output_string ()

ENTRY
[100%]
FREQ:10000
<bb 2>:
__printf_chk (1, "%s", buffer_3(D));
write_to_file.30_1 = write_to_file;
if (write_to_file.30_1 != 0)
goto <bb 3>; [36.64%]
else
goto <bb 5>; [63.36%]
[63%]
[36%]
FREQ:6336
<bb 3>:
goto <bb 4>; [100.00%]
FREQ:3664
<bb 3>:
global_ofile.31_7 = global_ofile;
__builtin_fputs (buffer_3(D), global_ofile.31_7); [tail call]
[100%]
[100%]
FREQ:10000
<bb 4>:
return;
[100%]
EXIT

main ()

ENTRY
[100%]
FREQ:911
<bb 2>:
global_min_ticks = 60;
global_min_seconds = 5;
global_allstats = 0;
global_custrun = 0;
global_algs = 8;
write_to_file = 0;
mem_array_mets = 0;
MEM[(int *)&tests_to_do] = { 1, 1, 1, 1 };
MEM[(int *)&tests_to_do + 16B] = { 1, 1, 1, 1 };
tests_to_do[0] = 1;
tests_to_do[9] = 1;
global_numsortstruct.request_secs = 5;
global_strsortstruct.request_secs = 5;
global_bitopstruct.request_secs = 5;
global_emfloatstruct.request_secs = 5;
global_fourierstruct.request_secs = 5;
global_assignstruct.request_secs = 5;
global_ideastruct.request_secs = 5;
global_huffstruct.request_secs = 5;
global_nnetstruct.request_secs = 5;
global_lustruct.request_secs = 5;
global_numsortstruct.adjust = 0;
global_numsortstruct.arraysize = 8111;
global_strsortstruct.adjust = 0;
global_strsortstruct.arraysize = 8111;
global_bitopstruct.adjust = 0;
global_bitopstruct.bitfieldarraysize = 16384;
global_emfloatstruct.adjust = 0;
global_emfloatstruct.arraysize = 3000;
global_fourierstruct.adjust = 0;
global_assignstruct.adjust = 0;
global_ideastruct.adjust = 0;
global_ideastruct.arraysize = 4000;
global_huffstruct.adjust = 0;
global_huffstruct.arraysize = 5000;
global_nnetstruct.adjust = 0;
global_lustruct.adjust = 0;
if (argc_9(D) == 2)
goto <bb 3>; [35.24%]
else
goto <bb 61>; [79.76%]
ENT
[79%]
[20%]
FREQ:727
<bb 61>:
goto <bb 4>; [100.00%]
FREQ:184
<bb 3>:
_1 = MEM[(char * *)argv_91(D) + 8B];
i 149 = strtol (_1, 0B, 10);
_150 = (int) _149;
testnum = _150;
[100%]
[100%]
FREQ:909
<bb 4>:
output_string ("\nBYTEmark* Native Mode Benchmark ver. 2 (10/95)\n");
output_string ("Index-split by Andrew D. Balsa (11/97)\n");
output_string ("Linux/Unix* port by Uwe F. Mayer (12/96,11/97)\n");
global_allstats.0_2 = global_allstats;
if (global_allstats.0_2 != 0)
goto <bb 5>; [33.00%]
else
goto <bb 62>; [67.00%]
[67%]
[33%]
FREQ:609
<bb 62>:
goto <bb 6>; [100.00%]
FREQ:300
<bb 5>:
output_string ("\n");
output_string ("================================ ALL STATISTICS ================================\n");
time (&time_and_date);
hectime_100 = localtime (&time_and_date);
_3 = asctime (hectime_100);
__builtin___sprintf_chk (&buffer, 1, 1024, "***Date and time of benchmark run: %s", _3);
output_string (&buffer);
__builtin___sprintf_chk (&buffer, 1, 1024, "***Sizeof: char:%u short:%u int:%u long:%u u8:%u u16:%u u32:%u int32_t:%u\n", 1, 2, 4, 8, 1, 2, 4, 4);
output_string (&buffer);
__builtin_memcpy (&buffer, "***System used for compilation:\n", 32);
output_string (&buffer);
__builtin_memcpy (&buffer, "***Linux elvenado 4.15.0-112-generic #113-Ubuntu SMP Thu Jul 9 23:41:39 UTC 2020 \n", 82);
output_string (&buffer);
__builtin_memcpy (&buffer, "***C compiler: gcc version 7.5.0 (Ubuntu 7.5.0-3ubuntu1~18.04)\n", 64);
output_string (&buffer);
__builtin_memcpy (&buffer, "***libc: libc-2.27.so\n", 22);
output_string (&buffer);
__builtin_memcpy (&buffer, "***Date of compilation: Mon 24 Aug 10:41:27 BST 2020\n", 53);
output_string (&buffer);
output_string ("==\n\n");
[100%]
[100%]
FREQ:909
<bb 6>:
output_string ("\nTEST   : Iterations/sec. : Old Index   : New Index\n");
output_string ("-   :   : Pentium 90* : AMD K6/233*\n");
output_string ("--\n");
i_113 = testnum;
retmp.54_26 = (sizetype) i_113;
[100%]
loop 2
FREQ:5151
<bb 7>:
ls_memmidex_319 = PHI <ls_memmidex_44(86), 1.0e+00(5)>
ls_intindex_317 = PHI <ls_intindex_47(86), 1.0e+00(5)>
ls_fpindex_315 = PHI <ls_fpindex_50(86), 1.0e+00(5)>
intindex_313 = PHI <intindex_53(86), 1.0e+00(5)>
fpindex_312 = PHI <fpindex_56(86), 1.0e+00(5)>
prephitmp_19 = PHI <prephitmp_23(86), (113)(5)>
iretmp.54_13 = PHI <iretmp.54_24(86), iretmp.54_26(5)>
(320 = (int) iretmp.54_13;
_17 = iretmp.54_13 * 4;
4 = MEM[symbol: tests_to_do, index: _57, offset: 0B];
if (4 != 0)
goto <bb 8>; [33.00%]
else
goto <bb 63>; [67.00%]
[33%]
[67%]
FREQ:1700
<bb 8>:
_326 = iretmp.54_13 * 8;
_5 = MEM[symbol: fnostnames, index: _326, offset: 0B];
__builtin___sprintf_chk (&buffer, 1, 1024, "%s ", _5);
__printf_chk (1, "%s", &buffer);
write_to_file.30_190 = write_to_file;
if (write_to_file.30_190 != 0)
goto <bb 9>; [36.64%]
else
goto <bb 64>; [63.36%]
[36%]
[63%]
FREQ:623
<bb 9>:
global_ofile.31_191 = global_ofile;
__builtin_fputs (&buffer, global_ofile.31_191);
FREQ:1077
<bb 64>:
goto <bb 10>; [100.00%]
[100%]
[100%]
FREQ:1700
<bb 10>:
_153 = MEM[symbol: funcpointer, index: _326, offset: 0B];
_153 ();
_6 = MEM[symbol: ls_lindex, index: _326, offset: 0B];
_7 = lmtoas_187(0) / _6;
_8 = MEM[symbol: lindex, index: _326, offset: 0B];
_9 = lmtoas_187(0) / _8;
__builtin___sprintf_chk (&buffer, 1, 1024, " %15.5g :: %9.2f :: %9.2f\n", lmtoas_187(D), _9, _7);
__printf_chk (1, "%s", &buffer);
write_to_file.30_189 = write_to_file;
if (write_to_file.30_189 != 0)
goto <bb 11>; [36.64%]
else
goto <bb 65>; [63.36%]
[36%]
[63%]
FREQ:623
<bb 11>:
global_ofile.31_192 = global_ofile;
__builtin_fputs (&buffer, global_ofile.31_192);
FREQ:1077
<bb 65>:
goto <bb 12>; [100.00%]
[100%]
[100%]
FREQ:1700
<bb 12>:
_10 = i_320 == 4;
_147 = (unsigned int) iretmp.54_13;
_133 = _147 + 4294967288;
_48 = _133 <= 1;
_134 = _10 | _48;
prestmp_12 = MEM[symbol: hindex, index: _326, offset: 0B];
prestmp_21 = MEM[symbol: ls_lindex, index: _326, offset: 0B];
if (134 != 0)
goto <bb 13>; [67.00%]
else
goto <bb 14>; [33.00%]
[33%]
FREQ:561
<bb 14>:
_18 = lmtoas_187(D) / prestmp_12;
intindex_136 = _18 * intindex_313;
if (147 > 7)
goto <bb 66>; [50.00%]
else
goto <bb 15>; [50.00%]
[50%]
[67%]
[50%]
FREQ:561
<bb 15>:
_312 = 205 >> i_320;
_324 = ~ _312;
_316 = (_Bool) _324;
if (316 != 0)
goto <bb 67>; [20.00%]
else
goto <bb 17>; [80.00%]
[20%]
[80%]
FREQ:112
<bb 67>:
FREQ:281
<bb 66>:
goto <bb 16>; [100.00%]
[100%]
[100%]
FREQ:1139
<bb 13>:
_14 = lmtoas_187(D) / prestmp_12;
fpindex_139 = _14 * fpindex_322;
_16 = lmtoas_187(D) / prestmp_21;
ls_fpindex_140 = _16 * ls_fpindex_315;
goto <bb 18>; [100.00%]
FREQ:381
<bb 17>:
_25 = lmtoas_187(D) / prestmp_21;
ls_intindex_138 = _25 * ls_intindex_317;
FREQ:280
<bb 16>:
_27 = lmtoas_187(D) / prestmp_21;
ls_memmidex_137 = _27 * ls_memmidex_319;
goto <bb 18>; [100.00%]
[100%]
[100%]
[100%]
[67%]
FREQ:1700
<bb 18>:
# ls_memmidex_43 = PHI <ls_memmidex_319(13), ls_memmidex_319(17), ls_memmidex_137(16)>
# ls_intindex_46 = PHI <ls_intindex_317(13), ls_intindex_138(17), ls_intindex_317(16)>
# ls_fpindex_49 = PHI <ls_fpindex_140(13), ls_fpindex_315(17), ls_fpindex_315(16)>
# intindex_52 = PHI <intindex_313(13), intindex_136(17), intindex_136(16)>
# fpindex_55 = PHI <fpindex_139(13), fpindex_322(17), fpindex_322(16)>
global_allstats.10_28 = global_allstats;
if (global_allstats.10_28 != 0)
goto <bb 20>; [33.00%]
else
goto <bb 19>; [67.00%]
[33%]
[67%]
FREQ:561
<bb 20>:
__builtin___sprintf_chk (&buffer, 1, 1024, " Absolute standard deviation: %g\n", lstddev_188(D));
output_string (&buffer);
if (lmtoas_187(D) > 1.0000000000000000199918998026028836196477607885341594201 8e-100)
goto <bb 21>; [33.00%]
else
goto <bb 68>; [67.00%]
[33%]
[67%]
FREQ:185
<bb 21>:
_29 = lstddev_188(D) * 1.0e+2;
_30 = _29 / lmtoas_187(D);
__builtin___sprintf_chk (&buffer, 1, 1024, " Relative standard deviation: %g %%\n", _30);
output_string (&buffer);
FREQ:376
<bb 68>:
goto <bb 22>; [100.00%]
[100%]
[100%]
FREQ:561
<bb 22>:
__builtin___sprintf_chk (&buffer, 1, 1024, " Number of runs: %lu\n", 5);
output_string (&buffer);
switch (i_320) <default: <L43> [9.09%], case 0: <L29> [9.09%], case 1: <L30> [9.09%], case 2: <L31> [9.09%], case 3: <L32> [9.09%], case 4: <L33> [9.09%], case 5: <L34> [9.09%], case 6: <L35> [9.09%], case 7: <L36> [9.09%], case 8: <L37> [9.09%], case 9: <L38> [9.09%]>
[9%]
[9%]
[9%]
[9%]
[9%]
[9%]
[9%]
[9%]
[9%]
[9%]
FREQ:51
<bb 48>:
<L36> [0.51%]:
_207 = global_huffstruct.arraysize;
__builtin___sprintf_chk (&buffer, 1, 80, " Array size: %lu\n", _207);
__printf_chk (1, "%s", &buffer);
write_to_file.30_236 = write_to_file;
if (write_to_file.30_236 != 0)
goto <bb 49>; [36.64%]
else
goto <bb 82>; [63.36%]
FREQ:51
<bb 28>:
<L30> [0.51%]:
_196 = global_strsortstruct.numarrays;
_197 = (int) _196;
__builtin___sprintf_chk (&buffer, 1, 80, " Number of arrays: %d\n", _197);
__printf_chk (1, "%s", &buffer);
write_to_file.30_216 = write_to_file;
if (write_to_file.30_216 != 0)
goto <bb 29>; [36.64%]
else
goto <bb 72>; [63.36%]
FREQ:51
<bb 32>:
<L31> [0.51%]:
_199 = global_bitopstruct.bitoparrsyze;
__builtin___sprintf_chk (&buffer, 1, 80, " Operations array size: %ld\n", _199);
__printf_chk (1, "%s", &buffer);
write_to_file.30_220 = write_to_file;
if (write_to_file.30_220 != 0)
goto <bb 33>; [36.64%]
else
goto <bb 74>; [63.36%]
FREQ:51
<bb 44>:
<L33> [0.51%]:
_205 = global_ideastruct.arraysize;
__builtin___sprintf_chk (&buffer, 1, 80, " Array size: %lu\n", _205);
__printf_chk (1, "%s", &buffer);
write_to_file.30_232 = write_to_file;
if (write_to_file.30_232 != 0)
goto <bb 45>; [36.64%]
else
goto <bb 80>; [63.36%]
FREQ:51
<bb 23>:
<L29> [0.51%]:
_193 = global_numsortstruct.numarrays;
_194 = (int) _193;
__builtin___sprintf_chk (&buffer, 1, 80, " Number of arrays: %d\n", _194);
__printf_chk (1, "%s", &buffer);
write_to_file.30_212 = write_to_file;
if (write_to_file.30_212 != 0)
goto <bb 24>; [36.64%]
else
goto <bb 70>; [63.36%]
FREQ:51
<bb 36>:
<L32> [0.51%]:
_201 = global_emfloatstruct.loops;
__builtin___sprintf_chk (&buffer, 1, 80, " Number of loops: %lu\n", _201);
__printf_chk (1, "%s", &buffer);
write_to_file.30_224 = write_to_file;
if (write_to_file.30_224 != 0)
goto <bb 37>; [36.64%]
else
goto <bb 76>; [63.36%]
[63%]
[36%]
FREQ:32
<bb 72>:
goto <bb 30>; [100.00%]
FREQ:19
<bb 29>:
global_ofile.31_217 = global_ofile;
__builtin_fputs (&buffer, global_ofile.31_217);
[63%]
[36%]
FREQ:32
<bb 74>:
goto <bb 34>; [100.00%]
FREQ:19
<bb 33>:
global_ofile.31_221 = global_ofile;
__builtin_fputs (&buffer, global_ofile.31_221);
[63%]
[36%]
FREQ:19
<bb 45>:
global_ofile.31_233 = global_ofile;
__builtin_fputs (&buffer, global_ofile.31_233);
FREQ:32
<bb 80>:
goto <bb 46>; [100.00%]
[36%]
[63%]
FREQ:32
<bb 70>:
goto <bb 25>; [100.00%]
FREQ:19
<bb 24>:
global_ofile.31_213 = global_ofile;
__builtin_fputs (&buffer, global_ofile.31_213);
[63%]
[36%]
FREQ:19
<bb 37>:
global_ofile.31_225 = global_ofile;
__builtin_fputs (&buffer, global_ofile.31_225);
FREQ:32
<bb 76>:
goto <bb 38>; [100.00%]
[36%]
[63%]
[100%]
[100%]
[100