Mengtian Li Labnotes 11/21/2014

• •					
Benchmark big(sandmark) small(midmark) advent	Time 246.963s 9.882s 80.982s	Instructions 40,921,981,521 	Rel to start 1.000 1.000 1.000	Rel to prev 1.000 1.000 1.000	Improvement Start point
big(sandmark) small(midmark) advent	152.205s 5.848s 50.873s	29,912,646,045 	0.613 0.592 0.628	0.613 0.592 0.628	compile with 01
big(sandmark) small(midmark) advent	137.072s 5.767s 45.917s	29,579,823,528 	0.555 0.584 0.567	0.900 0.986 0.903	compile with 02
<pre>big(sandmark) small(midmark) advent</pre>	115.675s 4.584s 37.494s	24,173,256,058 	0.468 0.464 0.463	0.844 0.795 0.817	combine all .c file into main.c and remove all frees instructions
big(sandmark) small(midmark) advent	83.227s 3.329s 26.643s	13,469,142,442 	0.337 0.337 0.329	0.719 0.726 0.711	Bottle neck: bitpack calls Replace all bitpack_newu bitpack_getu with inline functions I wrote
big(sandmark) small(midmark) advent	53.443s 2.21s 18.691s	7,566,267,728 	0.216 0.224 0.231	0.642 0.664 0.702	Bottle neck: UArray Replace all UArray functions with inline functions I wrote
big(sandmark) small(midmark) advent	38.440s 1.562s 13.964s	6,958,580,246 	0.156 0.158 0.172	0.719 0.707 0.747	Bottle neck: Seq_get Already met requirement, start fixing loops and inline functions to make small improvements