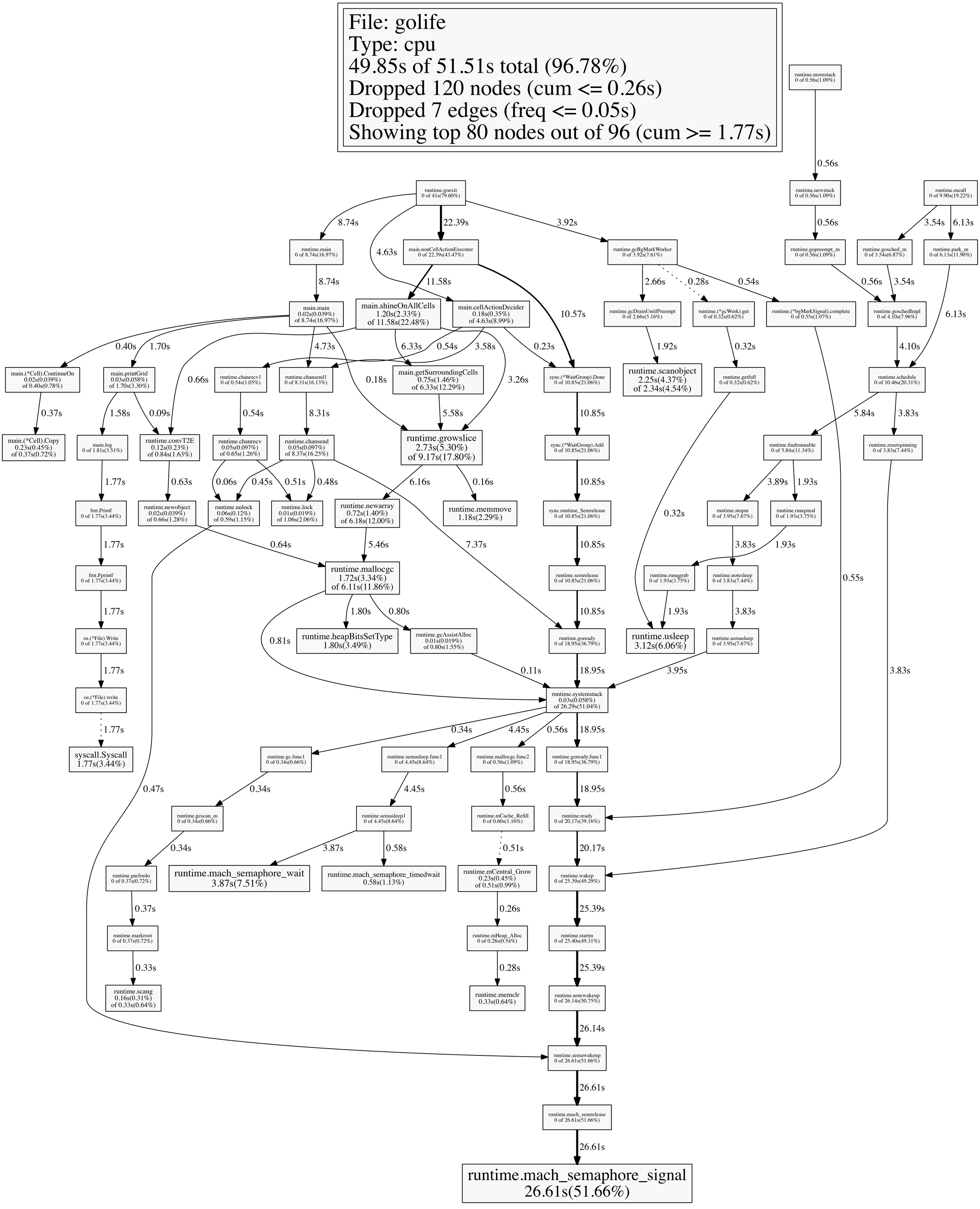
File: golife
Type: cpu
49.85s of 51.51s total (96.78%)
Dropped 120 nodes (cum <= 0.26s)
Dropped 7 edges (freq <= 0.05s)
Showing top 80 nodes out of 96 (cum >= 1.77s)
runtime.morestack 0 of 0.56s(1.09%)
0.56s
runtime.newstack 0 of 0.56s(1.09%)
runtime.mcall 0 of 9.90s(19.22%)
runtime.goexit 0 of 41s(79.60%)
8.74s
22.39s
3.92s
0.56s
3.54s
6.13s
runtime.main 0 of 8.74s(16.97%)
4.63s
main.nonCellActionExecuter 0 of 22.39s(43.47%)
runtime.gcBgMarkWorker 0 of 3.92s(7.61%)
runtime.gopreempt_m 0 of 0.56s(1.09%)
runtime.gosched_m 0 of 3.54s(6.87%)
runtime.park_m 0 of 6.13s(11.90%)
8.74s
11.58s
2.66s
0.28s
0.54s
0.56s
3.54s
main.main 0.02s(0.039%) of 8.74s(16.97%)
main.shineOnAllCells 1.20s(2.33%) of 11.58s(22.48%)
main.cellActionDecider 0.18s(0.35%) of 4.63s(8.99%)
10.57s
runtime.gcDrainUntilPreempt 0 of 2.66s(5.16%)
runtime.(*gcWork).get 0 of 0.32s(0.62%)
runtime.(*bgMarkSignal).complete 0 of 0.55s(1.07%)
runtime.goschedImpl 0 of 4.10s(7.96%)
6.13s
0.40s
1.70s
4.73s
6.33s
0.54s
3.58s
0.23s
1.92s
0.32s
4.10s
main.(*Cell).ContinueOn 0.02s(0.039%) of 0.40s(0.78%)
main.printGrid 0.03s(0.058%) of 1.70s(3.30%)
0.66s
runtime.chanrecv1 0 of 0.54s(1.05%)
runtime.chansend1 0 of 8.31s(16.13%)
0.18s
main.getSurroundingCells 0.75s(1.46%) of 6.33s(12.29%)
3.26s
sync.(*WaitGroup).Done 0 of 10.85s(21.06%)
runtime.scanobject 2.25s(4.37%) of 2.34s(4.54%)
runtime.getfull 0 of 0.32s(0.62%)
runtime.schedule 0 of 10.46s(20.31%)
0.37s
1.58s
0.09s
0.54s
8.31s
5.58s
10.85s
5.84s
3.83s
main.(*Cell).Copy 0.23s(0.45%) of 0.37s(0.72%)
main.log 0 of 1.81s(3.51%)
runtime.convT2E 0.12s(0.23%) of 0.84s(1.63%)
runtime.chanrecv 0.05s(0.097%) of 0.65s(1.26%)
runtime.chansend 0.05s(0.097%) of 8.37s(16.25%)
runtime.growslice 2.73s(5.30%) of 9.17s(17.80%)
sync.(*WaitGroup).Add 0 of 10.85s(21.06%)
runtime.findrunnable 0 of 5.84s(11.34%)
runtime.resetspinning 0 of 3.83s(7.44%)
1.77s
0.63s
0.06s
0.45s
0.51s
0.48s
6.16s
0.16s
10.85s
3.89s
1.93s
fmt.Printf 0 of 1.77s(3.44%)
runtime.newobject 0.02s(0.039%) of 0.66s(1.28%)
runtime.unlock 0.06s(0.12%) of 0.59s(1.15%)
runtime.lock 0.01s(0.019%) of 1.06s(2.06%)
runtime.newarray 0.72s(1.40%) of 6.18s(12.00%)
runtime.memmove 1.18s(2.29%)
sync.runtime_Semrelease 0 of 10.85s(21.06%)
0.32s
runtime.stopm 0 of 3.95s(7.67%)
runtime.runqsteal 0 of 1.93s(3.75%)
1.77s
0.64s
5.46s
7.37s
10.85s
3.83s
1.93s
fmt.Fprintf 0 of 1.77s(3.44%)
runtime.mallocgc 1.72s(3.34%) of 6.11s(11.86%)
runtime.semrelease 0 of 10.85s(21.06%)
runtime.runqgrab 0 of 1.93s(3.75%)
runtime.notesleep 0 of 3.83s(7.44%)
0.55s
1.77s
1.80s
0.80s
10.85s
1.93s
3.83s
os.(*File).Write 0 of 1.77s(3.44%)
0.81s
runtime.heapBitsSetType 1.80s(3.49%)
runtime.gcAssistAlloc 0.01s(0.019%) of 0.80s(1.55%)
runtime.goready 0 of 18.95s(36.79%)
runtime.usleep 3.12s(6.06%)
runtime.semasleep 0 of 3.95s(7.67%)
1.77s
0.11s
18.95s
3.95s
3.83s
os.(*File).write 0 of 1.77s(3.44%)
runtime.systemstack 0.03s(0.058%) of 26.29s(51.04%)
1.77s
0.34s
4.45s
0.56s
18.95s
syscall.Syscall 1.77s(3.44%)
runtime.gc.func1 0 of 0.34s(0.66%)
runtime.semasleep.func1 0 of 4.45s(8.64%)
runtime.mallocgc.func2 0 of 0.56s(1.09%)
runtime.goready.func1 0 of 18.95s(36.79%)
0.47s
0.34s
4.45s
0.56s
18.95s
runtime.gcscan_m 0 of 0.34s(0.66%)
runtime.semasleep1 0 of 4.45s(8.64%)
runtime.mCache_Refill 0 of 0.60s(1.16%)
runtime.ready 0 of 20.17s(39.16%)
0.34s
3.87s
0.58s
0.51s
20.17s
runtime.parfordo 0 of 0.37s(0.72%)
runtime.mach_semaphore_wait 3.87s(7.51%)
runtime.mach_semaphore_timedwait 0.58s(1.13%)
runtime.mCentral_Grow 0.23s(0.45%) of 0.51s(0.99%)
runtime.wakep 0 of 25.39s(49.29%)
0.37s
0.26s
25.39s
runtime.markroot 0 of 0.37s(0.72%)
runtime.mHeap_Alloc 0 of 0.28s(0.54%)
runtime.startm 0 of 25.40s(49.31%)
0.33s
0.28s
25.39s
runtime.scang 0.16s(0.31%) of 0.33s(0.64%)
runtime.memclr 0.33s(0.64%)
runtime.notewakeup 0 of 26.14s(50.75%)
26.14s
runtime.semawakeup 0 of 26.61s(51.66%)
26.61s
runtime.mach_semrelease 0 of 26.61s(51.66%)
26.61s
runtime.mach_semaphore_signal 26.61s(51.66%)