

Profiling Lab Notes

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Improvements

Benchmark	Time	Rel to start	Rel to prev	Improvement
midmark	13s	1.000	1.000	—
sandmark	245s	1.000	1.000	
advent	1hr+	1.000	1.000	
midmark	13s	1.000	1.000	Enable LTO
sandmark	244s	0.996	0.996	
advent	1hr+	1.000	1.000	
midmark	3.3s	0.253	0.253	Avoid reinitializing (cloning) 'memory[0]' if performing a jump
sandmark	54s	0.220	0.221	
advent	11s	0.003	0.003	
midmark	2.6s	0.2	0.788	Use HashMap for memory instead of BTreeMap
sandmark	43s	0.176	0.796	
advent	12s	0.003	1.091	
midmark	1.3s	0.1	0.5	Use "no-hash" hashing algorithm for memory map
sandmark	24s	0.098	0.558	
advent	6.7s	0.002	0.558	
midmark	0.4s	0.031	0.301	Use Vec for memory instead of HashMap (improves cache hit rate)
sandmark	11s	0.045	0.458	
advent	2.2s	0.001	0.328	