```
<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 4>; [63.36%]
```

```
<bb 3>:
global_ofile.31_7 = global_ofile;
__builtin_fputs (buffer_3(D), global_ofile.31_7);
```

```
<bb 4>:
return;
```

```
<bb 2>:
global_min_ticks = 60;
global_min_seconds = 5;
global_allstats = 0;
global_custrun = 0;
global_align = 8;
write_to_file = 0;
mem_array_ents = 0;
```

```
<bb 3>:
# i_325 = PHI <i_148(3), 0(2)>
tests_to_do[i_325] = 1;
i_148 = i_325 + 1;
if (i_148 != 10)
  goto <bb 3>; [90.00%]
else
  goto <bb 4>; [10.00%]
```

```
<bb 4>:
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_90(D) == 2)
  goto <bb 5>; [20.24%]
else
  goto <bb 6>; [79.76%]
```

```
<bb 5>:
_1 = MEM[(char * *)argv_91(D) + 8B];
_149 = strtol (_1, 0B, 10);
_150 = (int) _149;
testnum = _150;
```

```
<bb 6>:
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 7>; [33.00%]
else
  goto <bb 8>; [67.00%]
```

```
<bb 7>:
output_string ("\n");
output_string ("============================== ALL STATISTICS ===============================\n");
time (&time_and_date);
loctime_100 = localtime (&time_and_date);
_3 = asctime (loctime_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:%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");
```

```
<bb 8>:
output_string ("\nTEST                : Iterations/sec.  : Old Index   : New Index\n");
output_string ("                    :                  : Pentium 90* : AMD K6/233*\n");
output_string ("--------------------:------------------:-------------:------------\n");
i_113 = testnum;
goto <bb 59>; [100.00%]
```

```
<bb 59>:
# i_42 = PHI <i_113(8), i_146(58)>
# lx_memindex_45 = PHI <1.0e+0(8), lx_memindex_44(58)>
# lx_intindex_48 = PHI <1.0e+0(8), lx_intindex_47(58)>
# lx_fpindex_51 = PHI <1.0e+0(8), lx_fpindex_50(58)>
# intindex_54 = PHI <1.0e+0(8), intindex_53(58)>
# fpindex_57 = PHI <1.0e+0(8), fpindex_56(58)>
testnum.16_32 = testnum;
if (testnum.16_32 >= i_42)
  goto <bb 9>; [85.00%]
else
  goto <bb 60>; [15.00%]
```