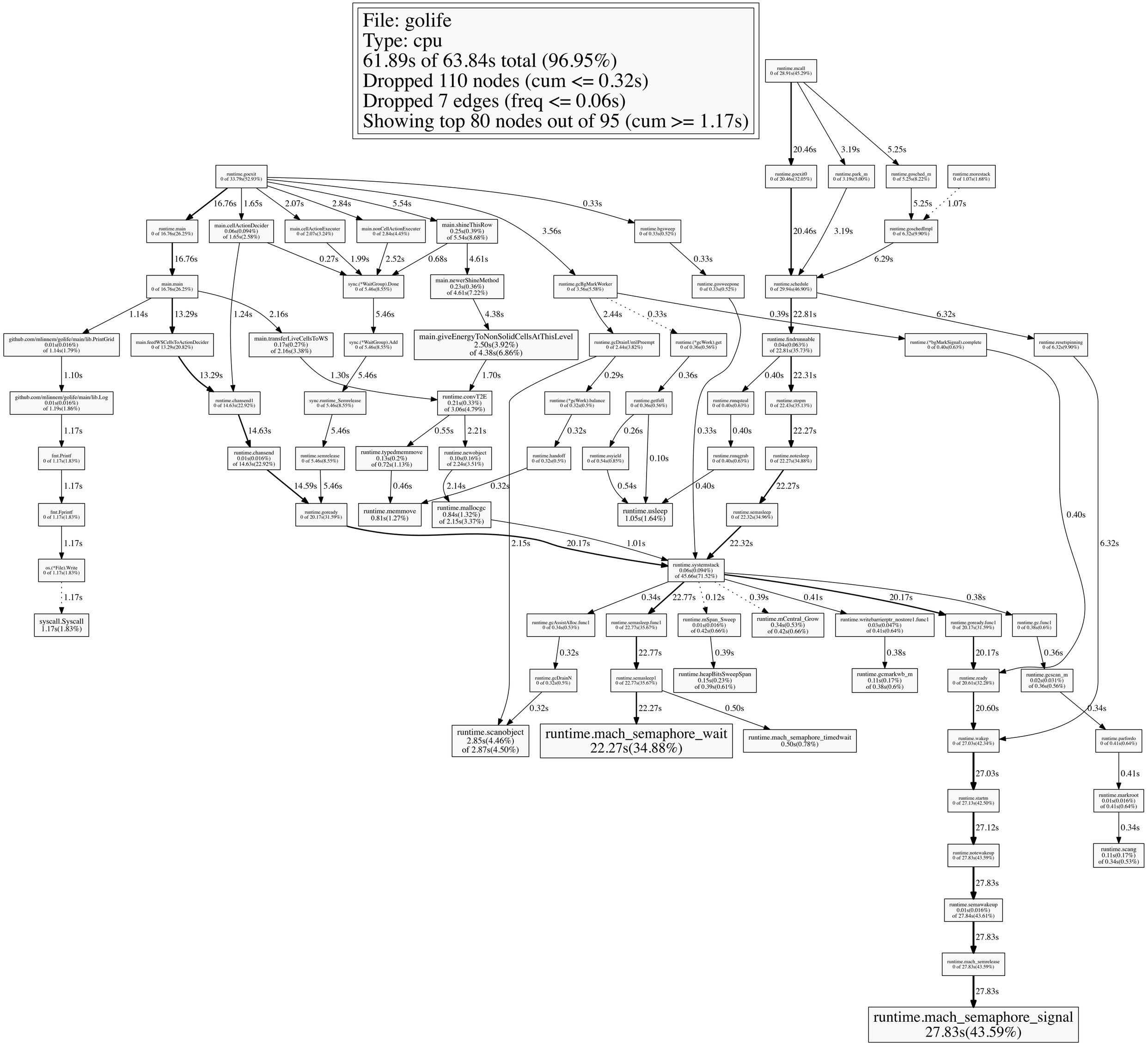
File: golife
Type: cpu
61.89s of 63.84s total (96.95%)
Dropped 110 nodes (cum <= 0.32s)
Dropped 7 edges (freq <= 0.06s)
Showing top 80 nodes out of 95 (cum >= 1.17s)
runtime.mcall 0 of 28.91s(45.29%)
runtime.goexit 0 of 33.79s(52.93%)
runtime.goexit0 0 of 20.46s(32.05%)
runtime.park_m 0 of 3.19s(5.00%)
runtime.gosched_m 0 of 5.25s(8.22%)
runtime.morestack 0 of 1.07s(1.68%)
runtime.goschedImpl 0 of 6.32s(9.90%)
runtime.main 0 of 16.76s(26.25%)
main.cellActionDecider 0.06s(0.094%) of 1.65s(2.58%)
main.cellActionExecuter 0 of 2.07s(3.24%)
main.nonCellActionExecuter 0 of 2.84s(4.45%)
main.shineThisRow 0.25s(0.39%) of 5.54s(8.68%)
runtime.bgsweep 0 of 0.33s(0.52%)
main.main 0 of 16.76s(26.25%)
sync.(*WaitGroup).Done 0 of 5.46s(8.55%)
main.newerShineMethod 0.23s(0.36%) of 4.61s(7.22%)
runtime.gcBgMarkWorker 0 of 3.56s(5.58%)
runtime.gosweepone 0 of 0.33s(0.52%)
runtime.schedule 0 of 29.94s(46.90%)
github.com/mlinnem/golife/main/lib.PrintGrid 0.01s(0.016%) of 1.14s(1.79%)
main.feedWSCellsToActionDecider 0 of 13.29s(20.82%)
main.transferLiveCellsToWS 0.17s(0.27%) of 2.16s(3.38%)
sync.(*WaitGroup).Add 0 of 5.46s(8.55%)
main.giveEnergyToNonSolidCellsAtThisLevel 2.50s(3.92%) of 4.38s(6.86%)
runtime.gcDrainUntilPreempt 0 of 2.44s(3.82%)
runtime.(*geWork).get 0 of 0.36s(0.56%)
runtime.findrunnable 0.04s(0.063%) of 22.81s(35.73%)
runtime.(*bgMarkSignal).complete 0 of 0.40s(0.63%)
runtime.resetspinning 0 of 6.32s(9.90%)
github.com/mlinnem/golife/main/lib.Log 0.01s(0.016%) of 1.19s(1.86%)
runtime.chansend1 0 of 14.63s(22.92%)
sync.runtime_Semrelease 0 of 5.46s(8.55%)
runtime.convT2E 0.21s(0.33%) of 3.06s(4.79%)
runtime.(*geWork).balance 0 of 0.32s(0.5%)
runtime.getfull 0 of 0.36s(0.56%)
runtime.runqsteal 0 of 0.40s(0.63%)
runtime.stopm 0 of 22.43s(35.13%)
fmt.Printf 0 of 1.17s(1.83%)
runtime.chansend 0.01s(0.016%) of 14.63s(22.92%)
runtime.semrelease 0 of 5.46s(8.55%)
runtime.typedmemmove 0.13s(0.2%) of 0.72s(1.13%)
runtime.newobject 0.10s(0.16%) of 2.24s(3.51%)
runtime.handoff 0 of 0.32s(0.5%)
runtime.osyield 0 of 0.54s(0.85%)
runtime.runqgrab 0 of 0.40s(0.63%)
runtime.notesleep 0 of 22.27s(34.88%)
fmt.Fprintf 0 of 1.17s(1.83%)
runtime.goready 0 of 20.17s(31.59%)
runtime.memmove 0.81s(1.27%)
runtime.mallocgc 0.84s(1.32%) of 2.15s(3.37%)
runtime.usleep 1.05s(1.64%)
runtime.semasleep 0 of 22.32s(34.96%)
os.(*File).Write 0 of 1.17s(1.83%)
runtime.systemstack 0.06s(0.094%) of 45.66s(71.52%)
syscall.Syscall 1.17s(1.83%)
runtime.gcAssistAlloc.func1 0 of 0.34s(0.53%)
runtime.semasleep.func1 0 of 22.77s(35.67%)
runtime.mSpan_Sweep 0.01s(0.016%) of 0.42s(0.66%)
runtime.mCentral_Grow 0.34s(0.53%) of 0.42s(0.66%)
runtime.writebarrierptr_nostore1.func1 0.03s(0.047%) of 0.41s(0.64%)
runtime.goready.func1 0 of 20.17s(31.59%)
runtime.gc.func1 0 of 0.38s(0.6%)
runtime.gcDrainN 0 of 0.32s(0.5%)
runtime.semasleep1 0 of 22.77s(35.67%)
runtime.heapBitsSweepSpan 0.15s(0.23%) of 0.39s(0.61%)
runtime.gcmarkwb_m 0.11s(0.17%) of 0.38s(0.6%)
runtime.ready 0 of 20.61s(32.28%)
runtime.gcscan_m 0.02s(0.031%) of 0.36s(0.56%)
runtime.scanobject 2.85s(4.46%) of 2.87s(4.50%)
runtime.mach_semaphore_wait 22.27s(34.88%)
runtime.mach_semaphore_timedwait 0.50s(0.78%)
runtime.wakep 0 of 27.03s(42.34%)
runtime.parfordo 0 of 0.41s(0.64%)
runtime.startm 0 of 27.13s(42.50%)
runtime.markroot 0.01s(0.016%) of 0.41s(0.64%)
runtime.notewakeup 0 of 27.83s(43.59%)
runtime.scang 0.11s(0.17%) of 0.34s(0.53%)
runtime.semawakeup 0.01s(0.016%) of 27.84s(43.61%)
runtime.mach_semrelease 0 of 27.83s(43.59%)
runtime.mach_semaphore_signal 27.83s(43.59%)