sim_num_insn	63062
sim_num_refs	25976
sim_elapsed_time	1
sim_inst_rate	63062
sim_num_branches	12172
sim_IPB	5.1809
lookups	12172
updates	12172
jr_seen	155
ras_rate.PP	0.9935

Mode\Attr	addr_hits	dir_hits	misses	bpred_addr_rate	bpred_dir_rate	retstack_pushes	retstack_pops	used_ras.PP	ras_hits.PP
taken	11941	11941	231	0.981	0.981	0	0	0	0
nottaken	659	659	11513	0.0541	0.0541	0	0	0	0
bimod_2	11849	11945	227	0.9735	0.9814	155	153	153	152
bimod_4	11844	11939	233	0.9731	0.9809	155	153	153	152
bimod_8	11854	11946	226	0.9739	0.9814	155	153	153	152
bimod_16	11855	11944	228	0.974	0.9813	155	153	153	152
bimod_32	11861	11952	220	0.9744	0.9819	155	153	153	152
bimod_64	11870	11960	212	0.9752	0.9826	155	153	153	152
bimod_128	11877	11963	209	0.9758	0.9828	155	153	153	152
bimod_256	11877	11965	207	0.9758	0.983	155	153	153	152
bimod_512	11880	11970	202	0.976	0.9834	155	153	153	152
bimod_1024	11886	11974	198	0.9765	0.9837	155	153	153	152
bimod_2048	11893	11980	192	0.9771	0.9842	155	153	153	152
bimod_4096	11894	11981	191	0.9772	0.9843	155	153	153	152
2lev_1_4_1_0	11842	11941	231	0.9729	0.981	155	153	153	152
2lev_1_8_2_0	11841	11928	244	0.9728	0.98	155	153	153	152
2lev_1_16_3_0	11849	11935	237	0.9735	0.9805	155	153	153	152
2lev_1_32_4_0	11858	11943	229	0.9742	0.9812	155	153	153	152
2lev_1_64_5_0	11858	11939	233	0.9742	0.9809	155	153	153	152
2lev_1_128_6_0	11864	11953	219	0.9747	0.982	155	153	153	152
2lev_1_256_7_0	11861	11949	223	0.9744	0.9817	155	153	153	152
2lev_1_512_8_0	11852	11935	237	0.9737	0.9805	155	153	153	152
2lev_2_8_1_0	11848	11942	230	0.9734	0.9811	155	153	153	152
2lev_2_16_2_0	11837	11935	237	0.9725	0.9805	155	153	153	152
2lev_2_32_3_0	11849	11948	224	0.9735	0.9816	155	153	153	152
2lev_2_64_4_0	11854	11948	224	0.9739	0.9816	155	153	153	152
2lev_2_128_5_0	11858	11946	226	0.9742	0.9814	155	153	153	152
2lev_2_256_6_0	11848	11936	236	0.9734	0.9806	155	153	153	152
2lev_2_512_7_0	11844	11932	240	0.9731	0.9803	155	153	153	152
2lev_2_1024_8_0	11845	11929	243	0.9731	0.98	155	153	153	152
2lev_4_32_1_0	11871	11961	211	0.9753	0.9827	155	153	153	152
2lev_4_64_2_0	11873	11965	207	0.9754	0.983	155	153	153	152
2lev_4_128_3_0	11870	11958	214	0.9752	0.9824	155	153	153	152
2lev_4_256_4_0	11862	11952	220	0.9745	0.9819	155	153	153	152
2lev_4_512_5_0	11862	11951	221	0.9745	0.9818	155	153	153	152
2lev_4_1024_6_0	11859	11947	225	0.9743	0.9815	155	153	153	152
2lev_4_2048_7_0	11854	11940	232	0.9739	0.9809	155	153	153	152
2lev_4_4096_8_0	11853	11939	233	0.9738	0.9809	155	153	153	152
2lev_8_512_1_0	11882	11965	207	0.9762	0.983	155	153	153	152
2lev_8_1024_2_0	11879	11961	211	0.9759	0.9827	155	153	153	152

2lev_8_2048_3_0	11871	11955	217	0.9753	0.9822	155	153	153	152
2lev_8_4096_4_0	11868	11953	219	0.975	0.982	155	153	153	152
2lev_8_8192_5_0	11867	11951	221	0.9749	0.9818	155	153	153	152
2lev_8_16384_6_0	11862	11946	226	0.9745	0.9814	155	153	153	152
2lev_8_32768_7_0	11859	11943	229	0.9743	0.9812	155	153	153	152
2lev_8_65536_8_0	11858	11942	230	0.9742	0.9811	155	153	153	152
2lev_1_4_1_1	11843	11942	230	0.973	0.9811	155	153	153	152
2lev_1_8_2_1	11843	11935	237	0.973	0.9805	155	153	153	152
2lev_1_16_3_1	11854	11942	230	0.9739	0.9811	155	153	153	152
2lev_1_32_4_1	11857	11951	221	0.9741	0.9818	155	153	153	152
2lev_1_64_5_1	11849	11943	229	0.9735	0.9812	155	153	153	152
2lev_1_128_6_1	11856	11947	225	0.974	0.9815	155	153	153	152
2lev_1_256_7_1	11847	11940	232	0.9733	0.9809	155	153	153	152
2lev_1_512_8_1	11841	11934	238	0.9728	0.9804	155	153	153	152
2lev_2_8_1_1	11849	11943	229	0.9735	0.9812	155	153	153	152
2lev_2_16_2_1	11847	11945	227	0.9733	0.9814	155	153	153	152
2lev_2_32_3_1	11853	11945	227	0.9738	0.9814	155	153	153	152
2lev_2_64_4_1	11854	11941	231	0.9739	0.981	155	153	153	152
2lev_2_128_5_1	11849	11938	234	0.9735	0.9808	155	153	153	152
2lev_2_256_6_1	11847	11936	236	0.9733	0.9806	155	153	153	152
2lev_2_512_7_1	11843	11930	242	0.973	0.9801	155	153	153	152
2lev_2_1024_8_1	11843	11934	238	0.973	0.9804	155	153	153	152
2lev_4_32_1_1	11871	11960	212	0.9753	0.9826	155	153	153	152
2lev_4_64_2_1	11865	11959	213	0.9748	0.9825	155	153	153	152
2lev_4_128_3_1	11867	11954	218	0.9749	0.9821	155	153	153	152
2lev_4_256_4_1	11856	11944	228	0.974	0.9813	155	153	153	152
2lev_4_512_5_1	11853	11942	230	0.9738	0.9811	155	153	153	152
2lev_4_1024_6_1	11847	11934	238	0.9733	0.9804	155	153	153	152
2lev_4_2048_7_1	11839	11926	246	0.9726	0.9798	155	153	153	152
2lev_4_4096_8_1	11836	11921	251	0.9724	0.9794	155	153	153	152
2lev_8_512_1_1	11874	11959	213	0.9755	0.9825	155	153	153	152
2lev_8_1024_2_1	11866	11951	221	0.9749	0.9818	155	153	153	152
2lev_8_2048_3_1	11859	11944	228	0.9743	0.9813	155	153	153	152
2lev_8_4096_4_1	11856	11942	230	0.974	0.9811	155	153	153	152
2lev_8_8192_5_1	11852	11937	235	0.9737	0.9807	155	153	153	152
2lev_8_16384_6_1	11845	11930	242	0.9731	0.9801	155	153	153	152
2lev_8_32768_7_1	11839	11924	248	0.9726	0.9796	155	153	153	152
2lev_8_65536_8_1	11836	11921	251	0.9724	0.9794	155	153	153	152