

All binary sizes are in bytes.

The % column is computed as  $(\$2/\$3 - 1) * 100$

'+' value means column3 is a improvement with column2 as the base.

'-' value means column3 is a degradation with column2 as the base.

>+5% is marked as **green**.

### PGO Instrumented LLVM (release build)

benchmark	w/o preinline	w/ preinline	size reduction%
clang-3.9	254774653	99367183	+156.40%

### Google internal benchmarks

benchmark	w/o preinline	w/ preinline	size reduction%
C++_benchmark01	867168008	522334072	+66.02%
C++_benchmark02	351563872	202716280	+73.43%
C++_benchmark03	435828800	285468560	+52.67%
C++_benchmark04	941740872	765130512	+23.08%
C++_benchmark05	1046440040	731363616	+43.08%
C++_benchmark06	39883232	20744656	+92.26%
C++_benchmark07	39883232	20744656	+92.26%
C++_benchmark08	39883232	20744656	+92.26%
C_benchmark09	34524760	31412688	+9.91%
C_benchmark10	34524760	31412688	+9.91%
C++_benchmark11	32199432	19852384	+62.20%
C++_benchmark12	625726824	357742432	+74.91%
C++_benchmark14	634150080	363395896	+74.51%
C_benchmark15	12931936	11163272	+15.84%
C++_benchmark16	232313144	124883592	+86.02%
C++_benchmark17	344309048	215919976	+59.46%
C++_benchmark18	344309048	215919976	+59.46%
C++_benchmark19	918122424	549189848	+67.18%
C++_benchmark20	43594016	22844912	+90.83%
C_benchmark21	10218016	8469568	+20.64%
C++_benchmark22	31834344	19660416	+61.92%

**SPEC2006 C and C++ programs:**

benchmark	w/o preinline	w/ preinline	size reduction%
433.milc (C)	2359603	2359603	+0.00%
444.namd (C++)	2549725	2536414	+0.52%
447.dealII (C++)	14209617	9303024	+52.74%
450.soplex (C++)	3121986	2888851	+8.07%
453.povray (C++)	3802721	3702914	+2.70%
470.lbm (C)	2195576	2195156	+0.02%
482.sphinx3 (C)	2435469	2428683	+0.28%
400.perlbench (C)	3960654	3923973	+0.93%
401.bzip2 (C)	2280031	2281998	-0.09%
403.gcc (C)	7891664	7803997	+1.12%
429.mcf (C)	2197172	2197172	+0.00%
445.gobmk (C)	6501603	6482080	+0.30%
456.hmmmer (C)	2611324	2604339	+0.27%
458.sjeng (C)	2374560	2373742	+0.03%
462.libquantum (C)	2240714	2239656	+0.05%
464.h264ref (C)	3015657	3011177	+0.15%
471.omnetpp (C++)	3645503	3477322	+4.84%
473.astar (C++)	2253136	2238693	+0.65%
483.xalanbmk (C++)	18212489	12745061	+42.90%