

SETTINGS	gcc = -O3 -funroll-loops -emit-llvm opt = -std-compile-opts	gcc = -O3 -emit-llvm opt = -std-compile-opts	gcc = -O3 -emit-llvm opt =	gcc = -O3 -emit-llvm opt = -jump-threading -simplifycfg	clang = -O3 -emit-llvm opt = -jump-threading -simplifycfg	clang = -O3 -emit-llvm opt = -std-compile-opts
ADPCM	bb_cnt: 35 nodes: 55 38 38 31 21 20 18 18 17 14 14 14 12 nodes_cnt: 465 cand in bb: 14 6 6 5 4 4 3 3 3 3 2 2 2 2 2 2 1 cand_cnt: 83 cand_sel_cnt: 16 est_sw: 51051628051 est_hw: 39192563893 est_ratio: 1.30258	bb_cnt: 35 nodes: 55 38 38 31 21 20 18 18 17 14 14 14 12 nodes_cnt: 465 cand in bb: 14 6 6 5 4 4 3 3 3 3 2 2 2 2 2 2 1 cand_cnt: 83 cand_sel_cnt: 16 est_sw: 34953273413 est_hw: 26950762702 est_ratio: 1.29693	bb_cnt: 27 nodes: 55 37 31 21 20 18 18 17 14 14 12 11 11 nodes_cnt: 362 cand in bb: 14 5 5 4 4 3 3 3 2 2 2 2 1 1 1 1 1 1 cand_cnt: 62 cand_sel_cnt: 17 est_sw: 44957532839 est_hw: 33366108765 est_ratio: 1.3474	bb_cnt: 27 nodes: 55 37 31 26 21 20 18 17 15 14 14 12 12 nodes_cnt: 391 cand in bb: 14 8 5 5 4 3 3 3 2 2 2 2 1 1 1 1 1 1 cand_cnt: 66 cand_sel_cnt: 17 est_sw: 38833115835 est_hw: 29270792401 est_ratio: 1.32668	bb_cnt: 29 nodes: 59 38 31 27 21 20 19 17 15 15 15 14 12 nodes_cnt: 406 cand in bb: 13 8 5 5 4 3 3 2 2 2 2 1 1 1 1 1 1 1 cand_cnt: 65 cand_sel_cnt: 27 est_sw: 53281444109 est_hw: 36219667215 est_ratio: 1.47106	bb_cnt: 37 nodes: 55 39 39 31 21 20 19 19 18 15 15 14 12 nodes_cnt: 475 cand in bb: 13 6 6 5 4 4 3 3 3 2 2 2 2 2 2 2 2 1 cand_cnt: 82 cand_sel_cnt: 25 est_sw: 15998271891 est_hw: 12723092215 est_ratio: 1.25742
AES	bb_cnt: 5 nodes: 1407 286 6 3 1 nodes_cnt: 1703 cand in bb: 240 48 1 0 0 cand_cnt: 289 cand_sel_cnt: 240 est_sw: 3610 est_hw: 2458 est_ratio: 1.46867	bb_cnt: 5 nodes: 1407 286 6 3 1 nodes_cnt: 1703 cand in bb: 240 48 1 0 0 cand_cnt: 289 cand_sel_cnt: 240 est_sw: 3610 est_hw: 2458 est_ratio: 1.46867	bb_cnt: 6 nodes: 1407 713 126 91 29 6 nodes_cnt: 2372 cand in bb: 240 115 27 23 6 1 cand_cnt: 412 cand_sel_cnt: 270 est_sw: 4062 est_hw: 2836 est_ratio: 1.4323	bb_cnt: 6 nodes: 1407 713 126 91 29 6 nodes_cnt: 2372 cand in bb: 240 115 27 23 6 1 cand_cnt: 412 cand_sel_cnt: 270 est_sw: 4062 est_hw: 2836 est_ratio: 1.4323	bb_cnt: 182 nodes: 1759 1714 1597 1247 1180 1032 764 744 nodes_cnt: 14577 cand in bb: 286 237 236 199 180 167 124 116 45 45 cand_cnt: 2314 cand_sel_cnt: 1000 est_sw: 10623 est_hw: 7794 est_ratio: 1.36297	bb_cnt: 182 nodes: 1751 1714 1597 1238 1170 1025 756 734 nodes_cnt: 14629 cand in bb: 287 237 236 199 180 167 124 116 45 45 cand_cnt: 2308 cand_sel_cnt: 1000 est_sw: 10524 est_hw: 7683 est_ratio: 1.36978
Blowfish	bb_cnt: 12 nodes: 674 127 108 55 49 27 25 16 16 13 11 10 nodes_cnt: 1131 cand in bb: 92 34 25 8 5 5 5 4 3 3 2 2 cand_cnt: 188 cand_sel_cnt: 106 est_sw: 302868 est_hw: 205605 est_ratio: 1.47306	bb_cnt: 12 nodes: 674 127 108 55 49 27 25 16 16 13 11 10 nodes_cnt: 1131 cand in bb: 92 34 25 8 5 5 5 4 3 3 2 2 cand_cnt: 188 cand_sel_cnt: 106 est_sw: 302868 est_hw: 205605 est_ratio: 1.47306	bb_cnt: 12 nodes: 704 108 48 25 25 24 17 16 13 11 10 8 nodes_cnt: 1009 cand in bb: 96 25 8 5 5 5 3 3 2 2 2 1 cand_cnt: 157 cand_sel_cnt: 96 est_sw: 296758 est_hw: 201524 est_ratio: 1.47257	bb_cnt: 13 nodes: 704 108 48 25 25 24 17 16 13 11 8 4 3 nodes_cnt: 1006 cand in bb: 96 25 8 5 5 5 3 3 2 2 1 0 0 cand_cnt: 155 cand_sel_cnt: 96 est_sw: 295938 est_hw: 200950 est_ratio: 1.47269	bb_cnt: 12 nodes: 704 108 48 25 25 24 17 16 13 11 10 8 nodes_cnt: 1009 cand in bb: 96 25 8 5 5 5 3 3 2 2 2 1 cand_cnt: 157 cand_sel_cnt: 96 est_sw: 296758 est_hw: 201524 est_ratio: 1.47257	bb_cnt: 12 nodes: 674 127 108 55 49 27 25 16 13 11 10 3 nodes_cnt: 1118 cand in bb: 92 34 25 8 5 5 5 4 3 2 2 0 cand_cnt: 185 cand_sel_cnt: 105 est_sw: 288456 est_hw: 193397 est_ratio: 1.49152
FFT	bb_cnt: 30 nodes: 52 38 19 16 15 14 12 12 12 11 9 8 8 8 nodes_cnt: 307 cand in bb: 10 7 5 4 4 3 3 3 2 2 2 2 2 2 1 1 1 1 cand_cnt: 64 cand_sel_cnt: 28 est_sw: 382856 est_hw: 106427 est_ratio: 3.59736	bb_cnt: 30 nodes: 52 38 19 16 15 14 12 12 12 11 9 8 8 8 nodes_cnt: 307 cand in bb: 10 7 5 4 4 3 3 3 2 2 2 2 2 2 1 1 1 1 cand_cnt: 64 cand_sel_cnt: 28 est_sw: 382856 est_hw: 106427 est_ratio: 3.59736	bb_cnt: 30 nodes: 47 37 19 17 15 14 12 11 9 9 8 8 8 7 7 nodes_cnt: 284 cand in bb: 8 6 4 3 3 3 2 2 2 2 2 2 2 2 1 1 1 1 cand_cnt: 56 cand_sel_cnt: 19 est_sw: 8877823 est_hw: 3073617 est_ratio: 2.8884	bb_cnt: 30 nodes: 47 37 19 17 15 14 12 11 9 9 8 8 8 7 7 nodes_cnt: 284 cand in bb: 8 6 4 3 3 3 2 2 2 2 2 2 2 2 1 1 1 1 cand_cnt: 56 cand_sel_cnt: 19 est_sw: 8877823 est_hw: 3073617 est_ratio: 2.8884	bb_cnt: 31 nodes: 51 41 23 17 15 14 12 11 9 9 8 8 8 7 7 nodes_cnt: 298 cand in bb: 10 8 4 4 3 3 2 2 2 2 2 2 2 2 1 1 1 1 cand_cnt: 62 cand_sel_cnt: 26 est_sw: 11981324 est_hw: 3077753 est_ratio: 3.89288	bb_cnt: 31 nodes: 52 41 27 23 15 14 12 12 11 9 8 8 8 8 7 nodes_cnt: 322 cand in bb: 9 8 8 4 4 4 3 2 2 2 2 2 2 2 2 1 1 1 cand_cnt: 69 cand_sel_cnt: 32 est_sw: 439877 est_hw: 104401 est_ratio: 4.21334
MD5	bb_cnt: 19 nodes: 959 78 55 37 27 21 19 17 15 12 12 11 1 nodes_cnt: 1299 cand in bb: 81 18 9 6 6 5 4 3 3 2 2 2 2 1 1 1 1 1 cand_cnt: 149 cand_sel_cnt: 78 est_sw: 219463301 est_hw: 219459697 est_ratio: 1.00002	bb_cnt: 19 nodes: 959 78 55 37 27 21 19 17 15 12 12 11 1 nodes_cnt: 1299 cand in bb: 81 18 9 6 6 5 4 3 3 2 2 2 2 1 1 1 1 1 cand_cnt: 149 cand_sel_cnt: 78 est_sw: 219463301 est_hw: 219459697 est_ratio: 1.00002	bb_cnt: 17 nodes: 959 78 37 27 21 21 21 19 17 15 12 10 6 nodes_cnt: 1256 cand in bb: 81 18 6 6 5 5 4 3 3 3 2 1 1 1 1 1 1 cand_cnt: 142 cand_sel_cnt: 79 est_sw: 7125 est_hw: 3441 est_ratio: 2.07062	bb_cnt: 17 nodes: 959 78 37 27 21 21 21 19 17 15 12 10 6 nodes_cnt: 1256 cand in bb: 81 18 6 6 5 5 4 3 3 3 2 1 1 1 1 1 1 cand_cnt: 142 cand_sel_cnt: 79 est_sw: 7125 est_hw: 3441 est_ratio: 2.07062	bb_cnt: 22 nodes: 959 86 39 37 27 23 22 21 21 17 15 13 1 nodes_cnt: 1332 cand in bb: 81 20 8 6 6 5 5 4 3 3 3 2 1 1 1 1 1 1 cand_cnt: 155 cand_sel_cnt: 84 est_sw: 926 est_hw: 494 est_ratio: 1.87449	bb_cnt: 22 nodes: 959 78 55 39 37 27 24 23 21 17 15 13 1 nodes_cnt: 1360 cand in bb: 81 18 9 8 6 6 6 5 4 3 3 2 1 1 1 1 1 1 cand_cnt: 160 cand_sel_cnt: 84 est_sw: 939 est_hw: 508 est_ratio: 1.84843
SHA	bb_cnt: 30 nodes: 148 141 64 55 41 35 35 34 34 33 33 33 nodes_cnt: 1044 cand in bb: 39 32 9 8 8 7 6 6 5 5 5 5 5 5 5 5 cand_cnt: 177 cand_sel_cnt: 35 est_sw: 16923359 est_hw: 16913932 est_ratio: 1.00056	bb_cnt: 30 nodes: 148 141 64 55 41 35 35 34 34 33 33 33 nodes_cnt: 1044 cand in bb: 39 32 9 8 8 7 6 6 5 5 5 5 5 5 5 5 cand_cnt: 177 cand_sel_cnt: 35 est_sw: 16923359 est_hw: 16913932 est_ratio: 1.00056	bb_cnt: 29 nodes: 148 146 41 38 35 35 34 34 33 33 33 33 nodes_cnt: 990 cand in bb: 32 32 8 8 8 7 7 7 5 5 5 5 5 5 5 5 cand_cnt: 181 cand_sel_cnt: 41 est_sw: 32362 est_hw: 21989 est_ratio: 1.47174	bb_cnt: 29 nodes: 148 146 41 38 35 35 34 34 33 33 33 33 nodes_cnt: 990 cand in bb: 32 32 8 8 8 7 7 7 5 5 5 5 5 5 5 5 cand_cnt: 181 cand_sel_cnt: 41 est_sw: 32362 est_hw: 21989 est_ratio: 1.47174	bb_cnt: 31 nodes: 147 54 41 37 35 34 33 33 29 29 26 26 2 nodes_cnt: 777 cand in bb: 33 9 9 8 7 6 6 6 5 5 5 5 5 4 4 3 3 2 cand_cnt: 140 cand_sel_cnt: 35 est_sw: 463 est_hw: 397 est_ratio: 1.16625	bb_cnt: 33 nodes: 147 54 48 41 35 34 33 33 32 29 29 26 2 nodes_cnt: 849 cand in bb: 33 9 9 9 8 7 6 6 6 6 5 5 5 5 5 4 3 3 cand_cnt: 153 cand_sel_cnt: 26 est_sw: 504 est_hw: 447 est_ratio: 1.12752
SOR	bb_cnt: 17 nodes: 29 29 15 15 14 10 10 8 5 5 5 4 3 3 2 nodes_cnt: 164 cand in bb: 4 4 3 3 3 3 3 2 2 2 1 1 1 1 1 0 0 cand_cnt: 34 cand_sel_cnt: 12 est_sw: 118863080 est_hw: 117764910 est_ratio: 1.00933	bb_cnt: 17 nodes: 29 29 15 15 14 10 10 8 5 5 5 5 4 3 3 2 nodes_cnt: 164 cand in bb: 4 4 3 3 3 3 3 2 2 2 1 1 1 1 1 0 0 cand_cnt: 34 cand_sel_cnt: 12 est_sw: 118863080 est_hw: 117764910 est_ratio: 1.00933	bb_cnt: 15 nodes: 29 15 14 10 10 10 8 7 5 5 5 3 3 2 1 nodes_cnt: 127 cand in bb: 3 3 3 3 3 2 2 2 2 2 1 0 0 0 0 cand_cnt: 26 cand_sel_cnt: 9 est_sw: 5607415 est_hw: 332885 est_ratio: 16.8449	bb_cnt: 15 nodes: 29 15 14 10 10 10 8 7 5 5 5 3 3 2 1 nodes_cnt: 127 cand in bb: 3 3 3 3 3 2 2 2 2 2 1 0 0 0 0 cand_cnt: 26 cand_sel_cnt: 9 est_sw: 5607415 est_hw: 332885 est_ratio: 16.8449	bb_cnt: 15 nodes: 32 21 14 10 10 10 8 7 6 5 5 5 3 2 1 nodes_cnt: 139 cand in bb: 4 4 3 3 3 2 2 2 2 2 1 0 0 0 0 cand_cnt: 28 cand_sel_cnt: 13 est_sw: 20426719 est_hw: 362686 est_ratio: 56.3207	bb_cnt: 17 nodes: 32 29 21 15 14 10 10 8 7 5 5 5 5 3 3 2 nodes_cnt: 176 cand in bb: 4 4 4 4 3 3 3 2 2 2 1 1 1 1 1 0 0 cand_cnt: 36 cand_sel_cnt: 16 est_sw: 138130272 est_hw: 118021838 est_ratio: 1.17038
WHETSTONE	bb_cnt: 24 nodes: 39 31 29 24 18 15 15 12 10 10 9 9 8 7 nodes_cnt: 290 cand in bb: 18 6 6 3 2 2 2 2 2 1 1 1 0 0 0 0 0 0 cand_cnt: 46 cand_sel_cnt: 23 est_sw: 225296339 est_hw: 6725115 est_ratio: 33.5007	bb_cnt: 24 nodes: 39 31 29 24 18 15 15 12 10 10 9 9 8 7 nodes_cnt: 290 cand in bb: 18 6 6 3 2 2 2 2 2 1 1 1 0 0 0 0 0 0 cand_cnt: 46 cand_sel_cnt: 23 est_sw: 225296339 est_hw: 6725115 est_ratio: 33.5007	bb_cnt: 24 nodes: 39 31 30 24 18 17 15 13 12 11 10 9 9 7 nodes_cnt: 294 cand in bb: 18 6 6 3 2 2 2 2 2 2 1 1 0 0 0 0 0 0 cand_cnt: 47 cand_sel_cnt: 25 est_sw: 245893220 est_hw: 13659098 est_ratio: 18.0022	bb_cnt: 24 nodes: 39 31 30 24 18 17 15 13 12 11 10 9 9 7 nodes_cnt: 294 cand in bb: 18 6 6 3 2 2 2 2 2 2 1 1 0 0 0 0 0 0 cand_cnt: 47 cand_sel_cnt: 25 est_sw: 245893220 est_hw: 13659098 est_ratio: 18.0022	bb_cnt: 24 nodes: 46 39 31 30 24 19 18 17 15 13 12 11 10 nodes_cnt: 348 cand in bb: 18 6 6 4 3 2 2 2 2 2 2 1 0 0 0 0 0 0 cand_cnt: 50 cand_sel_cnt: 28 est_sw: 530815222 est_hw: 177301099 est_ratio: 2.99386	bb_cnt: 26 nodes: 46 39 31 29 24 22 18 17 15 15 14 12 10 nodes_cnt: 370 cand in bb: 18 6 6 4 3 3 2 2 2 2 1 1 1 1 0 0 0 0 cand_cnt: 52 cand_sel_cnt: 25 est_sw: 37716206008 est_hw: 34078416881 est_ratio: 1.10675
aDPCM	a	b				
std-compile-pass:	Pass Arguments: -preverify -domtree -verify -lowersetjmp -raiseallocs -simplifycfg -domtree -domfrontier -mem2reg -globalopt -globaldce -ipconstprop -deadargelim -instcombine -simplifycfg -basiccg -prune-eh -functionattrs -inline -argpromotion -simplify-libcalls -instcombine -jump-threading -simplifycfg -domtree -domfrontier -scalarmrepl -instcombine -break-crit-edges -condprop -tailcallelim -simplifycfg -reassociate -domtree -domfrontier -lcssa -loop-rotate -lcm -lcssa -loop-unswitch -loop-index-split -instcombine -scalar-evolution -lcssa -iv-users -indvars -loop-deletion -lcssa -loop-unroll -instcombine -memdep -gvn -memdep -memcpiopt -sccp -instcombine -break-crit-edges -condprop -domtree -memdep -dse -adce -simplifycfg -strip-dead-prototypes -print-used-types -deadtypeelim -constmerge -preverify -domtree -verify					