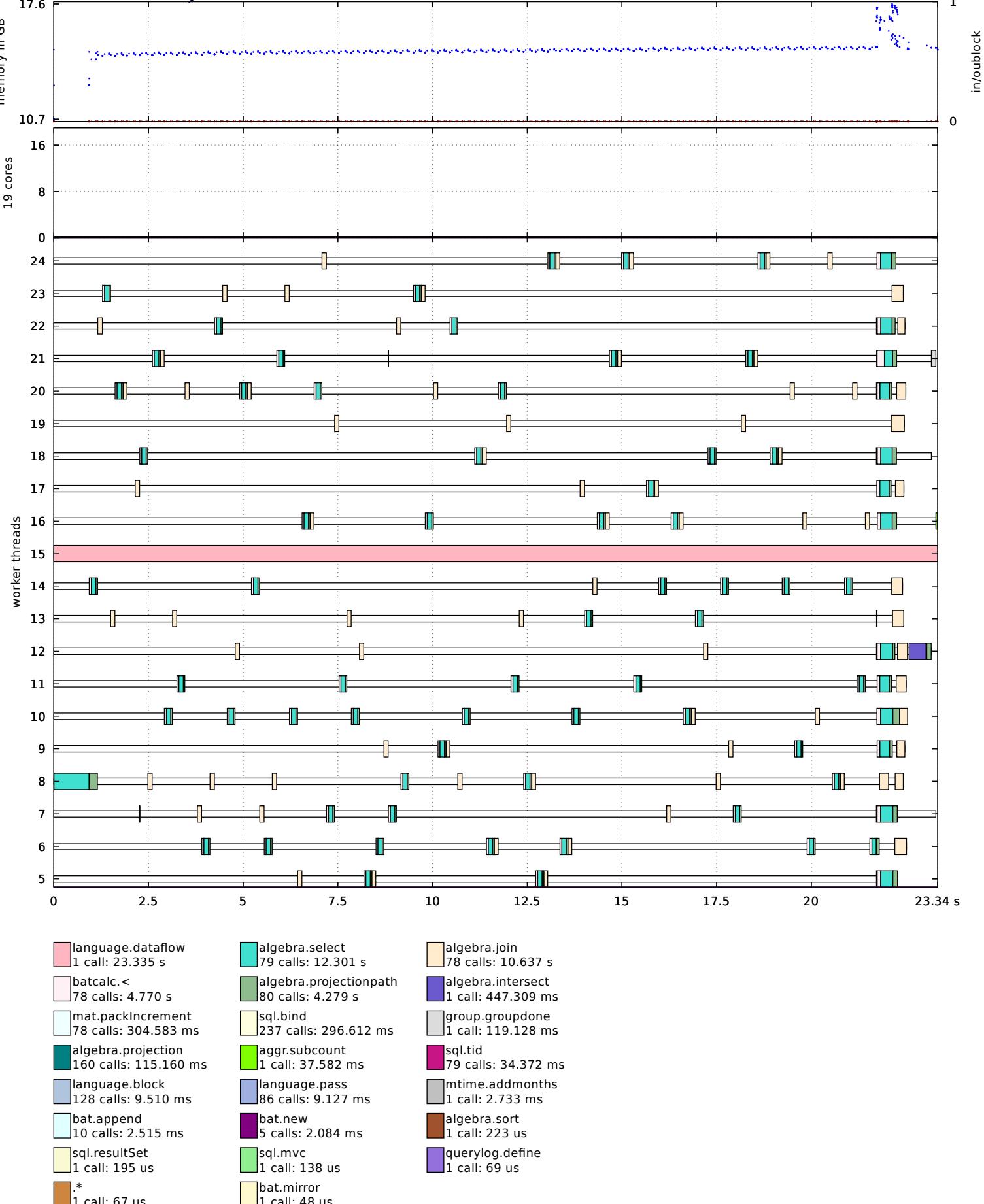
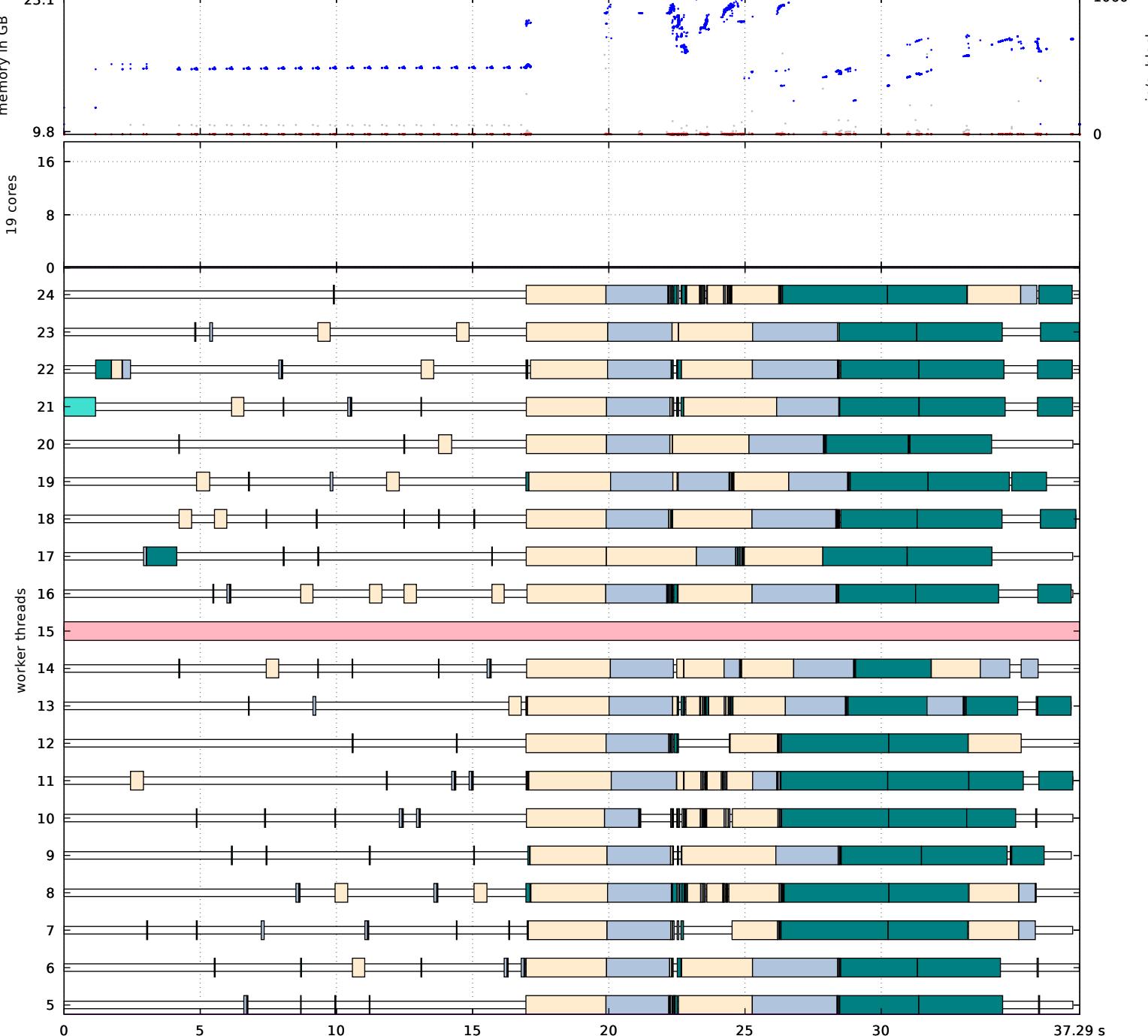


algebra.projection	aggr.subavg	language.dataflow
1251 calls: 2 m 45 s	452 calls: 2 m 09 s	2 calls: 1 m 40 s
batcalc.*	aggr.subsum	group.subgroupdone
310 calls: 1 m 30 s	613 calls: 1 m 00 s	155 calls: 56.395 s
batcalc.dbl	algebra.thetaselect	group.group
312 calls: 52.290 s	156 calls: 50.562 s	155 calls: 28.697 s
batcalc.-	aggr.subcount	language.pass
154 calls: 24.836 s	151 calls: 8.330 s	1517 calls: 1.462 s
sql.bind	algebra.projectionpath	mat.packIncrement
1092 calls: 1.346 s	151 calls: 762.885 ms	2038 calls: 532.322 ms
sql.tid	bat.append	language.block
156 calls: 80.122 ms	100 calls: 23.116 ms	256 calls: 18.972 ms
bat.new	mtime.date_sub_msec_inter	sql.mvc
10 calls: 13.150 ms	2 calls: 2.110 ms	2 calls: 1.514 ms
batcalc.==	batcalc.ifthenelse	sql.resultSet
3 calls: 1.494 ms	3 calls: 1.398 ms	1 call: 763 us
algebra.sort	batcalc./	querylog.define
2 calls: 519 us	3 calls: 416 us	2 calls: 168 us
batcalc.+	*.	
1 call: 116 us	1 call: 72 us	



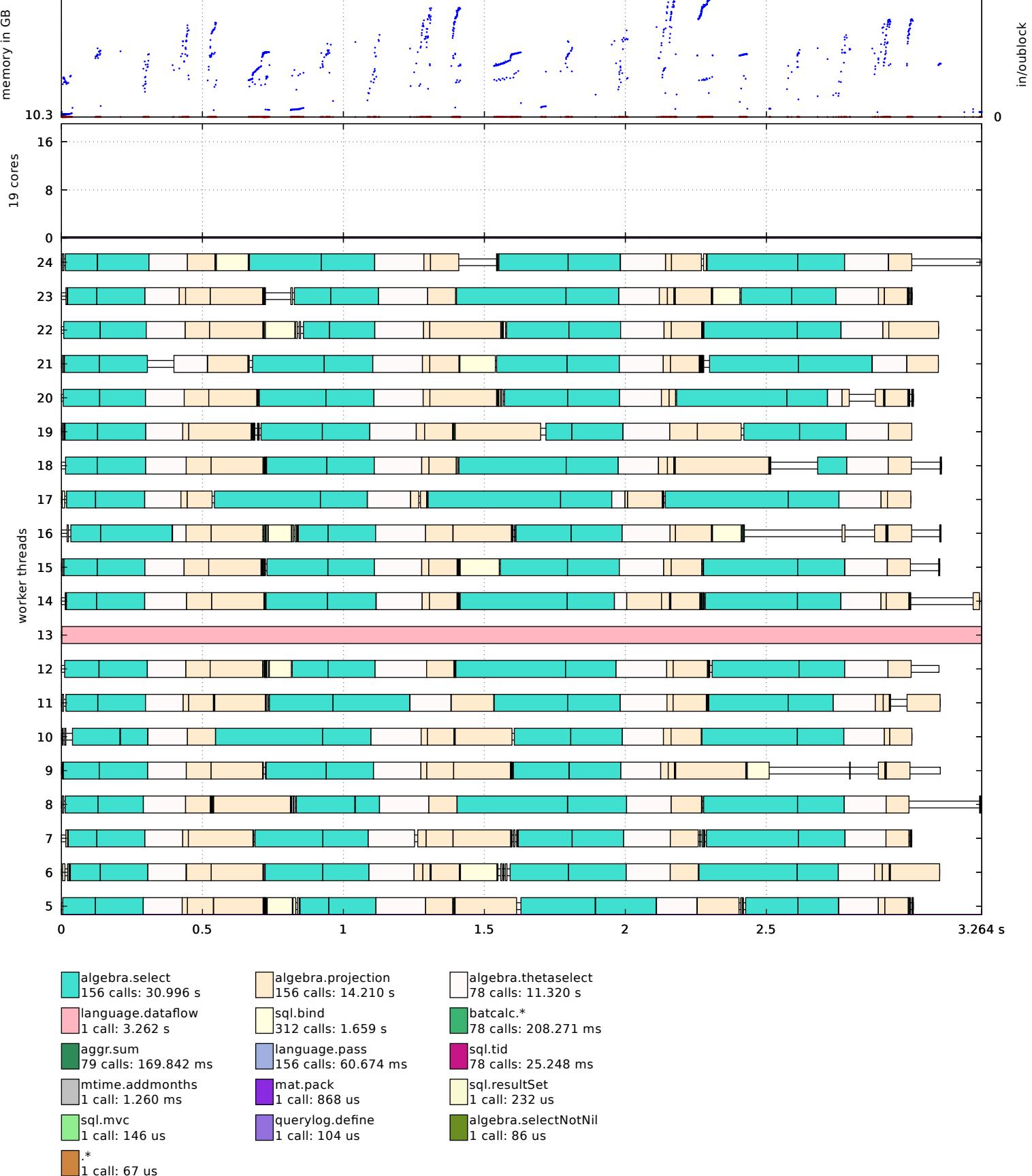


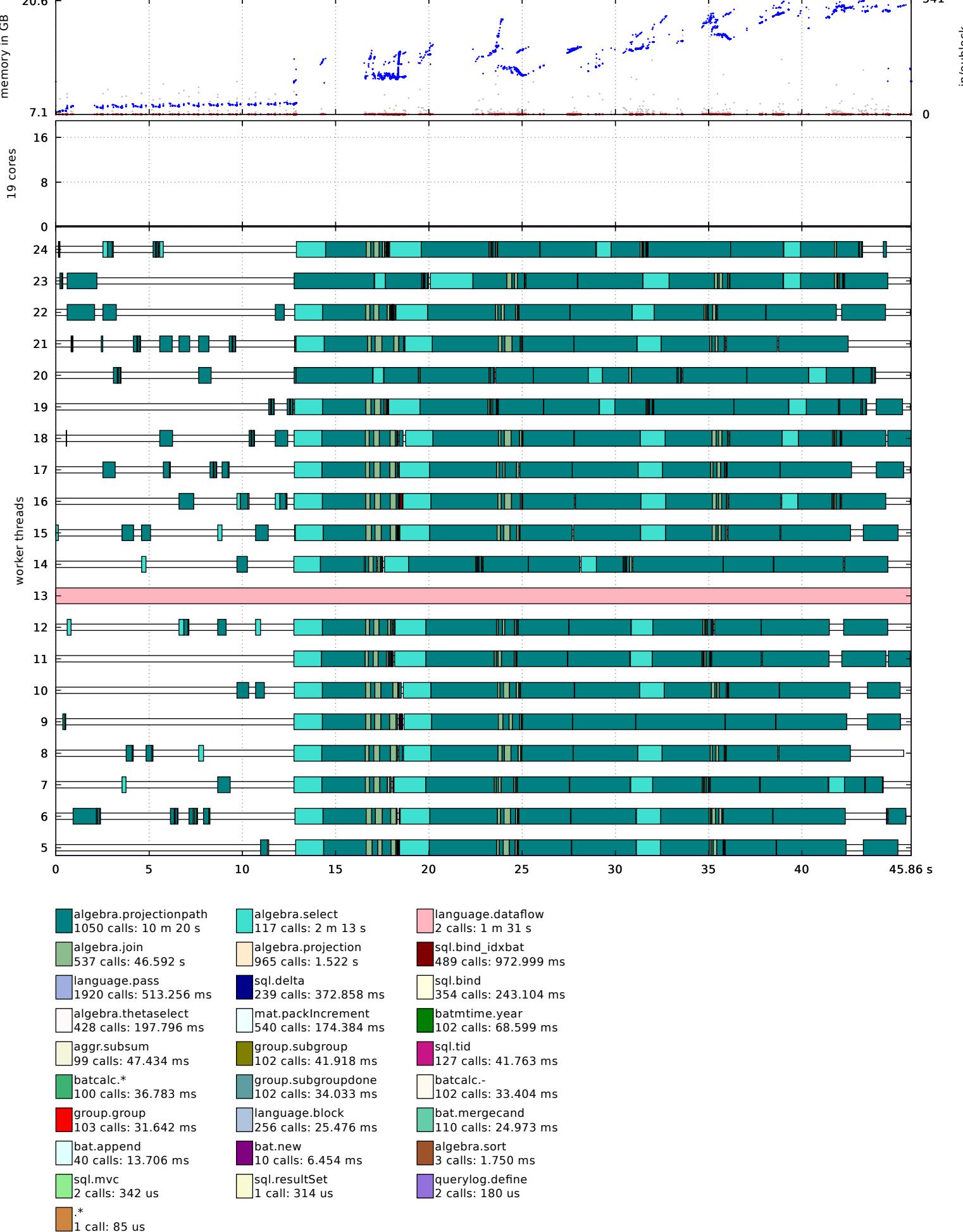


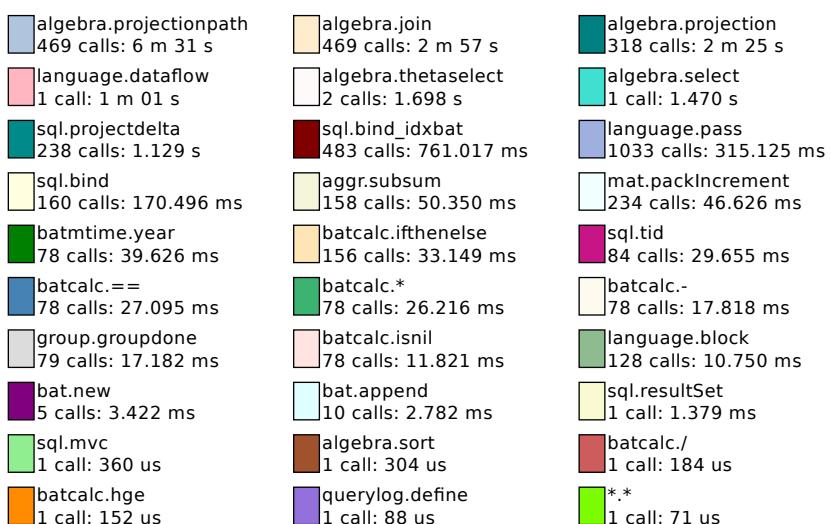
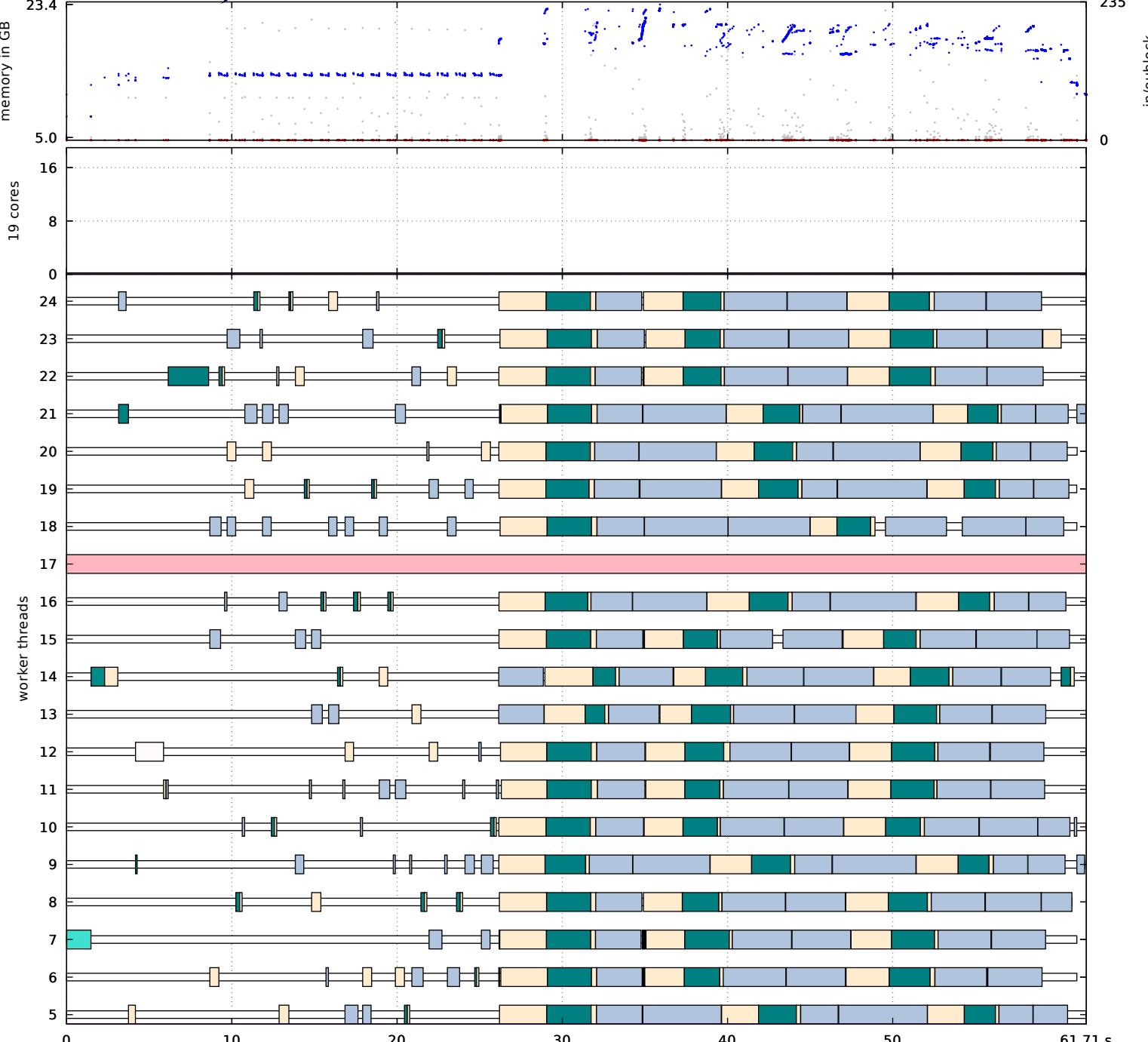


algebra.projectionpath 784 calls: 4 m 46 s	algebra.join 626 calls: 4 m 37 s
language.dataflow 2 calls: 1 m 14 s	algebra.select 158 calls: 2.846 s
sql.bind_idxbat 646 calls: 1.068 s	batcalc.== 156 calls: 1.028 s
language.pass 1746 calls: 436.290 ms	aggr.subsum 158 calls: 75.920 ms
batcalc.. 156 calls: 59.664 ms	mat.packIncrement 312 calls: 49.812 ms
sql.tid 166 calls: 35.304 ms	language.block 256 calls: 21.468 ms
bat.append 20 calls: 3.086 ms	* 2 calls: 764 us
mtime.addmonths 2 calls: 332 us	sql.mvc 2 calls: 298 us
algebra.sort 2 calls: 222 us	querylog.define 2 calls: 146 us

algebra.projection 788 calls: 3 m 09 s
sql.projectdelta 318 calls: 1.678 s
sql.bind 322 calls: 601.906 ms
group.groupdone 158 calls: 75.164 ms
batcalc.* 156 calls: 48.414 ms
language.block 256 calls: 21.468 ms
sql.resultSet 2 calls: 498 us
algebra.thetaselect 2 calls: 258 us

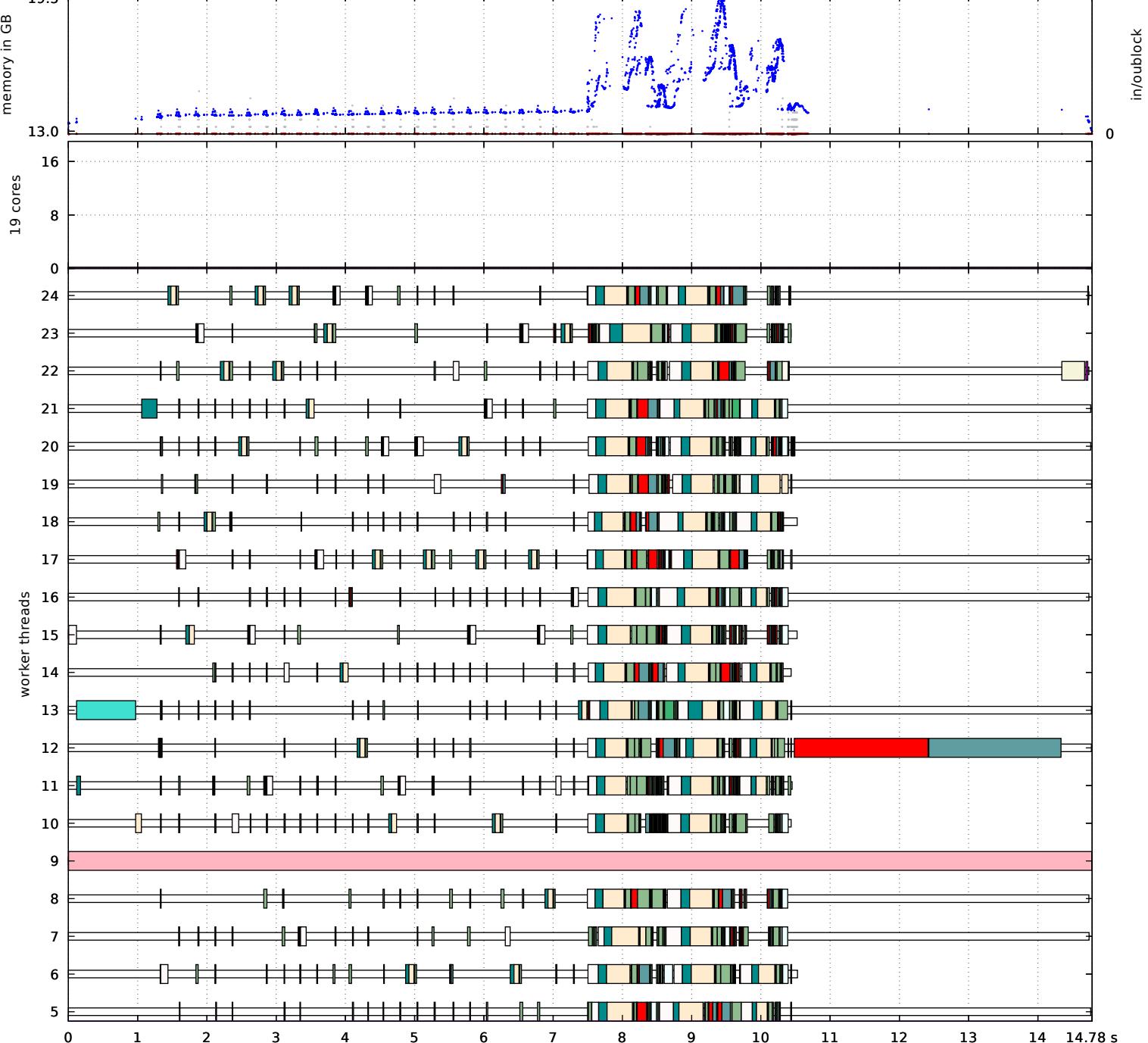




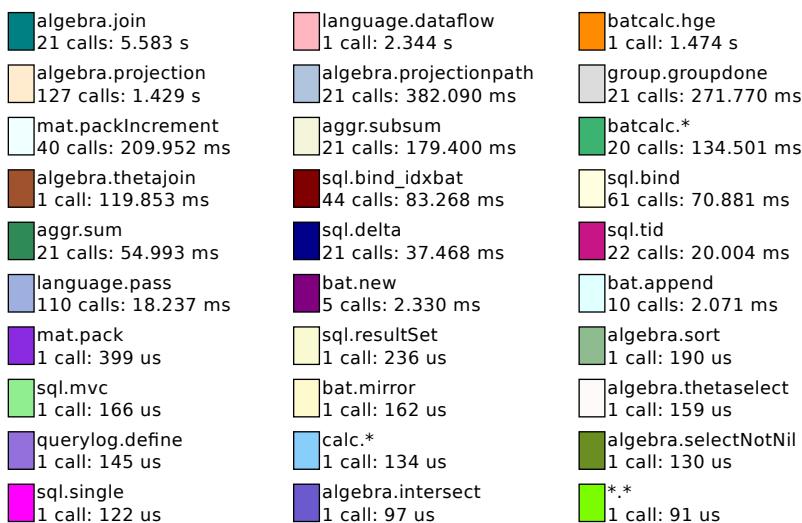
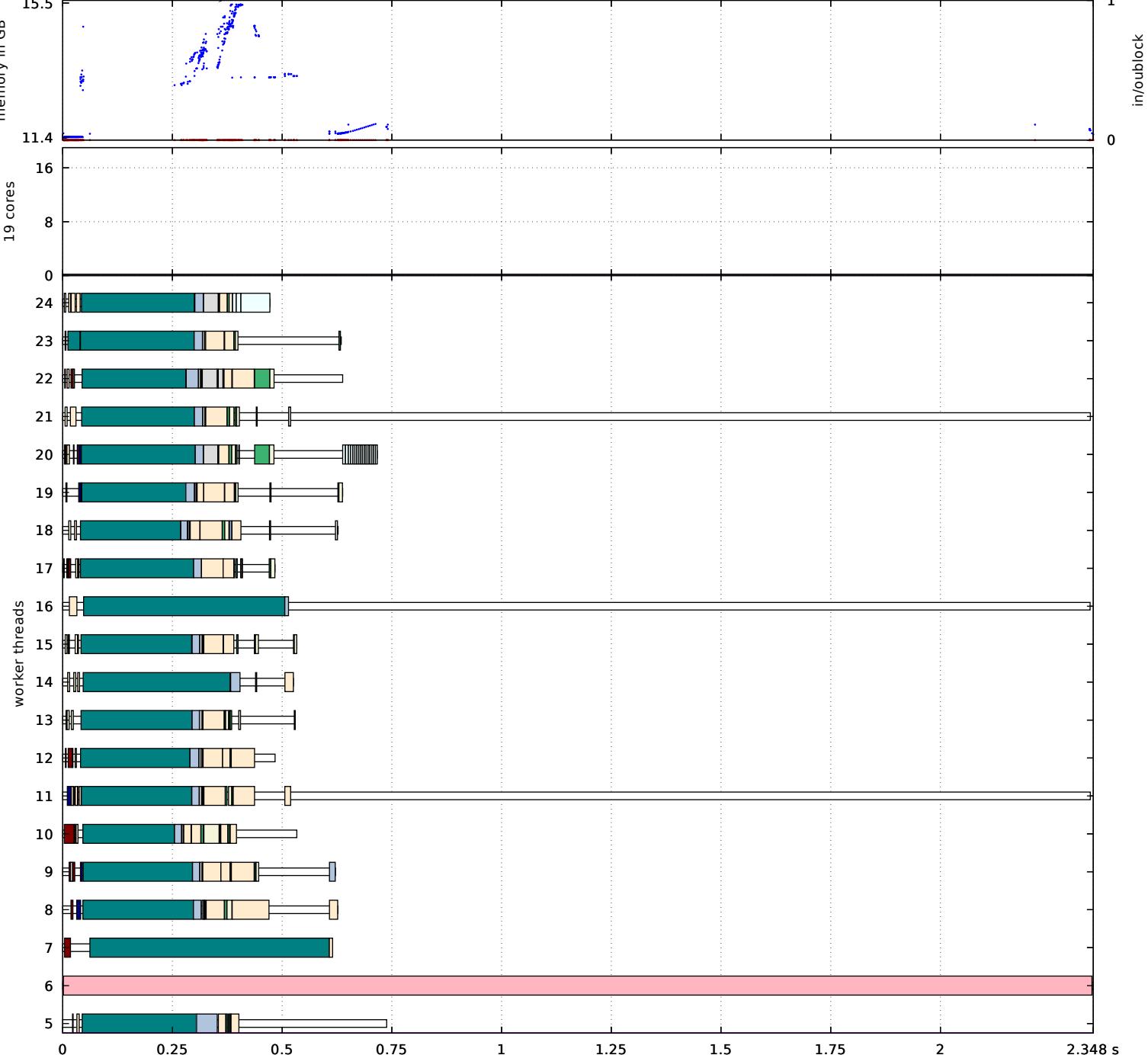


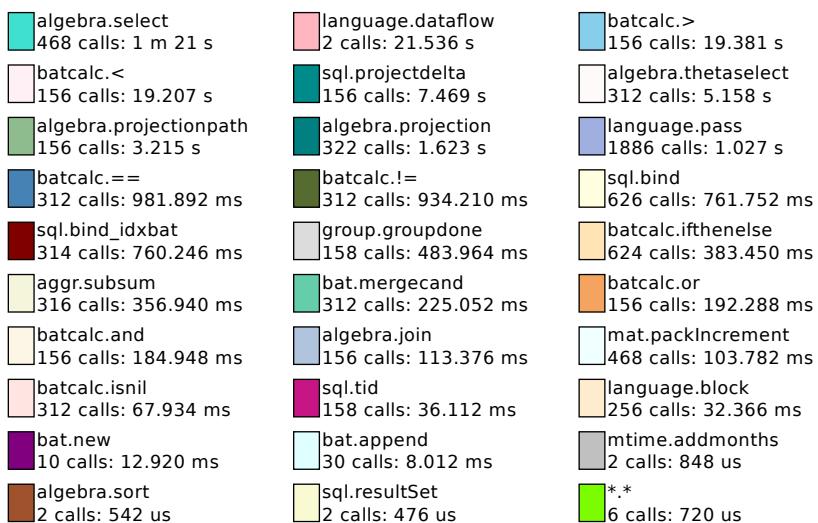
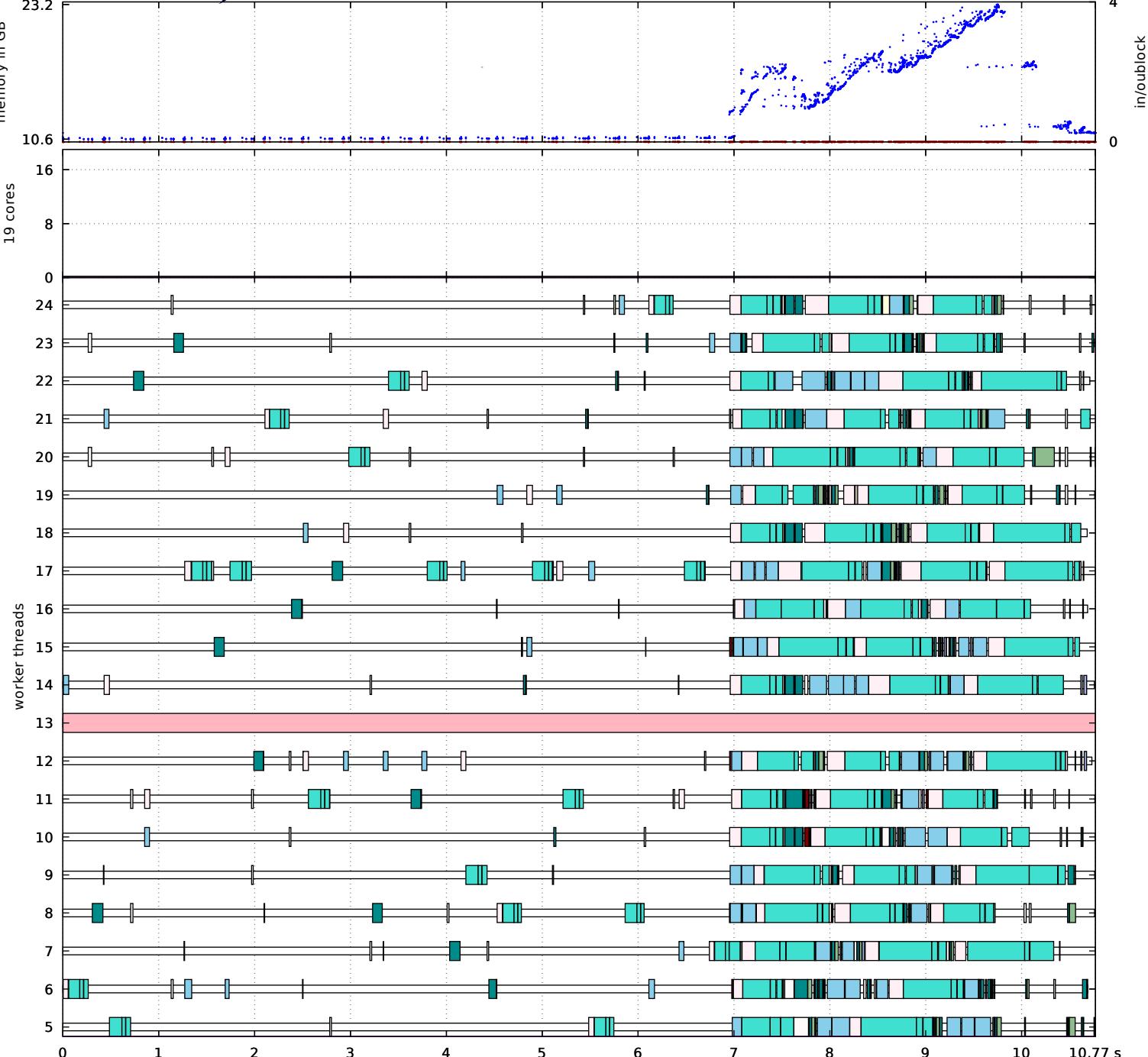


algebra.projectionpath 1404 calls: 22 m 32 s	algebra.join 780 calls: 7 m 25 s	algebra.projection 640 calls: 5 m 10 s
language.dataflow 2 calls: 3 m 10 s	batctime.year 156 calls: 2.906 s	batcalc.* 468 calls: 2.876 s
batcalc.. 312 calls: 2.038 s	algebra.likeselect 2 calls: 1.940 s	group.subgroupdone 158 calls: 1.348 s
aggr.subsum 158 calls: 1.143 s	sql.bind_idxbat 1262 calls: 944.700 ms	group.group 158 calls: 805.314 ms
sql.projectdelta 626 calls: 546.360 ms	language.pass 1588 calls: 337.318 ms	sql.bind 476 calls: 251.378 ms
mat.packIncrement 624 calls: 93.022 ms	sql.tid 166 calls: 42.342 ms	language.block 256 calls: 15.850 ms
bat.new 10 calls: 10.756 ms	bat.append 30 calls: 9.730 ms	sql.mvc 2 calls: 1.160 ms
sql.resultSet 2 calls: 988 us	algebra.sort 4 calls: 594 us	querylog.define 2 calls: 150 us
.* 2 calls: 142 us		



algebra.join 468 calls: 36.048 s	algebra.projectionpath 1420 calls: 33.245 s	language.dataflow 2 calls: 29.551 s
algebra.thetaselect 156 calls: 20.483 s	sql.projectdelta 160 calls: 14.525 s	group.subgroupdone 158 calls: 9.949 s
group.group 158 calls: 9.621 s	mat.packIncrement 1404 calls: 7.643 s	algebra.projection 798 calls: 1.945 s
algebra.select 2 calls: 1.707 s	aggr.subsum 158 calls: 1.577 s	batcalc.* 156 calls: 1.064 s
sql.bind_idxbat 326 calls: 822.720 ms	sql.bind 484 calls: 755.754 ms	batcalc.- 156 calls: 403.374 ms
language.pass 1444 calls: 348.866 ms	sql.tid 162 calls: 57.398 ms	algebra.firstn 2 calls: 52.620 ms
bat.append 80 calls: 23.220 ms	algebra.sort 2 calls: 20.570 ms	language.block 256 calls: 18.490 ms
bat.new 10 calls: 10.762 ms	sql.resultSet 2 calls: 1.294 ms	algebra.subslice 2 calls: 630 us
sql.mvc 2 calls: 366 us	mtime.addmonths 2 calls: 342 us	querylog.define 2 calls: 200 us
.* 2 calls: 186 us		







language.dataflow
1 call: 3 m 29 s

algebra.likeselect
20 calls: 18.414 s

algebra.projectionpath
40 calls: 5.604 s

bat.append
14 calls: 2.029 s

sql.bind
41 calls: 72.604 ms

language.pass
50 calls: 6.158 ms

algebra.sort
2 calls: 324 us

bat.mirror
1 call: 154 us

group.groupdone
2 calls: 2 m 45 s

aggr.subcount
2 calls: 8.907 s

mat.packIncrement
40 calls: 5.056 s

sql.bind_idxbat
41 calls: 109.665 ms

sql.delta
20 calls: 72.076 ms

bat.new
7 calls: 4.136 ms

sql.resultSet
1 call: 205 us

sql.*
1 call: 65 us

algebra.difference
1 call: 21.337 s

algebra.projection
26 calls: 7.248 s

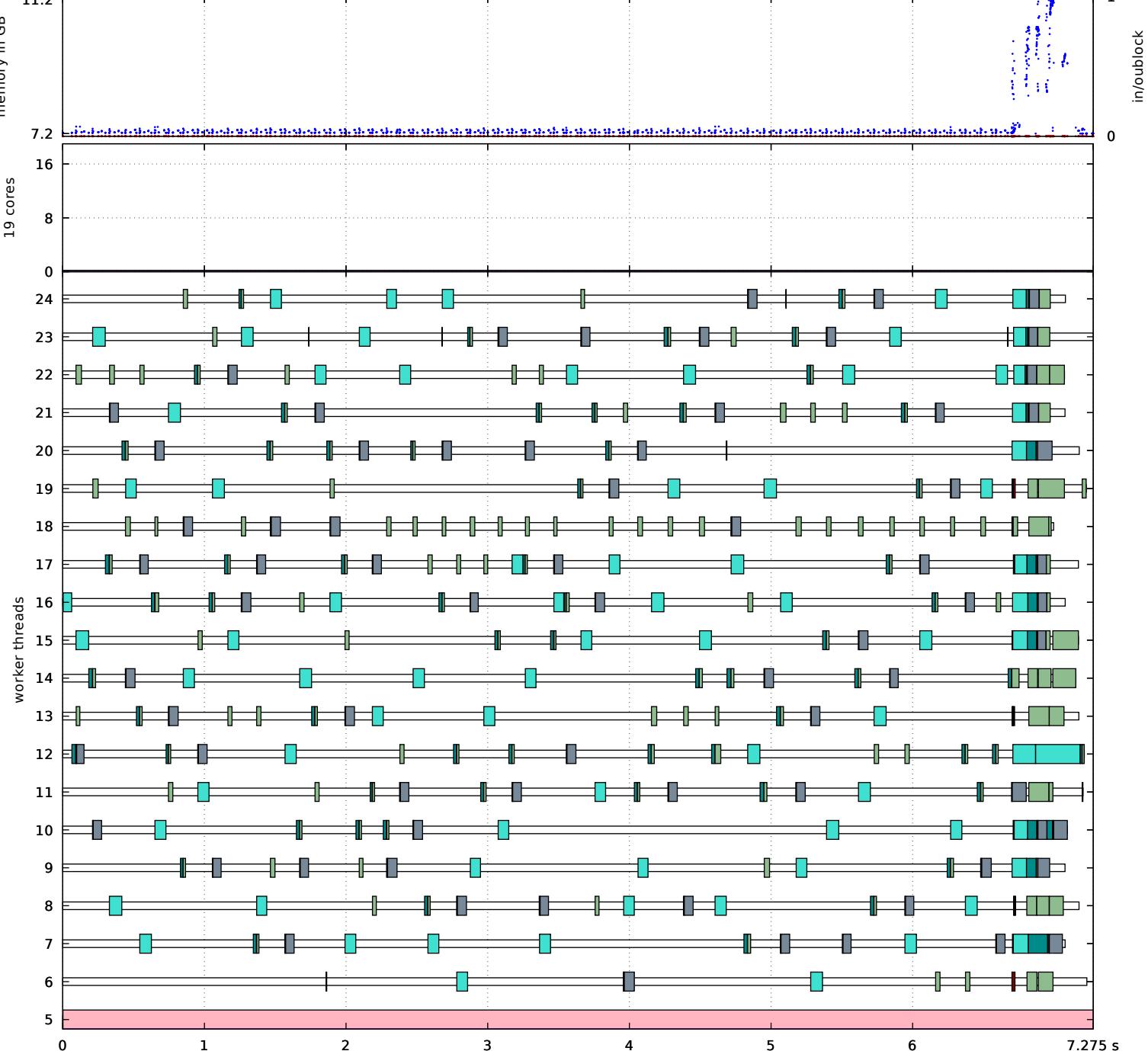
algebra.join
20 calls: 4.152 s

algebra.project
1 call: 107.370 ms

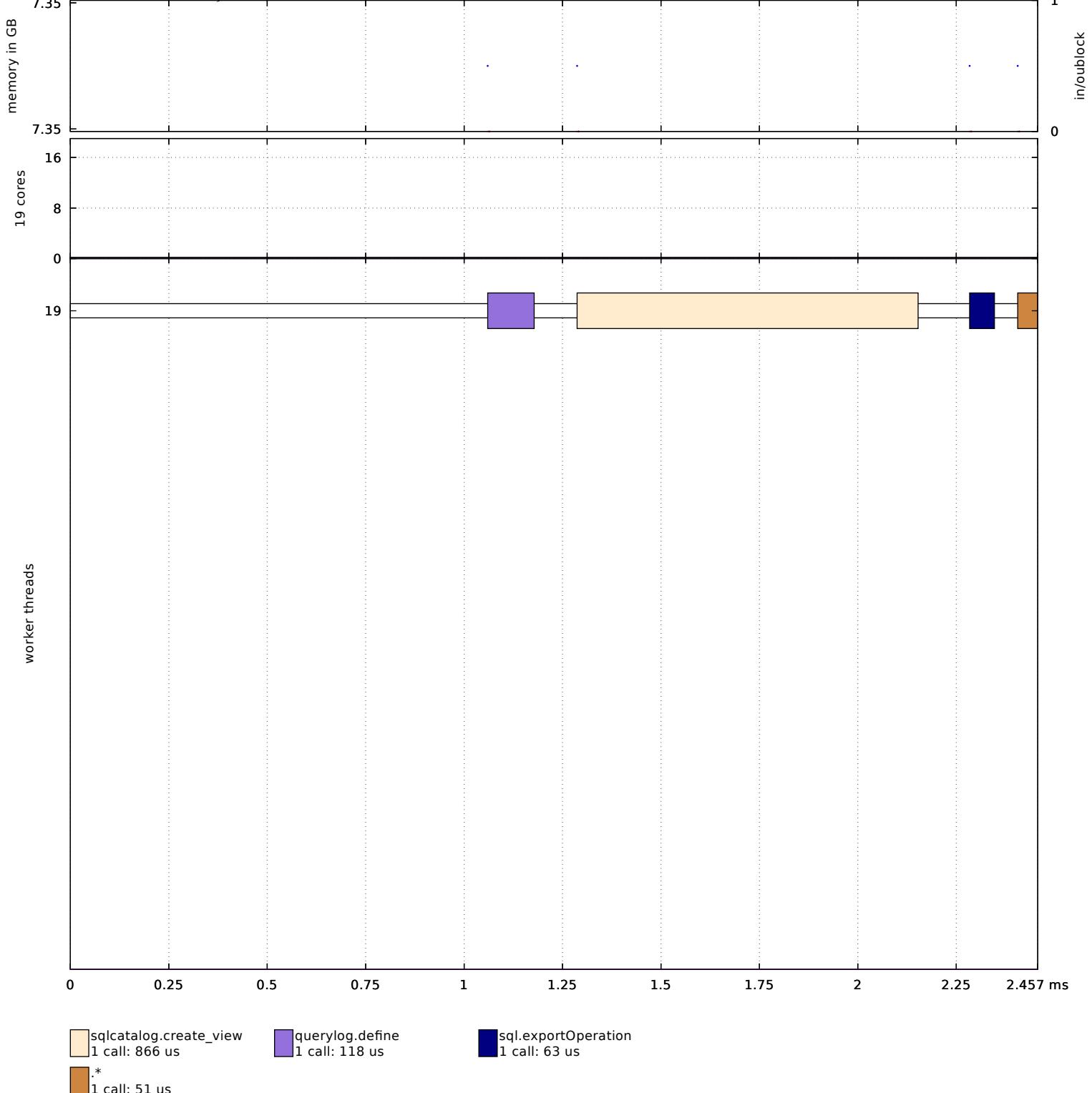
sql.tid
21 calls: 9.034 ms

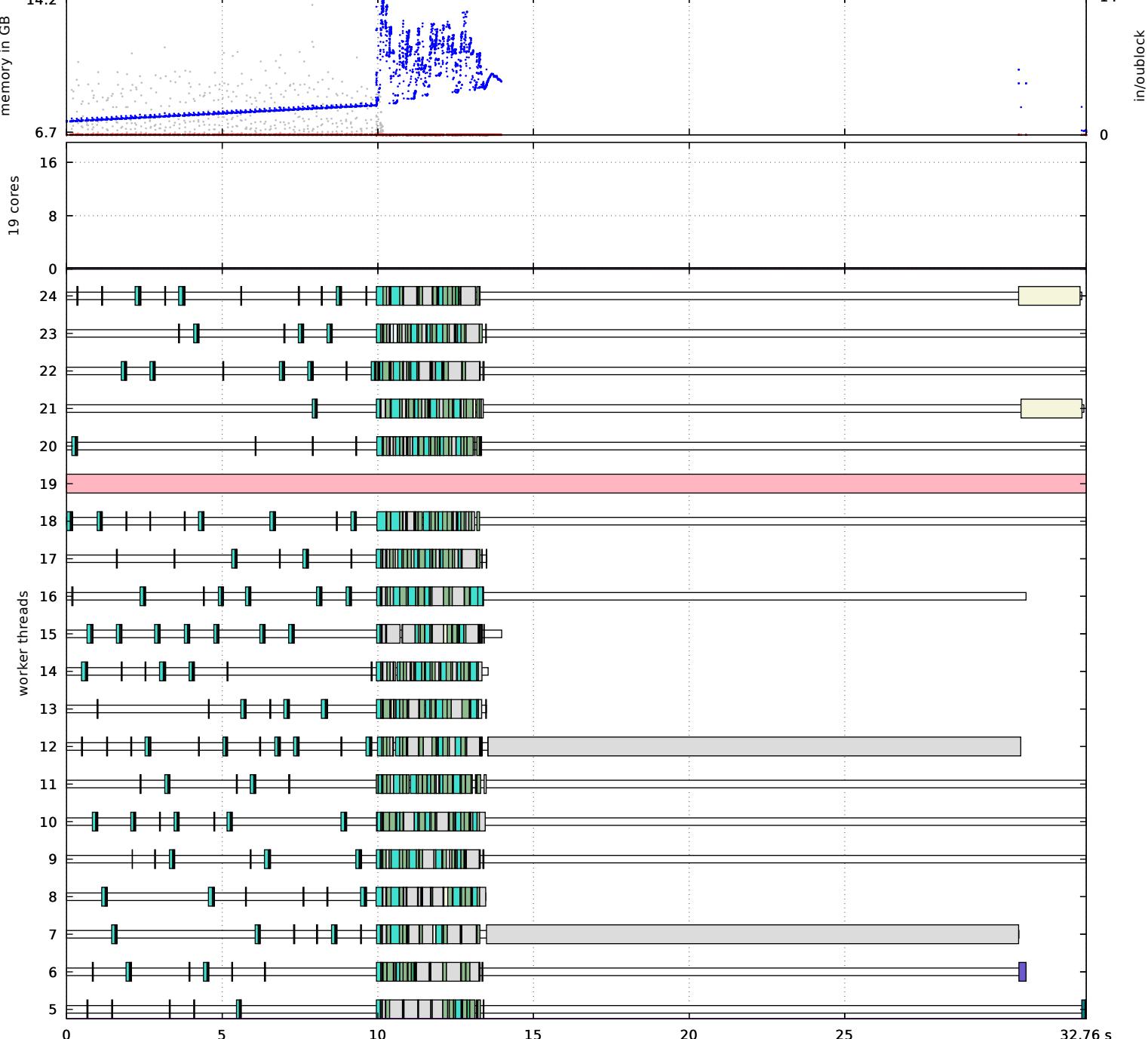
sql.mvc
1 call: 2.421 ms

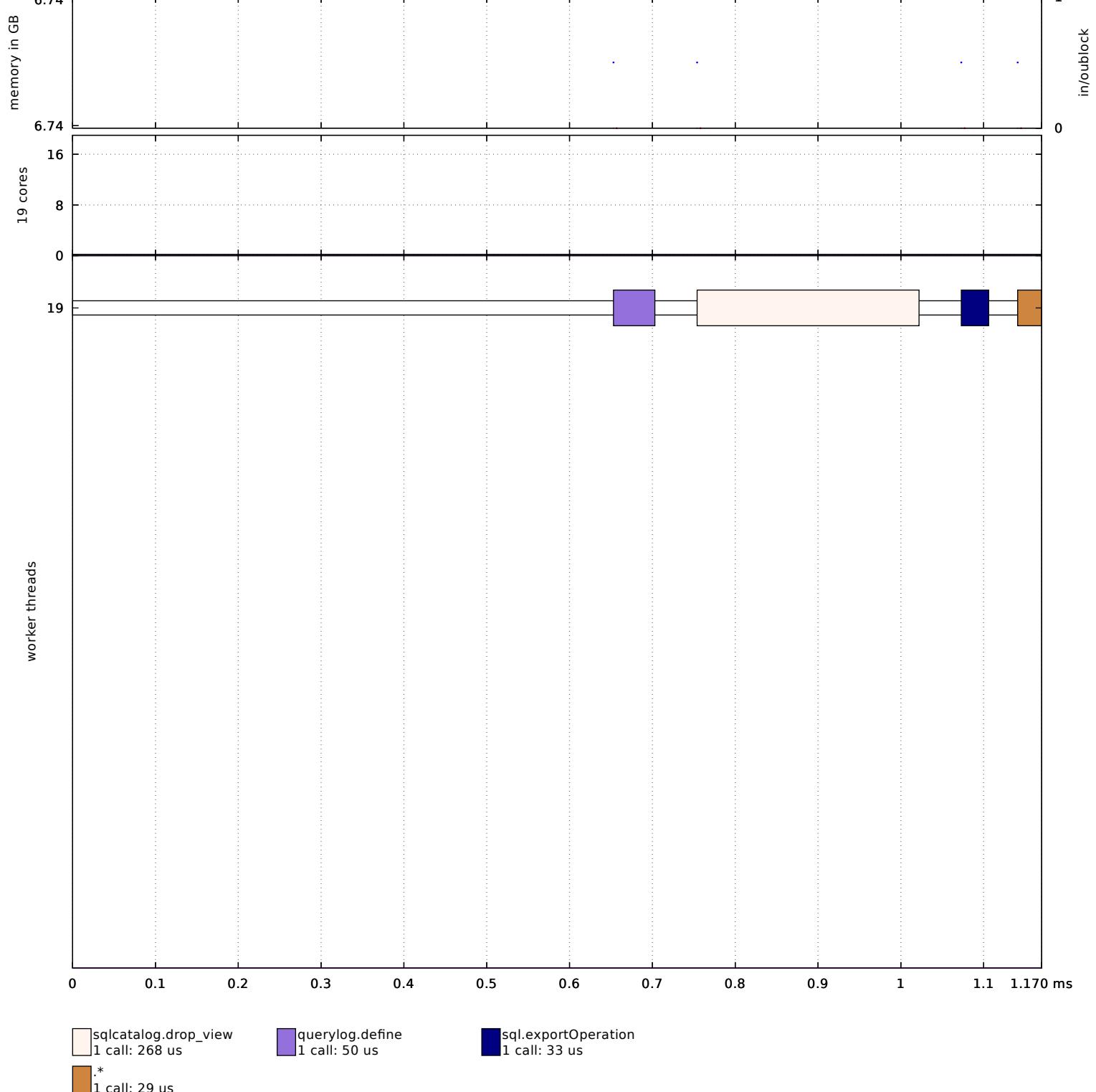
querylog.define
1 call: 175 us

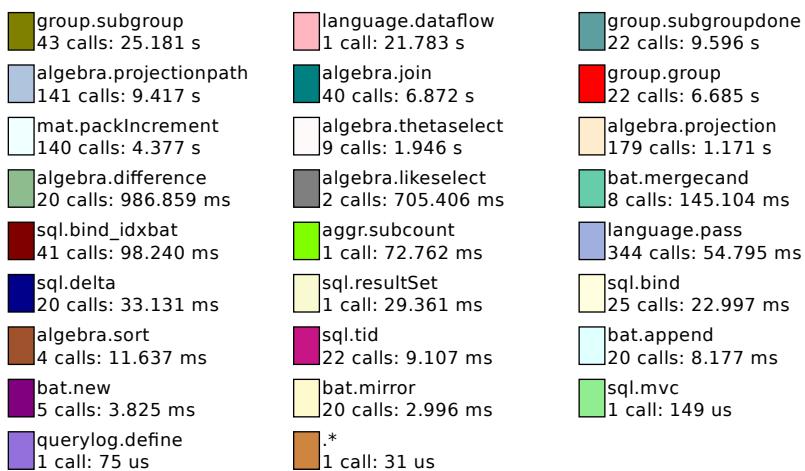
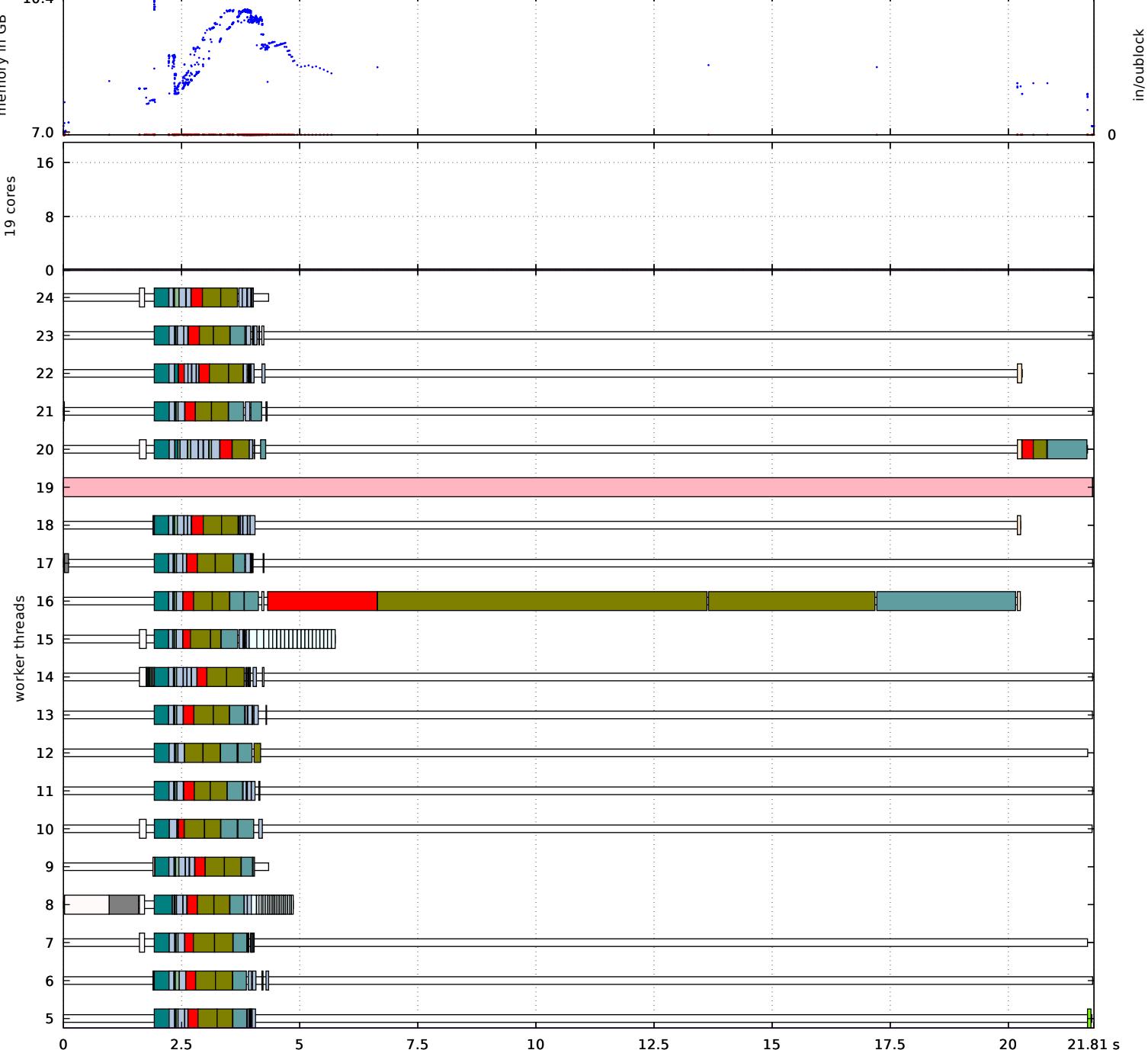


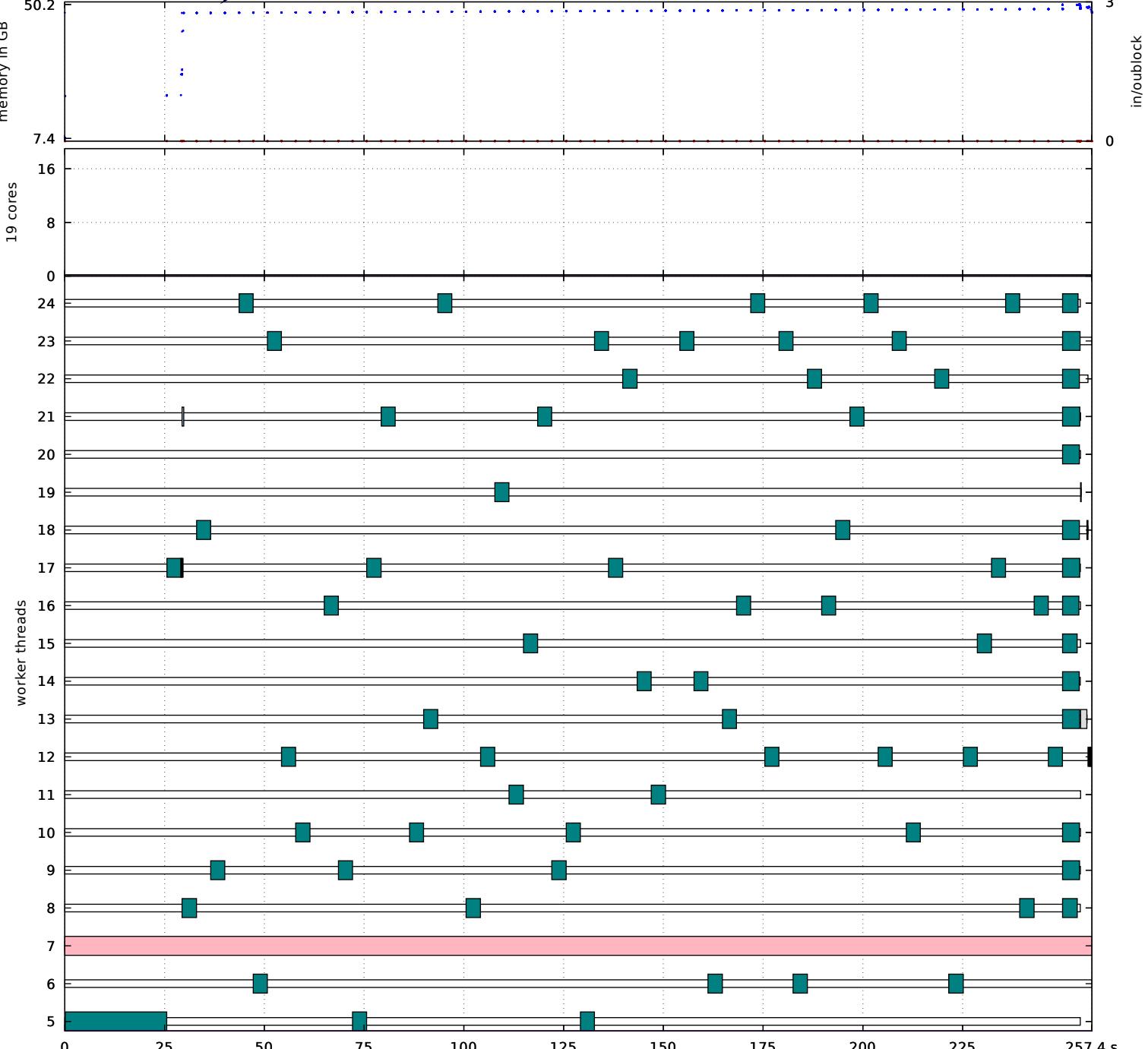
language.dataflow 1 call: 7.272 s	algebra.select 78 calls: 6.717 s	algebra.projectionpath 156 calls: 5.546 s
batalgebra.like 78 calls: 4.928 s	sql.projectdelta 78 calls: 2.006 s	algebra.projection 79 calls: 427.650 ms
aggr.sum 158 calls: 174.022 ms	batcalc.ifthenelse 156 calls: 133.434 ms	sql.bind_idxbat 157 calls: 123.793 ms
sql.bind 235 calls: 115.573 ms	batcalc.* 78 calls: 82.306 ms	algebra.join 78 calls: 79.072 ms
batcalc.. 78 calls: 69.592 ms	language.pass 314 calls: 41.849 ms	sql.tid 79 calls: 25.912 ms
batcalc.isnil 78 calls: 11.752 ms	language.block 128 calls: 8.389 ms	mat.pack 2 calls: 1.947 ms
mtime.addmonths 1 call: 1.338 ms	sql.resultSet 1 call: 315 us	algebra.selectNotNil 2 calls: 198 us
sql.mvc 1 call: 189 us	calc.hge 1 call: 130 us	querylog.define 1 call: 101 us
calc.* 1 call: 96 us	calc./ 1 call: 93 us	.* 1 call: 86 us



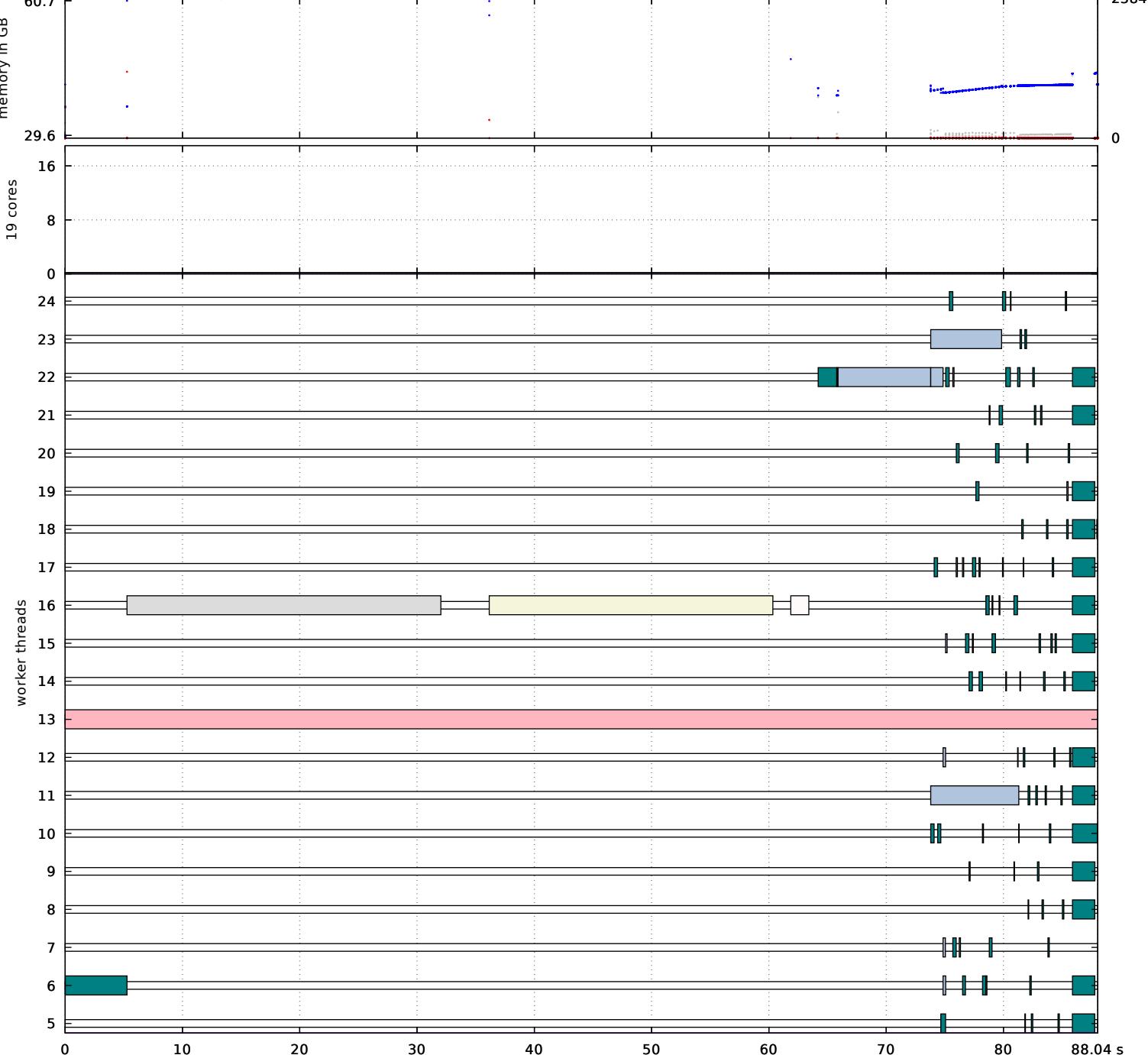




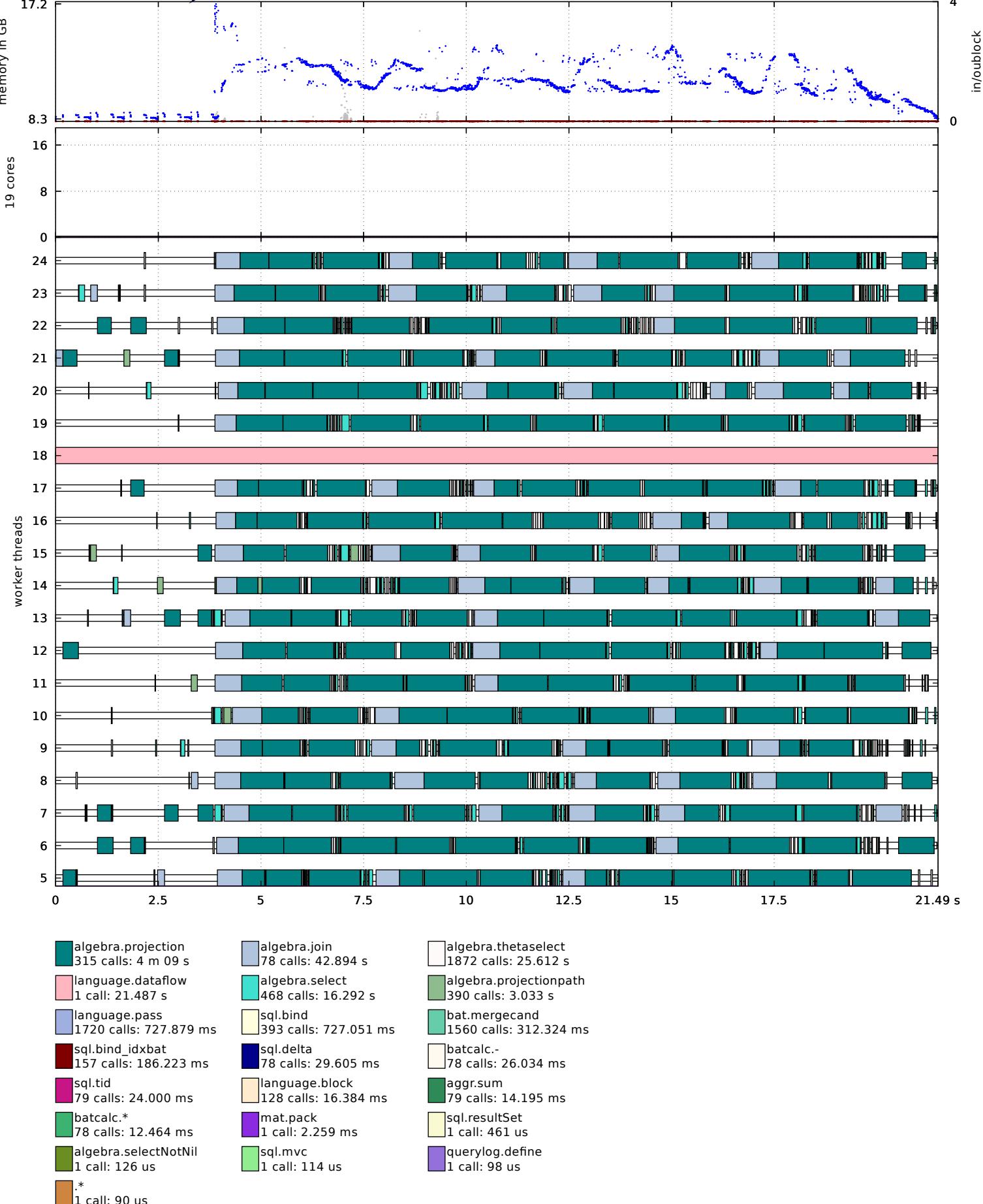


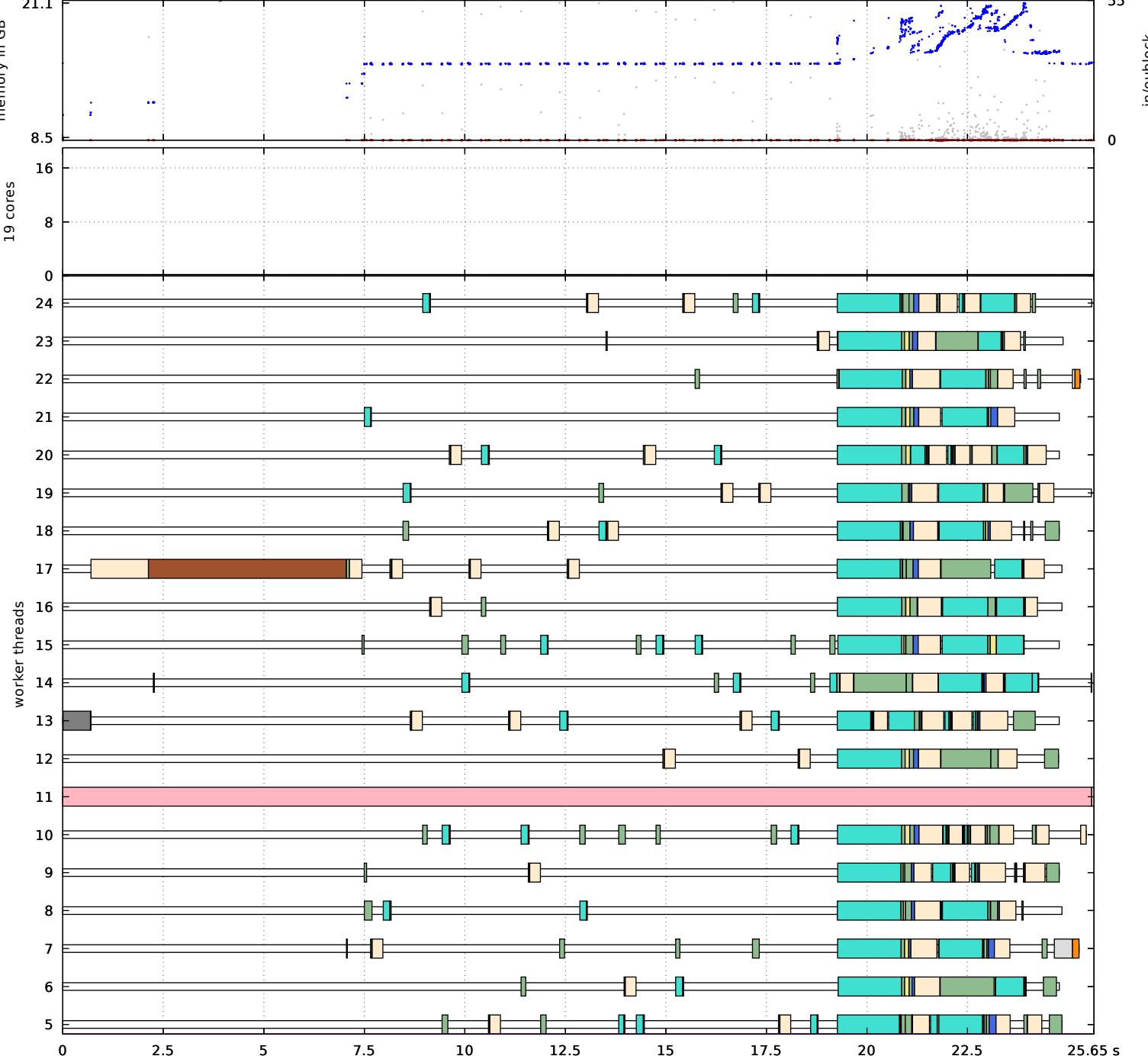


algebra.join 158 calls: 10 m 21 s	language.dataflow 2 calls: 8 m 34 s	algebra.projectionpath 478 calls: 7.743 s
group.groupdone 158 calls: 6.689 s	aggr.subavg 156 calls: 4.177 s	mat.packIncrement 780 calls: 2.710 s
algebra.projection 472 calls: 1.085 s	aggr.subsum 4 calls: 991.256 ms	batcalc.* 4 calls: 429.290 ms
batcalc./ 2 calls: 332.046 ms	batcalc.dbl 4 calls: 302.488 ms	sql.bind 324 calls: 200.008 ms
algebra.thetaselect 4 calls: 179.006 ms	sql.tid 160 calls: 88.036 ms	language.pass 646 calls: 66.136 ms
language.block 256 calls: 15.848 ms	batcalc.== 2 calls: 10.980 ms	batcalc.< 2 calls: 10.646 ms
algebra.select 2 calls: 7.994 ms	batcalc.ifthenelse 2 calls: 6.976 ms	sql.bind_idxbat 6 calls: 6.042 ms
aggr.sum 2 calls: 1.824 ms	sql.resultSet 2 calls: 554 us	sql.projectdelta 2 calls: 504 us
calc.hge 2 calls: 296 us	sql.mvc 2 calls: 258 us	calc./ 2 calls: 200 us
.* 2 calls: 126 us	batcalc.identity 2 calls: 124 us	.*.* 2 calls: 122 us

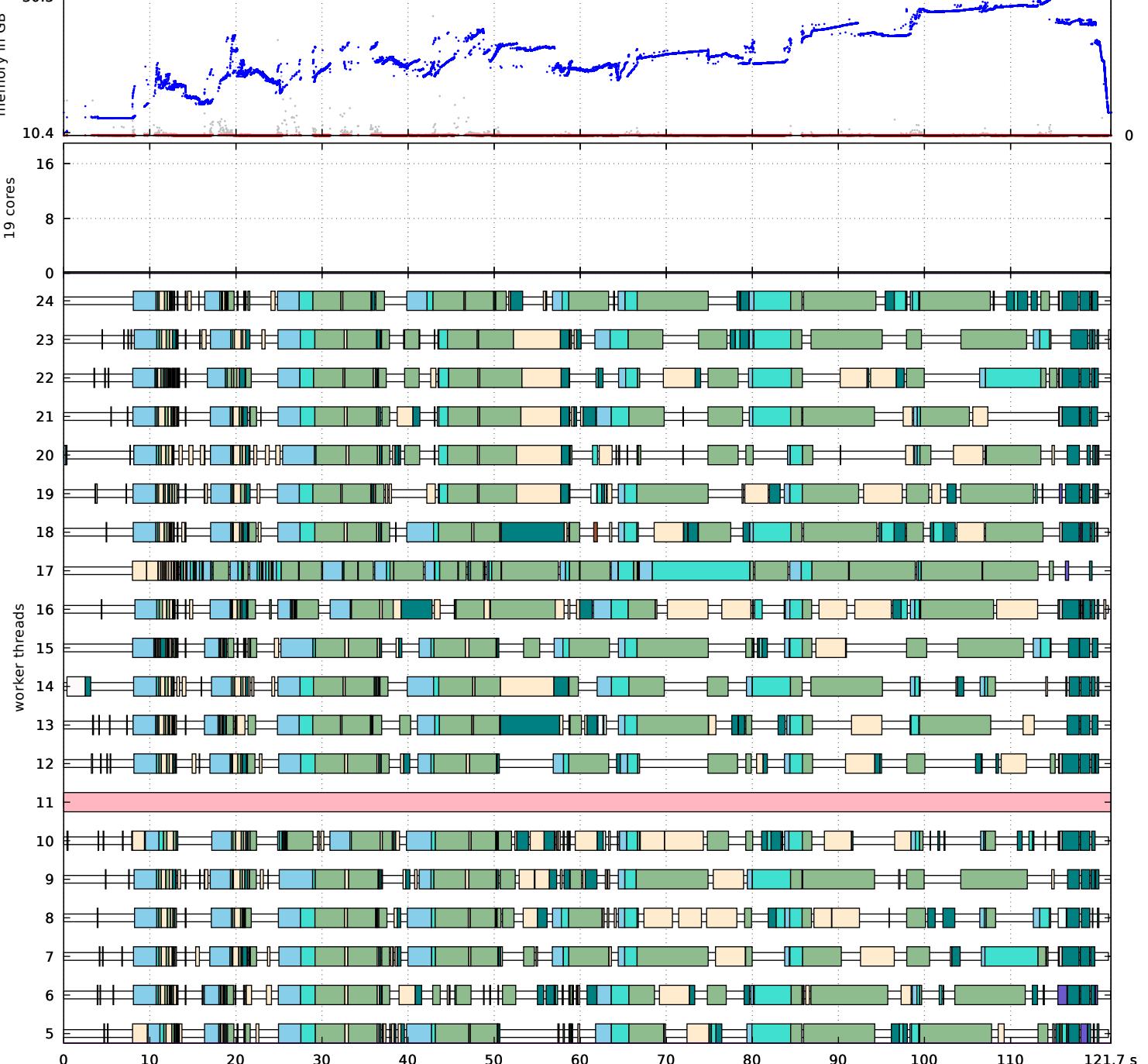


language.dataflow 1 call: 1 m 28 s	algebra.join 80 calls: 49.288 s	algebra.projectionpath 403 calls: 27.112 s
group.groupdone 1 call: 26.760 s	aggr.subsum 80 calls: 24.224 s	algebra.thetaselect 1 call: 1.544 s
mat.packIncrement 546 calls: 341.363 ms	language.pass 493 calls: 284.743 ms	sql.bind_idxbat 160 calls: 225.620 ms
algebra.projection 399 calls: 203.290 ms	sql.tid 81 calls: 58.014 ms	sql.delta 79 calls: 41.507 ms
sql.bind 85 calls: 39.338 ms	group.group 79 calls: 26.429 ms	group.subgroupdone 79 calls: 26.283 ms
language.block 128 calls: 15.269 ms	bat.append 30 calls: 9.111 ms	algebra.intersect 1 call: 4.269 ms
bat.new 5 calls: 2.569 ms	algebra.sort 2 calls: 1.871 ms	algebra.firstn 2 calls: 1.443 ms
sql.resultSet 1 call: 378 us	sql.mvc 1 call: 144 us	algebra.subslice 1 call: 122 us
querylog.define 1 call: 76 us	* 1 call: 63 us	bat.mirror 1 call: 54 us

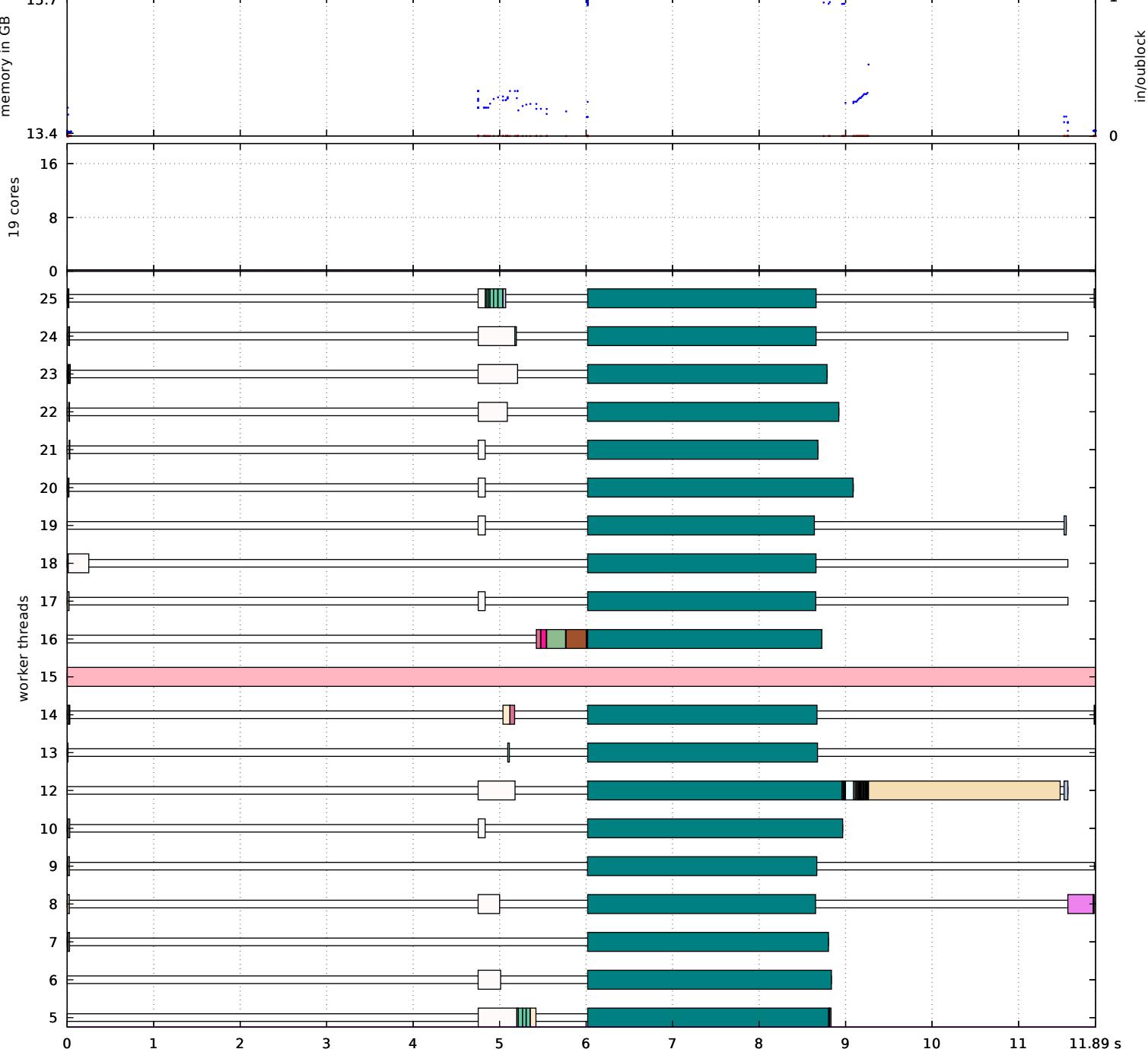




algebra.select 79 calls: 53.916 s	algebra.join 81 calls: 32.993 s	language.dataflow 1 call: 25.587 s
algebra.projectionpath 398 calls: 21.971 s	algebra.intersect 2 calls: 4.984 s	mkey.bulk_rotate_xor_hash 78 calls: 2.806 s
batmkey.hash 78 calls: 2.074 s	algebra.likeselect 1 call: 680.493 ms	group.groupdone 79 calls: 516.790 ms
algebra.projection 788 calls: 411.981 ms	batcalc.hge 2 calls: 284.136 ms	language.pass 1031 calls: 208.663 ms
sql.bind 321 calls: 201.523 ms	mat.packIncrement 312 calls: 122.141 ms	aggr.subsum 79 calls: 114.343 ms
sql.resultSet 1 call: 57.328 ms	algebra.thetaselect 157 calls: 54.656 ms	batcalc.== 156 calls: 51.577 ms
algebra.sort 1 call: 44.357 ms	sql.tid 82 calls: 24.743 ms	language.block 128 calls: 12.835 ms
batcalc.* 1 call: 5.580 ms	batcalc.> 1 call: 5.373 ms	sql.bind_idxbat 6 calls: 3.926 ms
bat.new 5 calls: 3.138 ms	bat.append 10 calls: 1.455 ms	bat.mirror 2 calls: 315 us
mtime.addmonths 1 call: 315 us	sql.delta 2 calls: 293 us	.*.* 4 calls: 411 us



algebra.projectionpath 625 calls: 13 m 02 s	algebra.join 12402 calls: 6 m 06 s	algebra.projection 37374 calls: 4 m 12 s
algebra.select 12324 calls: 3 m 55 s	batcalc.> 156 calls: 3 m 48 s	language.dataflow 1 call: 2 m 01 s
language.pass 13902 calls: 33.923 s	mat.packIncrement 12324 calls: 18.769 s	batcalc.!= 12168 calls: 18.586 s
algebra.difference 78 calls: 4.857 s	group.groupdone 79 calls: 3.710 s	sql.bind 784 calls: 3.283 s
algebra.thetaselect 2 calls: 2.130 s	algebra.intersect 78 calls: 1.980 s	sql.bind_idxbat 317 calls: 1.762 s
sql.tid 237 calls: 518.017 ms	aggr.subcount 78 calls: 269.603 ms	sql.delta 157 calls: 189.128 ms
bat.mirror 156 calls: 66.482 ms	bat.append 10 calls: 22.555 ms	aggr.subsum 1 call: 14.640 ms
language.block 128 calls: 10.455 ms	algebra.firstn 2 calls: 6.580 ms	algebra.sort 2 calls: 4.533 ms
algebra.subslice 1 call: 1.970 ms	bat.new 5 calls: 1.951 ms	sql.resultSet 1 call: 1.747 ms
.* 1 call: 222 us	sql.mvc 1 call: 194 us	.* 1 call: 82 us



algebra.join 20 calls: 54.898 s	language.dataflow 1 call: 11.889 s	batstr.substring 2 calls: 5.036 s
algebra.thetaselect 15 calls: 3.393 s	algebra.difference 1 call: 2.215 s	bat.mergeand 14 calls: 384.409 ms
mat.packIncrement 20 calls: 336.490 ms	algebra.projection 29 calls: 283.072 ms	algebra.intersect 1 call: 231.267 ms
algebra.thetajoin 1 call: 218.042 ms	batcalc dbl 2 calls: 102.731 ms	algebra.projectionpath 3 calls: 98.208 ms
sql.bind 23 calls: 92.272 ms	aggr.avg 1 call: 62.252 ms	sql.tid 21 calls: 17.405 ms
aggr.subsum 1 call: 15.077 ms	bat.new 5 calls: 11.291 ms	bat.append 15 calls: 9.751 ms
group.groupdone 1 call: 9.552 ms	aggr.subcount 1 call: 7.984 ms	language.pass 18 calls: 3.842 ms
algebra.sort 1 call: 1.381 ms	bat.mirror 2 calls: 505 us	sql.mvc 1 call: 279 us
sql.resultSet 1 call: 211 us	querylog.define 1 call: 141 us	sql.single 1 call: 135 us
.* 1 call: 66 us		