	Time (s)	Instructions	Rel to Start	Rel to Prev	Improvement
Small Midmark	4.65	29,195,756,822	1	1	
Medium Partial Solution	40.84	-	1	1	No improvement (starting point)
Large Sandmark	114.61	-	1	1	
Small Midmark	3.22	22,035,205,957	0.692	0.692	
Medium Partial Solution	28.95	-	0.709	0.709	Compiled with optimization turned on and linked against -lcii-O1
Large Sandmark	84.33	-	0.736	0.736	
Small Midmark	2.83	22,043,393,896	0.609	0.879	
Medium Partial Solution	28.81	-	0.705	0.995	Compiled with optimization turned on and linked against -lcii-O2
Large Sandmark	80.19	-	0.700	0.951	
Small Midmark	2.37	12,342,279,868	0.510	0.837	Simplified bitpack_getu function.
Medium Partial Solution	21.88	-	0.536	0.759	Removed assert statements, and
Large Sandmark	60.98	-	0.532	0.760	eliminated function calls.
Small Midmark	1.9	9,960,315,043	0.409	0.802	Eliminated multiple calls to get the first
Medium Partial Solution	15.94	-	0.390	0.729	segment. The first segment is found once at the beginning rather than for
Large Sandmark	47.99	-	0.419	0.787	every command
Small Midmark	1.82	9,745,897,610	0.391	0.958	
Medium Partial Solution	15.4	-	0.377	0.966	Reduces bit unpacking by only unpacking neccesary register codes
Large Sandmark	46.41	-	0.405	0.967	
Small Midmark	1.1	5,884,982,424	0.237	0.604	Moved bitpack functions into program
Medium Partial Solution	9.05	-	0.222	0.588	files. Made the command functions
Large Sandmark	27.92	-	0.244	0.602	inline
Small Midmark	0.61	3,987,182,335	0.131	0.555	Moved getWord, setWord,
Medium Partial Solution	4.76	-	0.117	0.526	getRegister, and setRegister into the files that use them and made them
Large Sandmark	15.57	-	0.136	0.558	inline functions.
Small Midmark	0.54	3,685,846,102	0.116	0.885	Moved getNextCommand into
Medium Partial Solution	3.81	-	0.093	0.800	commands.c and made it an inline
Large Sandmark	13.93	-	0.122	0.895	function