sim_num_insn	136183	
sim_num_refs	53641	
sim_elapsed_time	1	
sim_inst_rate	136183	
sim_num_branches	30740	
sim_IPB	4.4302	
lookups	30740	
updates	30740	
jr_seen	49	
ras_rate.PP	0.9796	

Mode\Attr	addr_hits	dir_hits	misses	bpred_addr_rate	bpred_dir_rate	retstack_pushes	retstack_pops	used_ras.PP	ras_hits.PP
taken	25618	25618	5122	0.8334	0.8334	0	0	0	0
nottaken	15237	15237	15503	0.4957	0.4957	0	0	0	0
bimod_2	25533	25621	5119	0.8306	0.8335	51	49	49	48
bimod_4	25523	25609	5131	0.8303	0.8331	51	49	49	48
bimod_8	25542	25626	5114	0.8309	0.8336	51	49	49	48
bimod_16	25545	25632	5108	0.831	0.8338	51	49	49	48
bimod_32	25559	25643	5097	0.8315	0.8342	51	49	49	48
bimod_64	25560	25642	5098	0.8315	0.8342	51	49	49	48
bimod_128	25567	25649	5091	0.8317	0.8344	51	49	49	48
bimod_256	25563	25644	5096	0.8316	0.8342	51	49	49	48
bimod_512	20575	20657	10083	0.6693	0.672	51	49	49	48
bimod_1024	20580	20662	10078	0.6695	0.6722	51	49	49	48
bimod_2048	20581	20660	10080	0.6695	0.6721	51	49	49	48
bimod_4096	20581	20660	10080	0.6695	0.6721	51	49	49	48
2lev_1_4_1_0	25525	25617	5123	0.8304	0.8333	51	49	49	48
2lev_1_8_2_0	25526	25612	5128	0.8304	0.8332	51	49	49	48
2lev_1_16_3_0	30541	30622	118	0.9935	0.9962	51	49	49	48
2lev_1_32_4_0	30548	30636	104	0.9938	0.9966	51	49	49	48
2lev_1_64_5_0	30551	30631	109	0.9939	0.9965	51	49	49	48
2lev_1_128_6_0	30550	30629	111	0.9938	0.9964	51	49	49	48
2lev_1_256_7_0	30546	30625	115	0.9937	0.9963	51	49	49	48
2lev_1_512_8_0	30538	30617	123	0.9934	0.996	51	49	49	48
2lev_2_8_1_0	25532	25617	5123	0.8306	0.8333	51	49	49	48
2lev_2_16_2_0	25526	25620	5120	0.8304	0.8334	51	49	49	48
2lev_2_32_3_0	30547	30631	109	0.9937	0.9965	51	49	49	48
2lev_2_64_4_0	30549	30630	110	0.9938	0.9964	51	49	49	48
2lev_2_128_5_0	30550	30631	109	0.9938	0.9965	51	49	49	48
2lev_2_256_6_0	30545	30626	114	0.9937	0.9963	51	49	49	48
2lev_2_512_7_0	30537	30618	122	0.9934	0.996	51	49	49	48
2lev_2_1024_8_0	30537	30618	122	0.9934	0.996	51	49	49	48
2lev_4_32_1_0	25547	25628	5112	0.8311	0.8337	51	49	49	48
2lev_4_64_2_0	30550	30628	112	0.9938	0.9964	51	49	49	48
2lev_4_128_3_0	30542	30617	123	0.9936	0.996	51	49	49	48
2lev_4_256_4_0	30539	30617	123	0.9935	0.996	51	49	49	48
2lev_4_512_5_0	30538	30620	120	0.9934	0.9961	51	49	49	48
2lev_4_1024_6_0	30534	30614	126	0.9933	0.9959	51	49	49	48
2lev_4_2048_7_0	30526	30606	134	0.993	0.9956	51	49	49	48
2lev_4_4096_8_0	30528	30610	130	0.9931	0.9958	51	49	49	48
2lev_8_512_1_0	30557	30634	106	0.994	0.9966	51	49	49	48
2lev_8_1024_2_0	30557	30634	106	0.994	0.9966	51	49	49	48

2lev_8_2048_3_0	30550	30629	111	0.9938	0.9964	51	49	49	48
2lev_8_4096_4_0	30548	30628	112	0.9938	0.9964	51	49	49	48
2lev_8_8192_5_0	30543	30622	118	0.9936	0.9962	51	49	49	48
2lev_8_16384_6_0	30539	30618	122	0.9935	0.996	51	49	49	48
2lev_8_32768_7_0	30540	30620	120	0.9935	0.9961	51	49	49	48
2lev_8_65536_8_0	30537	30617	123	0.9934	0.996	51	49	49	48
2lev_1_4_1_1	25526	25618	5122	0.8304	0.8334	51	49	49	48
2lev_1_8_2_1	25532	25620	5120	0.8306	0.8334	51	49	49	48
2lev_1_16_3_1	25540	25620	5120	0.8308	0.8334	51	49	49	48
2lev_1_32_4_1	30546	30629	111	0.9937	0.9964	51	49	49	48
2lev_1_64_5_1	30553	30633	107	0.9939	0.9965	51	49	49	48
2lev_1_128_6_1	30549	30633	107	0.9938	0.9965	51	49	49	48
2lev_1_256_7_1	30549	30630	110	0.9938	0.9964	51	49	49	48
2lev_1_512_8_1	30542	30625	115	0.9936	0.9963	51	49	49	48
2lev_2_8_1_1	25536	25619	5121	0.8307	0.8334	51	49	49	48
2lev_2_16_2_1	25533	25624	5116	0.8306	0.8336	51	49	49	48
2lev_2_32_3_1	25547	25631	5109	0.8311	0.8338	51	49	49	48
2lev_2_64_4_1	30543	30629	111	0.9936	0.9964	51	49	49	48
2lev_2_128_5_1	30547	30627	113	0.9937	0.9963	51	49	49	48
2lev_2_256_6_1	30547	30633	107	0.9937	0.9965	51	49	49	48
2lev_2_512_7_1	30543	30626	114	0.9936	0.9963	51	49	49	48
2lev_2_1024_8_1	30537	30618	122	0.9934	0.996	51	49	49	48
2lev_4_32_1_1	25548	25625	5115	0.8311	0.8336	51	49	49	48
2lev_4_64_2_1	30551	30629	111	0.9939	0.9964	51	49	49	48
2lev_4_128_3_1	30540	30615	125	0.9935	0.9959	51	49	49	48
2lev_4_256_4_1	30537	30612	128	0.9934	0.9958	51	49	49	48
2lev_4_512_5_1	30537	30617	123	0.9934	0.996	51	49	49	48
2lev_4_1024_6_1	30537	30617	123	0.9934	0.996	51	49	49	48
2lev_4_2048_7_1	30531	30610	130	0.9932	0.9958	51	49	49	48
2lev_4_4096_8_1	30529	30608	132	0.9931	0.9957	51	49	49	48
2lev_8_512_1_1	30561	30643	97	0.9942	0.9968	51	49	49	48
2lev_8_1024_2_1	30558	30637	103	0.9941	0.9966	51	49	49	48
2lev_8_2048_3_1	30549	30630	110	0.9938	0.9964	51	49	49	48
2lev_8_4096_4_1	30546	30629	111	0.9937	0.9964	51	49	49	48
2lev_8_8192_5_1	30543	30626	114	0.9936	0.9963	51	49	49	48
2lev_8_16384_6_1	30539	30622	118	0.9935	0.9962	51	49	49	48
2lev_8_32768_7_1	30537	30621	119	0.9934	0.9961	51	49	49	48
2lev_8_65536_8_1	30533	30617	123	0.9933	0.996	51	49	49	48