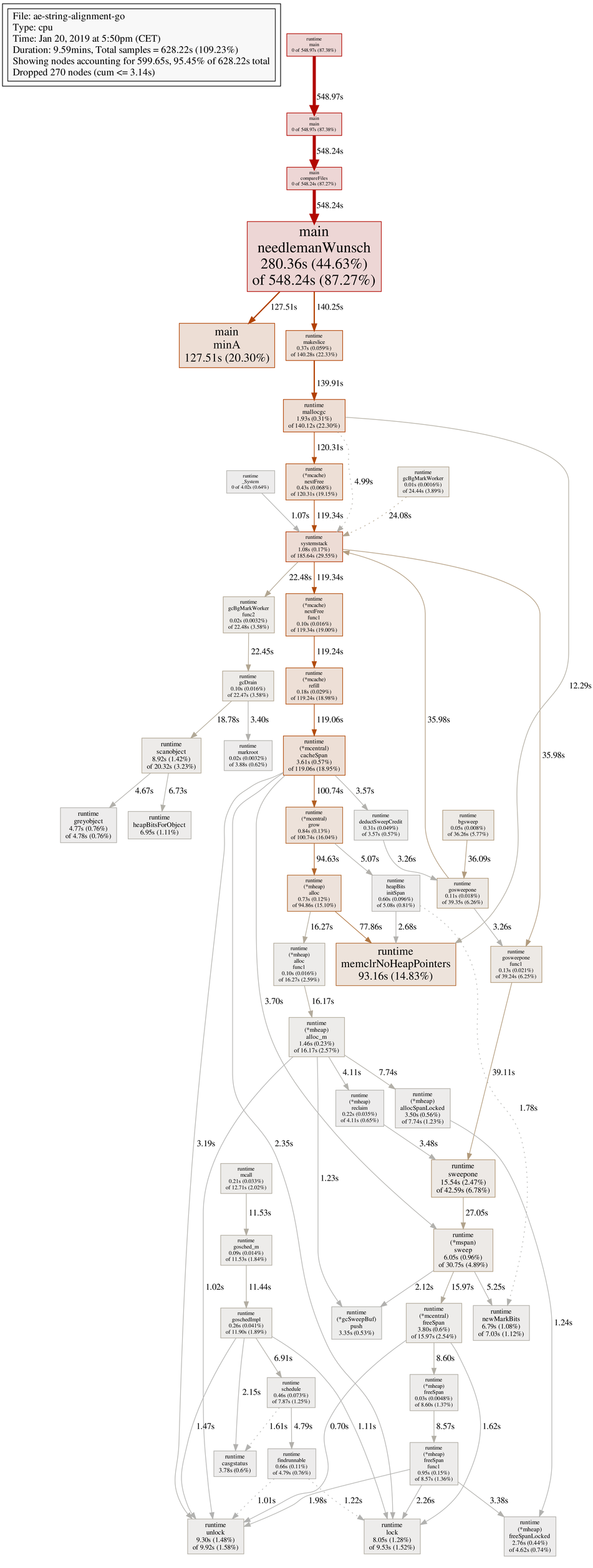
File: ae-string-alignment-go
Type: cpu
Time: Jan 20, 2019 at 5:50pm (CET)
Duration: 9.59mins, Total samples = 628.22s (109.23%)
Showing nodes accounting for 599.65s, 95.45% of 628.22s total
Dropped 270 nodes (cum <= 3.14s)
runtime main 0 of 548.97s (87.38%)
548.97s
main main 0 of 548.97s (87.38%)
548.24s
main compareFiles 0 of 548.24s (87.27%)
548.24s
main needlemanWunsch 280.36s (44.63%) of 548.24s (87.27%)
127.51s
140.25s
main minA 127.51s (20.30%)
runtime makeslice 0.37s (0.059%) of 140.28s (22.33%)
139.91s
runtime mallocgc 1.93s (0.31%) of 140.12s (22.30%)
120.31s
runtime .System 0 of 4.02s (0.64%)
runtime (*mcache) nextFree 0.43s (0.068%) of 120.31s (19.15%)
4.99s
runtime gcBgMarkWorker 0.01s (0.0016%) of 24.44s (3.89%)
1.07s
119.34s
24.08s
runtime systemstack 1.08s (0.17%) of 185.64s (29.55%)
22.48s
119.34s
runtime gcBgMarkWorker func2 0.02s (0.0032%) of 22.48s (3.58%)
runtime (*mcache) nextFree func1 0.10s (0.016%) of 119.34s (19.00%)
22.45s
119.24s
runtime gcDrain 0.10s (0.016%) of 22.47s (3.58%)
runtime (*mcache) refill 0.18s (0.029%) of 119.24s (18.98%)
12.29s
18.78s
3.40s
119.06s
35.98s
runtime scanobject 8.92s (1.42%) of 20.32s (3.23%)
runtime markroot 0.02s (0.0032%) of 3.88s (0.62%)
runtime (*mcentral) cacheSpan 3.61s (0.57%) of 119.06s (18.95%)
35.98s
4.67s
6.73s
runtime greyobject 4.77s (0.76%) of 4.78s (0.76%)
runtime heapBitsForObject 6.95s (1.11%)
100.74s
3.57s
runtime (*mcentral) grow 0.84s (0.13%) of 100.74s (16.04%)
runtime deductSweepCredit 0.31s (0.049%) of 3.57s (0.57%)
runtime bgsweep 0.05s (0.008%) of 36.26s (5.77%)
94.63s
5.07s
3.26s
36.09s
runtime (*mheap) alloc 0.73s (0.12%) of 94.86s (15.10%)
runtime heapBits initSpan 0.60s (0.096%) of 5.08s (0.81%)
runtime gosweepone 0.11s (0.018%) of 39.35s (6.26%)
16.27s
77.86s
2.68s
3.26s
runtime (*mheap) alloc func1 0.10s (0.016%) of 16.27s (2.59%)
runtime memclrNoHeapPointers 93.16s (14.83%)
runtime gosweepone func1 0.13s (0.021%) of 39.24s (6.25%)
3.70s
16.17s
runtime (*mheap) alloc_m 1.46s (0.23%) of 16.17s (2.57%)
39.11s
4.11s
7.74s
1.78s
runtime (*mheap) reclaim 0.22s (0.035%) of 4.11s (0.65%)
runtime (*mheap) allocSpanLocked 3.50s (0.56%) of 7.74s (1.23%)
3.19s
2.35s
3.48s
runtime mcall 0.21s (0.033%) of 12.71s (2.02%)
1.23s
runtime sweepone 15.54s (2.47%) of 42.59s (6.78%)
11.53s
27.05s
runtime gosched_m 0.09s (0.014%) of 11.53s (1.84%)
runtime (*mspan) sweep 6.05s (0.96%) of 30.75s (4.89%)
1.02s
11.44s
2.12s
15.97s
5.25s
runtime goschedImpl 0.26s (0.041%) of 11.90s (1.89%)
runtime (*gcSweepBuf) push 3.35s (0.53%)
runtime (*mcentral) freeSpan 3.80s (0.6%) of 15.97s (2.54%)
runtime newMarkBits 6.79s (1.08%) of 7.03s (1.12%)
1.24s
6.91s
8.60s
2.15s
runtime schedule 0.46s (0.073%) of 7.87s (1.25%)
runtime (*mheap) freeSpan 0.03s (0.0048%) of 8.60s (1.37%)
1.47s
1.61s
4.79s
0.70s
1.11s
8.57s
1.62s
runtime casgstatus 3.78s (0.6%)
runtime findrunnable 0.66s (0.11%) of 4.79s (0.76%)
runtime (*mheap) freeSpan func1 0.95s (0.15%) of 8.57s (1.36%)
1.01s
1.98s
1.22s
2.26s
3.38s
runtime unlock 9.30s (1.48%) of 9.92s (1.58%)
runtime lock 8.05s (1.28%) of 9.53s (1.52%)
runtime (*mheap) freeSpanLocked 2.76s (0.44%) of 4.62s (0.74%)