

```
mbql:      file format ss-coff-little
mbql
architecture: ss, flags 0x00000132:
EXEC_P, HAS_SYMS, HAS_LOCALS, D_PAGED
start address 0x00400140
```

Sections:

Idx	Name	Size	VMA	LMA	File off	Algn
0	.text	000058b0	00400140	00400140	00000140	2**4
	CONTENTS, ALLOC, LOAD, CODE					
1	.rdata	00000060	10000000	10000000	00006000	2**4
	CONTENTS, ALLOC, LOAD, READONLY, DATA					
2	.data	00000280	10000060	10000060	00006060	2**4
	CONTENTS, ALLOC, LOAD, DATA					
3	.sdata	00000090	100002e0	100002e0	000062e0	2**4
	CONTENTS, ALLOC, LOAD, DATA					
4	.sbss	00000080	10000370	10000370	00000000	2**4
	ALLOC					
5	.bss	00000060	100003f0	100003f0	00000000	2**4
	ALLOC					

SYMBOL TABLE:

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[ 0] e 100003b0 st 1 sc e indx 2      _bytes_used
      Type: unsigned int
[ 1] e 10000330 st 1 sc d indx 37      __morecore
      Type: ptr to func. ret.
[ 2] e 00400428 st 6 sc 1 indx 86      __main
      Local symbol: 234
[ 3] e 100003b4 st 1 sc e indx 37      __malloc_hook
      Type: ptr to func. ret.
[ 4] e 00401cd0 st 6 sc 1 indx 32      __default_morecore
      Local symbol: 1253
[ 5] e 100003f0 st 1 sc 3 indx 2e      _fraghead
      Type: array [1 {11 bits}] of struct list { ifd = 0, index = 947 }
[ 6] e 10000324 st 1 sc d indx 55      stdout
      Type: ptr to struct __stdio_file { ifd = 0, index = 836 }
[ 7] e 10000060 st 1 sc 5 indx ffffff  _fdata
[ 8] e 00404d90 st 6 sc 1 indx 6       _wordcopy_fwd_aligned
      Local symbol: 2047
[ 9] e 10000350 st 1 sc d indx 9d      __default_room_functions
      Type: struct .3fake { ifd = 0, index = 1474 }
[10] e 00400950 st 6 sc 1 indx 3       __init_misc
      Local symbol: 766
[11] e 004009e0 st 6 sc 1 indx 83      _cleanup
      Local symbol: 911
[12] e 100003b8 st 1 sc e indx 2       _chunks_free
      Type: unsigned int
[13] e 00400140 st 1 sc 1 indx ffffff  eprol
[14] e 00405770 st 1 sc 1 indx ffffff  __write
[15] e 10000390 st 1 sc e indx ffffff  errno
[16] e 004059f0 st 1 sc 1 indx ffffff  _etext
[17] e 100082e0 st 1 sc 5 indx ffffff  _gp
[18] e 004046f0 st 6 sc 1 indx ae      __stdio_write
      Local symbol: 1943
[19] e 00405870 st 1 sc 1 indx ffffff  __dup2
[20] e 00405730 st 1 sc 1 indx ffffff  __read
[21] e 10000300 st 1 sc d indx 27      __exit_funcs
      Type: ptr to struct exit_function_list { ifd = 0, index = 737 }
[22] e 00401e90 st 6 sc 1 indx 4       memcpy
      Local symbol: 1286
[23] e 00404890 st 6 sc 1 indx bd      __stdio_fileno
      Local symbol: 1958
[24] e 100003bc st 1 sc e indx 2       _heapindex
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Type: unsigned int
[ 25] e 00400ff8 st 6 sc 1 indx 4d      malloc
      Local symbol: 997
[ 26] e 00405830 st 1 sc 1 indx fffff  __open
[ 27] e 004055e0 st 6 sc 1 indx 94      __stdio_init_stream
      Local symbol: 2272
[ 28] e 100003c0 st 1 sc e indx 2       _heaplimit
      Type: unsigned int
[ 29] e 004049c8 st 6 sc 1 indx c5      __stdio_reopen
      Local symbol: 1966
[ 30] e 10000370 st 1 sc 5 indx fffff  edata
[ 31] e 004007c8 st 6 sc 1 indx 29      __new_exitfn
      Local symbol: 745
[ 32] e 004047e8 st 6 sc 1 indx b5      __stdio_seek
      Local symbol: 1950
[ 33] e 1000032c st 1 sc d indx 4f      __stdio_head
      Type: ptr to struct __stdio_file { ifd = 0, index = 836 }
[ 34] e 00400570 st 6 sc 1 indx 1       __libc_init
      Local symbol: 513
[ 35] e 00401980 st 6 sc 1 indx 3       strchr
      Local symbol: 1059
[ 36] e 100003c4 st 1 sc e indx 36      __after_morecore_hook
      Type: func. ret.
[ 37] e 10000394 st 1 sc e indx fffff  environ
[ 38] e 00405940 st 6 sc 1 indx 64      __isatty
      Local symbol: 2407
[ 39] e 10000000 st 1 sc f indx 9a      __default_io_functions
      Type: struct .2fake { ifd = 0, index = 1466 }
[ 40] e 10000450 st 1 sc 5 indx fffff  end
[ 41] e 00400140 st 1 sc 1 indx fffff  __start
[ 42] e 004046c0 st 6 sc 1 indx a9      __stdio_read
      Local symbol: 1938
[ 43] e 00400280 st 6 sc 1 indx 82      __do_global_dtors
      Local symbol: 230
[ 44] e 100002e0 st 1 sc d indx 20      _exit_dummy_ref
      Type: ptr to int
[ 45] e 100003a0 st 1 sc e indx 1a      __CTOR_LIST__
      Type: func. ret.
[ 46] e 00401cb0 st 1 sc 1 indx fffff  syscall_error
[ 47] e 004059f0 st 1 sc 1 indx fffff  etext
[ 48] e 10000320 st 1 sc d indx 52      stdin
      Type: ptr to struct __stdio_file { ifd = 0, index = 836 }
[ 49] e 00400140 st 1 sc 1 indx fffff  _ftext
[ 50] e 10000314 st 1 sc d indx 7       __progname
      Type: ptr to char
[ 51] e 004059c0 st 1 sc 1 indx fffff  __ioctl
[ 52] e 004053c0 st 6 sc 1 indx 2d      _wordcopy_bwd_dest_aligned
      Local symbol: 2086
[ 53] e 004058a0 st 1 sc 1 indx fffff  __brk
[ 54] e 100003c8 st 1 sc e indx 2b      _heapinfo
      Type: ptr to union .4fake { ifd = 0, index = 942 }
[ 55] e 10000364 st 1 sc d indx fffff  __minbrk
[ 56] e 100003cc st 1 sc e indx 3       __malloc_initialized
      Type: int
[ 57] e 00401d20 st 6 sc 1 indx 4       memset
      Local symbol: 1263
[ 58] e 004001f0 st 6 sc 1 indx 1       main
      Local symbol: 95
[ 59] e 00401a30 st 6 sc 1 indx 6c      fclose
      Local symbol: 1178
[ 60] e 100002f0 st 1 sc d indx 2       _exit_dummy_decl
      Type: int
[ 61] e 004057b0 st 1 sc 1 indx fffff  __lseek
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[ 62] e 004040b8 st 6 sc 1 indx d6      __fillbf
      Local symbol: 1639
[ 63] e 100003a8 st 1 sc e indx 20      __DTOR_LIST__
      Type: func. ret.
[ 64] e 10000340 st 1 sc d indx 28      _aligned_blocks
      Type: ptr to struct alignlist { ifd = 0, index = 1340 }
[ 65] e 100003d0 st 1 sc e indx 2       _bytes_free
      Type: unsigned int
[ 66] e 00400740 st 6 sc 1 indx 26      atexit
      Local symbol: 742
[ 67] e 00404fa0 st 6 sc 1 indx 15      _wordcopy_fwd_dest_aligned
      Local symbol: 2062
[ 68] e 10000328 st 1 sc d indx 58      stderr
      Type: ptr to struct __stdio_file { ifd = 0, index = 836 }
[ 69] e 00404648 st 6 sc 1 indx ed      __invalidate
      Local symbol: 1662
[ 70] e 004048a0 st 6 sc 1 indx c0      __stdio_open
      Local symbol: 1961
[ 71] e 00402050 st 6 sc 1 indx 32      _free_internal
      Local symbol: 1359
[ 72] e 00402c48 st 6 sc 1 indx 68      __stdio_check_offset
      Local symbol: 1529
[ 73] e 004057f0 st 1 sc 1 indx fffff  __close
[ 74] e 10000370 st 1 sc 5 indx fffff  _edata
[ 75] e 10000450 st 1 sc 5 indx fffff  _end
[ 76] e 00404860 st 6 sc 1 indx ba      __stdio_close
      Local symbol: 1955
[ 77] e 100003d4 st 1 sc e indx 2a      _heapbase
      Type: ptr to char
[ 78] e 10000360 st 1 sc d indx fffff  __curbrk
[ 79] e 004005a0 st 6 sc 1 indx a4      exit
      Local symbol: 685
[ 80] e 100003e0 st 1 sc e indx 27      __free_hook
      Type: func. ret.
[ 81] e 00405910 st 1 sc 1 indx fffff  __fstat
[ 82] e 00400a30 st 1 sc 1 indx fffff  _exit
[ 83] e 100003d8 st 1 sc e indx 2       _chunks_used
      Type: unsigned int
[ 84] e 004029a0 st 6 sc 1 indx 3       strchr
      Local symbol: 1402
[ 85] e 00404d00 st 6 sc 1 indx 1       __sbrk
      Local symbol: 2033
[ 86] e 00403b80 st 6 sc 1 indx ba      __flshfp
      Local symbol: 1611
[ 87] e 10000370 st 1 sc 5 indx fffff  _fbss
[ 88] e 004051a0 st 6 sc 1 indx 1e      _wordcopy_bwd_aligned
      Local symbol: 2071
[ 89] e 00402b40 st 6 sc 1 indx 63      __stdio_check_funcs
      Local symbol: 1524
[ 90] e 00402900 st 6 sc 1 indx 3d      free
      Local symbol: 1370
[ 91] e 00400300 st 6 sc 1 indx 84      __do_global_ctors
      Local symbol: 232
[ 92] l 00000000 st b sc 1 indx 2       /var/tmp/cca003vh.s
      End+1 symbol: 94
[ 93] l 00000000 st 8 sc 1 indx 0       /var/tmp/cca003vh.s
      First symbol: 92
[ 94] l 00000000 st b sc 1 indx 6       mbq1.c
      End+1 symbol: 100
[ 95] l 004001f0 st 6 sc 1 indx 1       main
      End+1 symbol: 97      Type: nil
[ 96] l 00000088 st 8 sc 1 indx 1       main
      First symbol: 95

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[ 97] 1 004001f0 st 5 sc 1 indx fffff gcc2_compiled.
[ 98] 1 004001f0 st 5 sc 1 indx fffff __gnu_compiled_c
[ 99] 1 00000000 st 8 sc 1 indx 0 mbq1.c
      First symbol: 94
[100] 1 00000000 st b sc 1 indx 8e ./libgcc2.c
      End+1 symbol: 242
[101] 1 00000004 st 7 sc b indx 7 cmp_type
      End+1 symbol: 107
[102] 1 00000000 st 9 sc b indx 0 CMP_SI
      Type: nil
[103] 1 00000001 st 9 sc b indx 0 CMP_SF
      Type: nil
[104] 1 00000002 st 9 sc b indx 0 CMP_DF
      Type: nil
[105] 1 00000003 st 9 sc b indx 0 CMP_MAX
      Type: nil
[106] 1 00000000 st 8 sc b indx 1
      First symbol: 101
[107] 1 00000004 st 7 sc b indx d delay_type
      End+1 symbol: 113
[108] 1 00000000 st 9 sc b indx 0 DELAY_NONE
      Type: nil
[109] 1 00000001 st 9 sc b indx 0 DELAY_LOAD
      Type: nil
[110] 1 00000002 st 9 sc b indx 0 DELAY_HILO
      Type: nil
[111] 1 00000003 st 9 sc b indx 0 DELAY_FCOMP
      Type: nil
[112] 1 00000000 st 8 sc b indx 7
      First symbol: 107
[113] 1 00000004 st 7 sc b indx 13 processor_type
      End+1 symbol: 119
[114] 1 00000000 st 9 sc b indx 0 PROCESSOR_DEFAULT
      Type: nil
[115] 1 00000001 st 9 sc b indx 0 PROCESSOR_R3000
      Type: nil
[116] 1 00000002 st 9 sc b indx 0 PROCESSOR_R6000
      Type: nil
[117] 1 00000003 st 9 sc b indx 0 PROCESSOR_R4000
      Type: nil
[118] 1 00000000 st 8 sc b indx d
      First symbol: 113
[119] 1 00000004 st 7 sc b indx 17 ss_abicalls_type
      End+1 symbol: 123
[120] 1 00000000 st 9 sc b indx 0 SS_ABICALLS_NO
      Type: nil
[121] 1 00000001 st 9 sc b indx 0 SS_ABICALLS_YES
      Type: nil
[122] 1 00000000 st 8 sc b indx 13
      First symbol: 119
[123] 1 00000004 st 7 sc b indx 1c block_move_type
      End+1 symbol: 128
[124] 1 00000000 st 9 sc b indx 0 BLOCK_MOVE_NORMAL
      Type: nil
[125] 1 00000001 st 9 sc b indx 0 BLOCK_MOVE_NOT_LAST
      Type: nil
[126] 1 00000002 st 9 sc b indx 0 BLOCK_MOVE_LAST
      Type: nil
[127] 1 00000000 st 8 sc b indx 17
      First symbol: 123
[128] 1 00000004 st 7 sc b indx 27 reg_class
      End+1 symbol: 139
[129] 1 00000000 st 9 sc b indx 0 NO_REGS

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Type: nil
[130] l 00000001 st 9 sc b indx 0 GR_REGS
Type: nil
[131] l 00000002 st 9 sc b indx 0 FP_REGS
Type: nil
[132] l 00000003 st 9 sc b indx 0 HI_REG
Type: nil
[133] l 00000004 st 9 sc b indx 0 LO_REG
Type: nil
[134] l 00000005 st 9 sc b indx 0 MD_REGS
Type: nil
[135] l 00000006 st 9 sc b indx 0 ST_REGS
Type: nil
[136] l 00000007 st 9 sc b indx 0 ALL_REGS
Type: nil
[137] l 00000008 st 9 sc b indx 0 LIM_REG_CLASSES
Type: nil
[138] l 00000000 st 8 sc b indx 1c
First symbol: 128
[139] l 0000003c st 7 sc b indx 38 ss_frame_info
End+1 symbol: 156
[140] l 00000000 st 9 sc b indx 1 total_size
Type: long
[141] l 00000020 st 9 sc b indx 1 var_size
Type: long
[142] l 00000040 st 9 sc b indx 1 args_size
Type: long
[143] l 00000060 st 9 sc b indx 1 extra_size
Type: long
[144] l 00000080 st 9 sc b indx 2 gp_reg_size
Type: int
[145] l 000000a0 st 9 sc b indx 2 fp_reg_size
Type: int
[146] l 000000c0 st 9 sc b indx 1 mask
Type: long
[147] l 000000e0 st 9 sc b indx 1 fmask
Type: long
[148] l 00000100 st 9 sc b indx 1 gp_save_offset
Type: long
[149] l 00000120 st 9 sc b indx 1 fp_save_offset
Type: long
[150] l 00000140 st 9 sc b indx 1 gp_sp_offset
Type: long
[151] l 00000160 st 9 sc b indx 1 fp_sp_offset
Type: long
[152] l 00000180 st 9 sc b indx 2 initialized
Type: int
[153] l 000001a0 st 9 sc b indx 2 num_gp
Type: int
[154] l 000001c0 st 9 sc b indx 2 num_fp
Type: int
[155] l 00000000 st 8 sc b indx 27
First symbol: 139
[156] l 00000030 st 7 sc b indx 3f ss_args
End+1 symbol: 163
[157] l 00000000 st 9 sc b indx 2 gp_reg_found
Type: int
[158] l 00000020 st 9 sc b indx 2 arg_number
Type: int
[159] l 00000040 st 9 sc b indx 2 arg_words
Type: int
[160] l 00000060 st 9 sc b indx 2 num_adjusts
Type: int

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[161] l 00000080 st 9 sc b indx 3      adjust
      Type: ptr to array [1 {7 bits}] of struct rtx_def { ifd = 0, index = 236 }
[162] l 00000000 st 8 sc b indx 38
      First symbol: 156
[163] l 00000000 st a sc b indx b      CUMULATIVE_ARGS
      Type: struct ss_args { ifd = 0, index = 156 }
[164] l 00000004 st 7 sc b indx 63      machine_mode
      End+1 symbol: 199
[165] l 00000000 st 9 sc b indx 0      VOIDmode
      Type: nil
[166] l 00000001 st 9 sc b indx 0      QImode
      Type: nil
[167] l 00000002 st 9 sc b indx 0      HImode
      Type: nil
[168] l 00000003 st 9 sc b indx 0      PSImode
      Type: nil
[169] l 00000004 st 9 sc b indx 0      SImode
      Type: nil
[170] l 00000005 st 9 sc b indx 0      PDImode
      Type: nil
[171] l 00000006 st 9 sc b indx 0      DImode
      Type: nil
[172] l 00000007 st 9 sc b indx 0      TImode
      Type: nil
[173] l 00000008 st 9 sc b indx 0      OImode
      Type: nil
[174] l 00000009 st 9 sc b indx 0      QFmode
      Type: nil
[175] l 0000000a st 9 sc b indx 0      HFmode
      Type: nil
[176] l 0000000b st 9 sc b indx 0      TQFmode
      Type: nil
[177] l 0000000c st 9 sc b indx 0      SFmode
      Type: nil
[178] l 0000000d st 9 sc b indx 0      DFmode
      Type: nil
[179] l 0000000e st 9 sc b indx 0      XFmode
      Type: nil
[180] l 0000000f st 9 sc b indx 0      TFmode
      Type: nil
[181] l 00000010 st 9 sc b indx 0      SCmode
      Type: nil
[182] l 00000011 st 9 sc b indx 0      DCmode
      Type: nil
[183] l 00000012 st 9 sc b indx 0      XCmode
      Type: nil
[184] l 00000013 st 9 sc b indx 0      TCmode
      Type: nil
[185] l 00000014 st 9 sc b indx 0      CQImode
      Type: nil
[186] l 00000015 st 9 sc b indx 0      CHImode
      Type: nil
[187] l 00000016 st 9 sc b indx 0      CSImode
      Type: nil
[188] l 00000017 st 9 sc b indx 0      CDImode
      Type: nil
[189] l 00000018 st 9 sc b indx 0      CTImode
      Type: nil
[190] l 00000019 st 9 sc b indx 0      COImode
      Type: nil
[191] l 0000001a st 9 sc b indx 0      BLKmode
      Type: nil
[192] l 0000001b st 9 sc b indx 0      CCmode
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Type: nil
[193] l 0000001c st 9 sc b indx 0 CC_EQmode
Type: nil
[194] l 0000001d st 9 sc b indx 0 CC_FPmode
Type: nil
[195] l 0000001e st 9 sc b indx 0 CC_0mode
Type: nil
[196] l 0000001f st 9 sc b indx 0 CC_REV_FPmode
Type: nil
[197] l 00000020 st 9 sc b indx 0 MAX_MACHINE_MODE
Type: nil
[198] l 00000000 st 8 sc b indx 40
First symbol: 164
[199] l 00000004 st 7 sc b indx 6d mode_class
End+1 symbol: 209
[200] l 00000000 st 9 sc b indx 0 MODE_RANDOM
Type: nil
[201] l 00000001 st 9 sc b indx 0 MODE_INT
Type: nil
[202] l 00000002 st 9 sc b indx 0 MODE_FLOAT
Type: nil
[203] l 00000003 st 9 sc b indx 0 MODE_PARTIAL_INT
Type: nil
[204] l 00000004 st 9 sc b indx 0 MODE_CC
Type: nil
[205] l 00000005 st 9 sc b indx 0 MODE_COMPLEX_INT
Type: nil
[206] l 00000006 st 9 sc b indx 0 MODE_COMPLEX_FLOAT
Type: nil
[207] l 00000007 st 9 sc b indx 0 MAX_MODE_CLASS
Type: nil
[208] l 00000000 st 8 sc b indx 63
First symbol: 199
[209] l 00000000 st a sc b indx 2 ptrdiff_t
Type: int
[210] l 00000000 st a sc b indx e size_t
Type: unsigned int
[211] l 00000000 st a sc b indx 2 wchar_t
Type: int
[212] l 00000000 st a sc b indx f UQItype
Type: unsigned char
[213] l 00000000 st a sc b indx 2 SItype
Type: int
[214] l 00000000 st a sc b indx e USItype
Type: unsigned int
[215] l 00000000 st a sc b indx 1 DItype
Type: long
[216] l 00000000 st a sc b indx 10 UDItype
Type: unsigned long
[217] l 00000000 st a sc b indx 11 SFtype
Type: float
[218] l 00000000 st a sc b indx 12 DFtype
Type: double
[219] l 00000000 st a sc b indx 2 word_type
Type: int
[220] l 00000008 st 7 sc b indx 7c DIstruct
End+1 symbol: 224
[221] l 00000000 st 9 sc b indx 2 low
Type: int
[222] l 00000020 st 9 sc b indx 2 high
Type: int
[223] l 00000000 st 8 sc b indx 78
First symbol: 220

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[224] l 00000008 st 7 sc b indx 80      .ofake
      End+1 symbol: 228
[225] l 00000000 st 9 sc b indx 13      s
      Type: struct DIstruct { ifd = 0, index = 220 }
[226] l 00000000 st 9 sc b indx 1      ll
      Type: long
[227] l 00000000 st 8 sc b indx 7c
      First symbol: 224
[228] l 00000000 st a sc b indx 16      DIunion
      Type: union .ofake { ifd = 0, index = 224 }
[229] l 00000000 st a sc b indx 19      func_ptr
      Type: func. ret.
[230] l 00400280 st 6 sc 1 indx 1a      __do_global_dtors
      End+1 symbol: 232      Type: nil
[231] l 00000080 st 8 sc 1 indx 82      __do_global_dtors
      First symbol: 230
[232] l 00400300 st 6 sc 1 indx 1c      __do_global_ctors
      End+1 symbol: 234      Type: nil
[233] l 00000128 st 8 sc 1 indx 84      __do_global_ctors
      First symbol: 232
[234] l 00400428 st 6 sc 1 indx 1e      __main
      End+1 symbol: 236      Type: nil
[235] l 00000140 st 8 sc 1 indx 86      __main
      First symbol: 234
[236] l 00000000 st 7 sc b indx 8a      rtx_def
      End+1 symbol: 238
[237] l 00000000 st 8 sc b indx 88      rtx_def
      First symbol: 236
[238] l 00400280 st 5 sc 1 indx fffff      gcc2_compiled.
[239] l 00400280 st 5 sc 1 indx fffff      __gnu_compiled_c
[240] l 10000370 st 2 sc e indx fffff      initialized.6
[241] l 00000000 st 8 sc 1 indx 0      ./libgcc2.c
      First symbol: 100
[242] l 00000000 st b sc 1 indx 87      ./libgcc2.c
      End+1 symbol: 377
[243] l 00000004 st 7 sc b indx 7      cmp_type
      End+1 symbol: 249
[244] l 00000000 st 9 sc b indx 0      CMP_SI
      Type: nil
[245] l 00000001 st 9 sc b indx 0      CMP_SF
      Type: nil
[246] l 00000002 st 9 sc b indx 0      CMP_DF
      Type: nil
[247] l 00000003 st 9 sc b indx 0      CMP_MAX
      Type: nil
[248] l 00000000 st 8 sc b indx 1
      First symbol: 243
[249] l 00000004 st 7 sc b indx d      delay_type
      End+1 symbol: 255
[250] l 00000000 st 9 sc b indx 0      DELAY_NONE
      Type: nil
[251] l 00000001 st 9 sc b indx 0      DELAY_LOAD
      Type: nil
[252] l 00000002 st 9 sc b indx 0      DELAY_HILO
      Type: nil
[253] l 00000003 st 9 sc b indx 0      DELAY_FCOMP
      Type: nil
[254] l 00000000 st 8 sc b indx 7
      First symbol: 249
[255] l 00000004 st 7 sc b indx 13      processor_type
      End+1 symbol: 261
[256] l 00000000 st 9 sc b indx 0      PROCESSOR_DEFAULT
      Type: nil
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[257] 1 00000001 st 9 sc b indx 0      PROCESSOR_R3000
Type: nil
[258] 1 00000002 st 9 sc b indx 0      PROCESSOR_R6000
Type: nil
[259] 1 00000003 st 9 sc b indx 0      PROCESSOR_R4000
Type: nil
[260] 1 00000000 st 8 sc b indx d
First symbol: 255
[261] 1 00000004 st 7 sc b indx 17      ss_abicalls_type
End+1 symbol: 265
[262] 1 00000000 st 9 sc b indx 0      SS_ABICALLS_NO
Type: nil
[263] 1 00000001 st 9 sc b indx 0      SS_ABICALLS_YES
Type: nil
[264] 1 00000000 st 8 sc b indx 13
First symbol: 261
[265] 1 00000004 st 7 sc b indx 1c      block_move_type
End+1 symbol: 270
[266] 1 00000000 st 9 sc b indx 0      BLOCK_MOVE_NORMAL
Type: nil
[267] 1 00000001 st 9 sc b indx 0      BLOCK_MOVE_NOT_LAST
Type: nil
[268] 1 00000002 st 9 sc b indx 0      BLOCK_MOVE_LAST
Type: nil
[269] 1 00000000 st 8 sc b indx 17
First symbol: 265
[270] 1 00000004 st 7 sc b indx 27      reg_class
End+1 symbol: 281
[271] 1 00000000 st 9 sc b indx 0      NO_REGS
Type: nil
[272] 1 00000001 st 9 sc b indx 0      GR_REGS
Type: nil
[273] 1 00000002 st 9 sc b indx 0      FP_REGS
Type: nil
[274] 1 00000003 st 9 sc b indx 0      HI_REG
Type: nil
[275] 1 00000004 st 9 sc b indx 0      LO_REG
Type: nil
[276] 1 00000005 st 9 sc b indx 0      MD_REGS
Type: nil
[277] 1 00000006 st 9 sc b indx 0      ST_REGS
Type: nil
[278] 1 00000007 st 9 sc b indx 0      ALL_REGS
Type: nil
[279] 1 00000008 st 9 sc b indx 0      LIM_REG_CLASSES
Type: nil
[280] 1 00000000 st 8 sc b indx 1c
First symbol: 270
[281] 1 0000003c st 7 sc b indx 38      ss_frame_info
End+1 symbol: 298
[282] 1 00000000 st 9 sc b indx 1      total_size
Type: long
[283] 1 00000020 st 9 sc b indx 1      var_size
Type: long
[284] 1 00000040 st 9 sc b indx 1      args_size
Type: long
[285] 1 00000060 st 9 sc b indx 1      extra_size
Type: long
[286] 1 00000080 st 9 sc b indx 2      gp_reg_size
Type: int
[287] 1 000000a0 st 9 sc b indx 2      fp_reg_size
Type: int
[288] 1 000000c0 st 9 sc b indx 1      mask

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Type: long
[289] l 000000e0 st 9 sc b indx 1 fmask
Type: long
[290] l 00000100 st 9 sc b indx 1 gp_save_offset
Type: long
[291] l 00000120 st 9 sc b indx 1 fp_save_offset
Type: long
[292] l 00000140 st 9 sc b indx 1 gp_sp_offset
Type: long
[293] l 00000160 st 9 sc b indx 1 fp_sp_offset
Type: long
[294] l 00000180 st 9 sc b indx 2 initialized
Type: int
[295] l 000001a0 st 9 sc b indx 2 num_gp
Type: int
[296] l 000001c0 st 9 sc b indx 2 num_fp
Type: int
[297] l 00000000 st 8 sc b indx 27
First symbol: 281
[298] l 00000030 st 7 sc b indx 3f ss_args
End+1 symbol: 305
[299] l 00000000 st 9 sc b indx 2 gp_reg_found
Type: int
[300] l 00000020 st 9 sc b indx 2 arg_number
Type: int
[301] l 00000040 st 9 sc b indx 2 arg_words
Type: int
[302] l 00000060 st 9 sc b indx 2 num_adjusts
Type: int
[303] l 00000080 st 9 sc b indx 3 adjust
Type: ptr to array [1 {7 bits}] of struct rtx_def { ifd = 0, index = 372 }
[304] l 00000000 st 8 sc b indx 38
First symbol: 298
[305] l 00000000 st a sc b indx b CUMULATIVE_ARGS
Type: struct ss_args { ifd = 0, index = 298 }
[306] l 00000004 st 7 sc b indx 63 machine_mode
End+1 symbol: 341
[307] l 00000000 st 9 sc b indx 0 VOIDmode
Type: nil
[308] l 00000001 st 9 sc b indx 0 QImode
Type: nil
[309] l 00000002 st 9 sc b indx 0 HImode
Type: nil
[310] l 00000003 st 9 sc b indx 0 PSImode
Type: nil
[311] l 00000004 st 9 sc b indx 0 SImode
Type: nil
[312] l 00000005 st 9 sc b indx 0 PDImode
Type: nil
[313] l 00000006 st 9 sc b indx 0 DImode
Type: nil
[314] l 00000007 st 9 sc b indx 0 TImode
Type: nil
[315] l 00000008 st 9 sc b indx 0 OImode
Type: nil
[316] l 00000009 st 9 sc b indx 0 QFmode
Type: nil
[317] l 0000000a st 9 sc b indx 0 HFmode
Type: nil
[318] l 0000000b st 9 sc b indx 0 TQFmode
Type: nil
[319] l 0000000c st 9 sc b indx 0 SFmode
Type: nil

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```

[320] l 0000000d st 9 sc b indx 0 DFmode
Type: nil
[321] l 0000000e st 9 sc b indx 0 XFmode
Type: nil
[322] l 0000000f st 9 sc b indx 0 TFmode
Type: nil
[323] l 00000010 st 9 sc b indx 0 SCmode
Type: nil
[324] l 00000011 st 9 sc b indx 0 DCmode
Type: nil
[325] l 00000012 st 9 sc b indx 0 XCmode
Type: nil
[326] l 00000013 st 9 sc b indx 0 TCmode
Type: nil
[327] l 00000014 st 9 sc b indx 0 CQImode
Type: nil
[328] l 00000015 st 9 sc b indx 0 CHImode
Type: nil
[329] l 00000016 st 9 sc b indx 0 CSImode
Type: nil
[330] l 00000017 st 9 sc b indx 0 CDImode
Type: nil
[331] l 00000018 st 9 sc b indx 0 CTImode
Type: nil
[332] l 00000019 st 9 sc b indx 0 COImode
Type: nil
[333] l 0000001a st 9 sc b indx 0 BLKmode
Type: nil
[334] l 0000001b st 9 sc b indx 0 CCmode
Type: nil
[335] l 0000001c st 9 sc b indx 0 CC_EQmode
Type: nil
[336] l 0000001d st 9 sc b indx 0 CC_FPmode
Type: nil
[337] l 0000001e st 9 sc b indx 0 CC_0mode
Type: nil
[338] l 0000001f st 9 sc b indx 0 CC_REV_FPmode
Type: nil
[339] l 00000020 st 9 sc b indx 0 MAX_MACHINE_MODE
Type: nil
[340] l 00000000 st 8 sc b indx 40
First symbol: 306
[341] l 00000004 st 7 sc b indx 6d mode_class
End+1 symbol: 351
[342] l 00000000 st 9 sc b indx 0 MODE_RANDOM
Type: nil
[343] l 00000001 st 9 sc b indx 0 MODE_INT
Type: nil
[344] l 00000002 st 9 sc b indx 0 MODE_FLOAT
Type: nil
[345] l 00000003 st 9 sc b indx 0 MODE_PARTIAL_INT
Type: nil
[346] l 00000004 st 9 sc b indx 0 MODE_CC
Type: nil
[347] l 00000005 st 9 sc b indx 0 MODE_COMPLEX_INT
Type: nil
[348] l 00000006 st 9 sc b indx 0 MODE_COMPLEX_FLOAT
Type: nil
[349] l 00000007 st 9 sc b indx 0 MAX_MODE_CLASS
Type: nil
[350] l 00000000 st 8 sc b indx 63
First symbol: 341
[351] l 00000000 st a sc b indx 2 ptrdiff_t

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```

Type: int
[352] l 00000000 st a sc b indx e      size_t
Type: unsigned int
[353] l 00000000 st a sc b indx 2      wchar_t
Type: int
[354] l 00000000 st a sc b indx f      UQItyp
Type: unsigned char
[355] l 00000000 st a sc b indx 2      SItyp
Type: int
[356] l 00000000 st a sc b indx e      USItyp
Type: unsigned int
[357] l 00000000 st a sc b indx 1      DItyp
Type: long
[358] l 00000000 st a sc b indx 10     UDItyp
Type: unsigned long
[359] l 00000000 st a sc b indx 11     SFtyp
Type: float
[360] l 00000000 st a sc b indx 12     DFtyp
Type: double
[361] l 00000000 st a sc b indx 2      word_type
Type: int
[362] l 00000008 st 7 sc b indx 7c     DIstruct
End+1 symbol: 366
[363] l 00000000 st 9 sc b indx 2      low
Type: int
[364] l 00000020 st 9 sc b indx 2      high
Type: int
[365] l 00000000 st 8 sc b indx 78
First symbol: 362
[366] l 00000008 st 7 sc b indx 80     .Ofake
End+1 symbol: 370
[367] l 00000000 st 9 sc b indx 13     s
Type: struct DIstruct { ifd = 0, index = 362 }
[368] l 00000000 st 9 sc b indx 1      ll
Type: long
[369] l 00000000 st 8 sc b indx 7c
First symbol: 366
[370] l 00000000 st a sc b indx 16     DIunion
Type: union .Ofake { ifd = 0, index = 366 }
[371] l 00000000 st a sc b indx 19     func_ptr
Type: func. ret.
[372] l 00000000 st 7 sc b indx 84     rtx_def
End+1 symbol: 374
[373] l 00000000 st 8 sc b indx 82     rtx_def
First symbol: 372
[374] l 00400570 st 5 sc 1 indx fffff gcc2_compiled.
[375] l 00400570 st 5 sc 1 indx fffff __gnu_compiled_c
[376] l 00000000 st 8 sc 1 indx 0      ./libgcc2.c
First symbol: 242
[377] l 00000000 st b sc 1 indx 87     ./libgcc2.c
End+1 symbol: 512
[378] l 00000004 st 7 sc b indx 7      cmp_type
End+1 symbol: 384
[379] l 00000000 st 9 sc b indx 0      CMP_SI
Type: nil
[380] l 00000001 st 9 sc b indx 0      CMP_SF
Type: nil
[381] l 00000002 st 9 sc b indx 0      CMP_DF
Type: nil
[382] l 00000003 st 9 sc b indx 0      CMP_MAX
Type: nil
[383] l 00000000 st 8 sc b indx 1
First symbol: 378

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```

[384] l 00000004 st 7 sc b indx d      delay_type
      End+1 symbol: 390
[385] l 00000000 st 9 sc b indx 0      DELAY_NONE
      Type: nil
[386] l 00000001 st 9 sc b indx 0      DELAY_LOAD
      Type: nil
[387] l 00000002 st 9 sc b indx 0      DELAY_HILO
      Type: nil
[388] l 00000003 st 9 sc b indx 0      DELAY_FCMP
      Type: nil
[389] l 00000000 st 8 sc b indx 7
      First symbol: 384
[390] l 00000004 st 7 sc b indx 13      processor_type
      End+1 symbol: 396
[391] l 00000000 st 9 sc b indx 0      PROCESSOR_DEFAULT
      Type: nil
[392] l 00000001 st 9 sc b indx 0      PROCESSOR_R3000
      Type: nil
[393] l 00000002 st 9 sc b indx 0      PROCESSOR_R6000
      Type: nil
[394] l 00000003 st 9 sc b indx 0      PROCESSOR_R4000
      Type: nil
[395] l 00000000 st 8 sc b indx d
      First symbol: 390
[396] l 00000004 st 7 sc b indx 17      ss_abicalls_type
      End+1 symbol: 400
[397] l 00000000 st 9 sc b indx 0      SS_ABICALLS_NO
      Type: nil
[398] l 00000001 st 9 sc b indx 0      SS_ABICALLS_YES
      Type: nil
[399] l 00000000 st 8 sc b indx 13
      First symbol: 396
[400] l 00000004 st 7 sc b indx 1c      block_move_type
      End+1 symbol: 405
[401] l 00000000 st 9 sc b indx 0      BLOCK_MOVE_NORMAL
      Type: nil
[402] l 00000001 st 9 sc b indx 0      BLOCK_MOVE_NOT_LAST
      Type: nil
[403] l 00000002 st 9 sc b indx 0      BLOCK_MOVE_LAST
      Type: nil
[404] l 00000000 st 8 sc b indx 17
      First symbol: 400
[405] l 00000004 st 7 sc b indx 27      reg_class
      End+1 symbol: 416
[406] l 00000000 st 9 sc b indx 0      NO_REGS
      Type: nil
[407] l 00000001 st 9 sc b indx 0      GR_REGS
      Type: nil
[408] l 00000002 st 9 sc b indx 0      FP_REGS
      Type: nil
[409] l 00000003 st 9 sc b indx 0      HI_REG
      Type: nil
[410] l 00000004 st 9 sc b indx 0      LO_REG
      Type: nil
[411] l 00000005 st 9 sc b indx 0      MD_REGS
      Type: nil
[412] l 00000006 st 9 sc b indx 0      ST_REGS
      Type: nil
[413] l 00000007 st 9 sc b indx 0      ALL_REGS
      Type: nil
[414] l 00000008 st 9 sc b indx 0      LIM_REG_CLASSES
      Type: nil
[415] l 00000000 st 8 sc b indx 1c

```

```

First symbol: 405
[416] l 0000003c st 7 sc b indx 38      ss_frame_info
End+1 symbol: 433
[417] l 00000000 st 9 sc b indx 1      total_size
Type: long
[418] l 00000020 st 9 sc b indx 1      var_size
Type: long
[419] l 00000040 st 9 sc b indx 1      args_size
Type: long
[420] l 00000060 st 9 sc b indx 1      extra_size
Type: long
[421] l 00000080 st 9 sc b indx 2      gp_reg_size
Type: int
[422] l 000000a0 st 9 sc b indx 2      fp_reg_size
Type: int
[423] l 000000c0 st 9 sc b indx 1      mask
Type: long
[424] l 000000e0 st 9 sc b indx 1      fmask
Type: long
[425] l 00000100 st 9 sc b indx 1      gp_save_offset
Type: long
[426] l 00000120 st 9 sc b indx 1      fp_save_offset
Type: long
[427] l 00000140 st 9 sc b indx 1      gp_sp_offset
Type: long
[428] l 00000160 st 9 sc b indx 1      fp_sp_offset
Type: long
[429] l 00000180 st 9 sc b indx 2      initialized
Type: int
[430] l 000001a0 st 9 sc b indx 2      num_gp
Type: int
[431] l 000001c0 st 9 sc b indx 2      num_fp
Type: int
[432] l 00000000 st 8 sc b indx 27
First symbol: 416
[433] l 00000030 st 7 sc b indx 3f      ss_args
End+1 symbol: 440
[434] l 00000000 st 9 sc b indx 2      gp_reg_found
Type: int
[435] l 00000020 st 9 sc b indx 2      arg_number
Type: int
[436] l 00000040 st 9 sc b indx 2      arg_words
Type: int
[437] l 00000060 st 9 sc b indx 2      num_adjusts
Type: int
[438] l 00000080 st 9 sc b indx 3      adjust
Type: ptr to array [1 {7 bits}] of struct rtx_def { ifd = 0, index = 507 }
[439] l 00000000 st 8 sc b indx 38
First symbol: 433
[440] l 00000000 st a sc b indx b      CUMULATIVE_ARGS
Type: struct ss_args { ifd = 0, index = 433 }
[441] l 00000004 st 7 sc b indx 63      machine_mode
End+1 symbol: 476
[442] l 00000000 st 9 sc b indx 0      VOIDmode
Type: nil
[443] l 00000001 st 9 sc b indx 0      QImode
Type: nil
[444] l 00000002 st 9 sc b indx 0      HImode
Type: nil
[445] l 00000003 st 9 sc b indx 0      PSImode
Type: nil
[446] l 00000004 st 9 sc b indx 0      SImode
Type: nil

```

```

[447] l 00000005 st 9 sc b indx 0      PDImode
      Type: nil
[448] l 00000006 st 9 sc b indx 0      DImode
      Type: nil
[449] l 00000007 st 9 sc b indx 0      TImode
      Type: nil
[450] l 00000008 st 9 sc b indx 0      OImode
      Type: nil
[451] l 00000009 st 9 sc b indx 0      QFmode
      Type: nil
[452] l 0000000a st 9 sc b indx 0      HFmode
      Type: nil
[453] l 0000000b st 9 sc b indx 0      TQFmode
      Type: nil
[454] l 0000000c st 9 sc b indx 0      SFmode
      Type: nil
[455] l 0000000d st 9 sc b indx 0      DFmode
      Type: nil
[456] l 0000000e st 9 sc b indx 0      XFmode
      Type: nil
[457] l 0000000f st 9 sc b indx 0      TFmode
      Type: nil
[458] l 00000010 st 9 sc b indx 0      SCmode
      Type: nil
[459] l 00000011 st 9 sc b indx 0      DCmode
      Type: nil
[460] l 00000012 st 9 sc b indx 0      XCmode
      Type: nil
[461] l 00000013 st 9 sc b indx 0      TCmode
      Type: nil
[462] l 00000014 st 9 sc b indx 0      CQImode
      Type: nil
[463] l 00000015 st 9 sc b indx 0      CHImode
      Type: nil
[464] l 00000016 st 9 sc b indx 0      CSImode
      Type: nil
[465] l 00000017 st 9 sc b indx 0      CDImode
      Type: nil
[466] l 00000018 st 9 sc b indx 0      CTImode
      Type: nil
[467] l 00000019 st 9 sc b indx 0      COImode
      Type: nil
[468] l 0000001a st 9 sc b indx 0      BLKmode
      Type: nil
[469] l 0000001b st 9 sc b indx 0      CCmode
      Type: nil
[470] l 0000001c st 9 sc b indx 0      CC_EQmode
      Type: nil
[471] l 0000001d st 9 sc b indx 0      CC_FPmode
      Type: nil
[472] l 0000001e st 9 sc b indx 0      CC_0mode
      Type: nil
[473] l 0000001f st 9 sc b indx 0      CC_REV_FPmode
      Type: nil
[474] l 00000020 st 9 sc b indx 0      MAX_MACHINE_MODE
      Type: nil
[475] l 00000000 st 8 sc b indx 40
      First symbol: 441
[476] l 00000004 st 7 sc b indx 6d      mode_class
      End+1 symbol: 486
[477] l 00000000 st 9 sc b indx 0      MODE_RANDOM
      Type: nil
[478] l 00000001 st 9 sc b indx 0      MODE_INT

```

```

Type: nil
[479] l 00000002 st 9 sc b indx 0      MODE_FLOAT
Type: nil
[480] l 00000003 st 9 sc b indx 0      MODE_PARTIAL_INT
Type: nil
[481] l 00000004 st 9 sc b indx 0      MODE_CC
Type: nil
[482] l 00000005 st 9 sc b indx 0      MODE_COMPLEX_INT
Type: nil
[483] l 00000006 st 9 sc b indx 0      MODE_COMPLEX_FLOAT
Type: nil
[484] l 00000007 st 9 sc b indx 0      MAX_MODE_CLASS
Type: nil
[485] l 00000000 st 8 sc b indx 63
First symbol: 476
[486] l 00000000 st a sc b indx 2      ptrdiff_t
Type: int
[487] l 00000000 st a sc b indx e      size_t
Type: unsigned int
[488] l 00000000 st a sc b indx 2      wchar_t
Type: int
[489] l 00000000 st a sc b indx f      UQItype
Type: unsigned char
[490] l 00000000 st a sc b indx 2      SItype
Type: int
[491] l 00000000 st a sc b indx e      USItype
Type: unsigned int
[492] l 00000000 st a sc b indx 1      DItype
Type: long
[493] l 00000000 st a sc b indx 10     UDIttype
Type: unsigned long
[494] l 00000000 st a sc b indx 11     SFtype
Type: float
[495] l 00000000 st a sc b indx 12     DFtype
Type: double
[496] l 00000000 st a sc b indx 2      word_type
Type: int
[497] l 00000008 st 7 sc b indx 7c     DIstruct
End+1 symbol: 501
[498] l 00000000 st 9 sc b indx 2      low
Type: int
[499] l 00000020 st 9 sc b indx 2      high
Type: int
[500] l 00000000 st 8 sc b indx 78
First symbol: 497
[501] l 00000008 st 7 sc b indx 80     .Ofake
End+1 symbol: 505
[502] l 00000000 st 9 sc b indx 13     s
Type: struct DIstruct { ifd = 0, index = 497 }
[503] l 00000000 st 9 sc b indx 1      ll
Type: long
[504] l 00000000 st 8 sc b indx 7c
First symbol: 501
[505] l 00000000 st a sc b indx 16     DIunion
Type: union .Ofake { ifd = 0, index = 501 }
[506] l 00000000 st a sc b indx 19     func_ptr
Type: func. ret.
[507] l 00000000 st 7 sc b indx 84     rtx_def
End+1 symbol: 509
[508] l 00000000 st 8 sc b indx 82     rtx_def
First symbol: 507
[509] l 00400570 st 5 sc 1 indx fffff   gcc2_compiled.
[510] l 00400570 st 5 sc 1 indx fffff   __gnu_compiled_c

```



```

[511] 1 00000000 st 8 sc 1 indx 0      ./libgcc2.c
      First symbol: 377
[512] 1 00000000 st b sc 1 indx 9      munch-init.c
      End+1 symbol: 521
[513] 1 00400570 st 6 sc 1 indx 3      __libc_init
      End+1 symbol: 518      Type: int
[514] 1 00000004 st 3 sc 4 indx 1      argc
      Type: int
[515] 1 00000005 st 3 sc 4 indx 2      argv
      Type: ptr to ptr to char
[516] 1 00000006 st 3 sc 4 indx 2      envp
      Type: ptr to ptr to char
[517] 1 00000030 st 8 sc 1 indx 1      __libc_init
      First symbol: 513
[518] 1 00400570 st 5 sc 1 indx fffff gcc2_compiled.
[519] 1 00400570 st 5 sc 1 indx fffff __gnu_compiled_c
[520] 1 00000000 st 8 sc 1 indx 0      munch-init.c
      First symbol: 512
[521] 1 00000000 st b sc 1 indx b7      exit.c
      End+1 symbol: 704
[522] 1 00000000 st a sc b indx 1      __long_double_t
      Type: double
[523] 1 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[524] 1 00000000 st a sc b indx 3      __gnuc_va_list
      Type: ptr to char
[525] 1 00000000 st a sc b indx 4      __u_char
      Type: unsigned char
[526] 1 00000000 st a sc b indx 5      __u_short
      Type: unsigned short
[527] 1 00000000 st a sc b indx 2      __u_int
      Type: unsigned int
[528] 1 00000000 st a sc b indx 6      __u_long
      Type: unsigned long
[529] 1 00000000 st a sc b indx 0      __u_quad_t
      Type: nil
[530] 1 00000000 st a sc b indx 0      __quad_t
      Type: nil
[531] 1 00000000 st a sc b indx 7      __qaddr_t
      Type: ptr to nil
[532] 1 00000000 st a sc b indx 8      __dev_t
      Type: int
[533] 1 00000000 st a sc b indx 2      __uid_t
      Type: unsigned int
[534] 1 00000000 st a sc b indx 2      __gid_t
      Type: unsigned int
[535] 1 00000000 st a sc b indx 2      __ino_t
      Type: unsigned int
[536] 1 00000000 st a sc b indx 2      __mode_t
      Type: unsigned int
[537] 1 00000000 st a sc b indx 5      __nlink_t
      Type: unsigned short
[538] 1 00000000 st a sc b indx 9      __off_t
      Type: long
[539] 1 00000000 st a sc b indx 8      __pid_t
      Type: int
[540] 1 00000000 st a sc b indx 8      __ssize_t
      Type: int
[541] 1 00000000 st a sc b indx 0      __fsid_t
      Type: nil
[542] 1 00000000 st a sc b indx 9      __daddr_t
      Type: long
[543] 1 00000000 st a sc b indx 3      __caddr_t

```

```

Type: ptr to char
[544] l 00000000 st a sc b indx 9      __time_t
Type: long
[545] l 00000000 st a sc b indx 9      __swblk_t
Type: long
[546] l 00000020 st 7 sc b indx 1c      .0fake
End+1 symbol: 549
[547] l 00000000 st 9 sc b indx a      fds_bits
Type: array [8 {32 bits}] of unsigned long
[548] l 00000000 st 8 sc b indx 19
First symbol: 546
[549] l 00000000 st a sc b indx 10      __fd_set
Type: struct .0fake { ifd = 0, index = 546 }
[550] l 00000000 st a sc b indx 13      FILE
Type: struct __stdio_file { ifd = 0, index = 575 }
[551] l 00000000 st a sc b indx 9      fpos_t
Type: long
[552] l 00000004 st 7 sc b indx 28      .1fake
End+1 symbol: 561
[553] l 00000000 st 9 sc 8 indx 16      __read
Type: unsigned int : 1
[554] l 00000001 st 9 sc 8 indx 18      __write
Type: unsigned int : 1
[555] l 00000002 st 9 sc 8 indx 1a      __append
Type: unsigned int : 1
[556] l 00000003 st 9 sc 8 indx 1c      __binary
Type: unsigned int : 1
[557] l 00000004 st 9 sc 8 indx 1e      __create
Type: unsigned int : 1
[558] l 00000005 st 9 sc 8 indx 20      __exclusive
Type: unsigned int : 1
[559] l 00000006 st 9 sc 8 indx 22      __truncate
Type: unsigned int : 1
[560] l 00000000 st 8 sc b indx 1f
First symbol: 552
[561] l 00000000 st a sc b indx 24      __io_mode
Type: struct .1fake { ifd = 0, index = 552 }
[562] l 00000014 st 7 sc b indx 30      .2fake
End+1 symbol: 569
[563] l 00000000 st 9 sc b indx 27      __read
Type: func. ret.
[564] l 00000020 st 9 sc b indx 27      __write
Type: func. ret.
[565] l 00000040 st 9 sc b indx 27      __seek
Type: func. ret.
[566] l 00000060 st 9 sc b indx 27      __close
Type: func. ret.
[567] l 00000080 st 9 sc b indx 27      __fileno
Type: func. ret.
[568] l 00000000 st 8 sc b indx 29
First symbol: 562
[569] l 00000000 st a sc b indx 28      __io_functions
Type: struct .2fake { ifd = 0, index = 562 }
[570] l 00000008 st 7 sc b indx 35      .3fake
End+1 symbol: 574
[571] l 00000000 st 9 sc b indx 27      __input
Type: func. ret.
[572] l 00000020 st 9 sc b indx 27      __output
Type: func. ret.
[573] l 00000000 st 8 sc b indx 31
First symbol: 570
[574] l 00000000 st a sc b indx 2b      __room_functions
Type: struct .3fake { ifd = 0, index = 570 }

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```
[575] l 00000050 st 7 sc b indx 4f    __stdio_file
      End+1 symbol: 600
[576] l 00000000 st 9 sc b indx 8      __magic
      Type: int
[577] l 00000020 st 9 sc b indx 3      __bufp
      Type: ptr to char
[578] l 00000040 st 9 sc b indx 3      __get_limit
      Type: ptr to char
[579] l 00000060 st 9 sc b indx 3      __put_limit
      Type: ptr to char
[580] l 00000080 st 9 sc b indx 3      __buffer
      Type: ptr to char
[581] l 000000a0 st 9 sc b indx 2      __bufsize
      Type: unsigned int
[582] l 000000c0 st 9 sc b indx 2e     __cookie
      Type: ptr to int
[583] l 000000e0 st 9 sc b indx 2f     __mode
      Type: struct .1fake { ifd = 0, index = 552 }
[584] l 00000100 st 9 sc b indx 32     __io_funcs
      Type: struct .2fake { ifd = 0, index = 562 }
[585] l 000001a0 st 9 sc b indx 35     __room_funcs
      Type: struct .3fake { ifd = 0, index = 570 }
[586] l 000001e0 st 9 sc b indx 9      __offset
      Type: long
[587] l 00000200 st 9 sc b indx 9      __target
      Type: long
[588] l 00000220 st 9 sc b indx 38     __next
      Type: ptr to struct __stdio_file { ifd = 0, index = 575 }
[589] l 00000240 st 9 sc b indx 3      __pushback_bufp
      Type: ptr to char
[590] l 00000260 st 9 sc b indx 4      __pushback
      Type: unsigned char
[591] l 00000268 st 9 sc 8 indx 3b     __pushed_back
      Type: unsigned int : 1
[592] l 00000269 st 9 sc 8 indx 3d     __eof
      Type: unsigned int : 1
[593] l 0000026a st 9 sc 8 indx 3f     __error
      Type: unsigned int : 1
[594] l 0000026b st 9 sc 8 indx 41     __userbuf
      Type: unsigned int : 1
[595] l 0000026c st 9 sc 8 indx 43     __linebuf
      Type: unsigned int : 1
[596] l 0000026d st 9 sc 8 indx 45     __linebuf_active
      Type: unsigned int : 1
[597] l 0000026e st 9 sc 8 indx 47     __seen
      Type: unsigned int : 1
[598] l 0000026f st 9 sc 8 indx 49     __ispipe
      Type: unsigned int : 1
[599] l 00000000 st 8 sc b indx 36
      First symbol: 575
[600] l 00000000 st a sc b indx 9      time_t
      Type: long
[601] l 00000000 st a sc b indx 8      int32_t
      Type: int
[602] l 00000000 st a sc b indx 4b     int16_t
      Type: short
[603] l 00000000 st a sc b indx 4c     int8_t
      Type: char
[604] l 00000000 st a sc b indx 2      u_int32_t
      Type: unsigned int
[605] l 00000000 st a sc b indx 5      u_int16_t
      Type: unsigned short
[606] l 00000000 st a sc b indx 4      u_int8_t
```

```
Type: unsigned char
[607] l 00000000 st a sc b indx 8      wchar_t
Type: int
[608] l 00000008 st 7 sc b indx 5b      .4fake
End+1 symbol: 612
[609] l 00000000 st 9 sc b indx 8      quot
Type: int
[610] l 00000020 st 9 sc b indx 8      rem
Type: int
[611] l 00000000 st 8 sc b indx 57
First symbol: 608
[612] l 00000000 st a sc b indx 4d      div_t
Type: struct .4fake { ifd = 0, index = 608 }
[613] l 00000008 st 7 sc b indx 60      .5fake
End+1 symbol: 617
[614] l 00000000 st 9 sc b indx 9      quot
Type: long
[615] l 00000020 st 9 sc b indx 9      rem
Type: long
[616] l 00000000 st 8 sc b indx 5c
First symbol: 613
[617] l 00000000 st a sc b indx 50      ldiv_t
Type: struct .5fake { ifd = 0, index = 613 }
[618] l 00000000 st a sc b indx 27      __compar_fn_t
Type: func. ret.
[619] l 00000000 st a sc b indx 27      comparison_fn_t
Type: func. ret.
[620] l 00000004 st 7 sc b indx 6e      .6fake
End+1 symbol: 631
[621] l 00000000 st 9 sc b indx 0      _PC_LINK_MAX
Type: nil
[622] l 00000001 st 9 sc b indx 0      _PC_MAX_CANON
Type: nil
[623] l 00000002 st 9 sc b indx 0      _PC_MAX_INPUT
Type: nil
[624] l 00000003 st 9 sc b indx 0      _PC_NAME_MAX
Type: nil
[625] l 00000004 st 9 sc b indx 0      _PC_PATH_MAX
Type: nil
[626] l 00000005 st 9 sc b indx 0      _PC_PIPE_BUF
Type: nil
[627] l 00000006 st 9 sc b indx 0      _PC_CHOWN_RESTRICTED
Type: nil
[628] l 00000007 st 9 sc b indx 0      _PC_NO_TRUNC
Type: nil
[629] l 00000008 st 9 sc b indx 0      _PC_VDISABLE
Type: nil
[630] l 00000000 st 8 sc b indx 63
First symbol: 620
[631] l 00000004 st 7 sc b indx 8b      .7fake
End+1 symbol: 660
[632] l 00000000 st 9 sc b indx 0      _SC_ARG_MAX
Type: nil
[633] l 00000001 st 9 sc b indx 0      _SC_CHILD_MAX
Type: nil
[634] l 00000002 st 9 sc b indx 0      _SC_CLK_TCK
Type: nil
[635] l 00000003 st 9 sc b indx 0      _SC_NGROUPS_MAX
Type: nil
[636] l 00000004 st 9 sc b indx 0      _SC_OPEN_MAX
Type: nil
[637] l 00000005 st 9 sc b indx 0      _SC_STREAM_MAX
Type: nil
```

```

[638] l 00000006 st 9 sc b indx 0      _SC_TZNAME_MAX
      Type: nil
[639] l 00000007 st 9 sc b indx 0      _SC_JOB_CONTROL
      Type: nil
[640] l 00000008 st 9 sc b indx 0      _SC_SAVED_IDS
      Type: nil
[641] l 00000009 st 9 sc b indx 0      _SC_VERSION
      Type: nil
[642] l 0000000a st 9 sc b indx 0      _SC_PAGESIZE
      Type: nil
[643] l 0000000b st 9 sc b indx 0      _SC_BC_BASE_MAX
      Type: nil
[644] l 0000000c st 9 sc b indx 0      _SC_BC_DIM_MAX
      Type: nil
[645] l 0000000d st 9 sc b indx 0      _SC_BC_SCALE_MAX
      Type: nil
[646] l 0000000e st 9 sc b indx 0      _SC_BC_STRING_MAX
      Type: nil
[647] l 0000000f st 9 sc b indx 0      _SC_COLL_WEIGHTS_MAX
      Type: nil
[648] l 00000010 st 9 sc b indx 0      _SC_EQUIV_CLASS_MAX
      Type: nil
[649] l 00000011 st 9 sc b indx 0      _SC_EXPR_NEST_MAX
      Type: nil
[650] l 00000012 st 9 sc b indx 0      _SC_LINE_MAX
      Type: nil
[651] l 00000013 st 9 sc b indx 0      _SC_RE_DUP_MAX
      Type: nil
[652] l 00000014 st 9 sc b indx 0      _SC_2_VERSION
      Type: nil
[653] l 00000015 st 9 sc b indx 0      _SC_2_C_BIND
      Type: nil
[654] l 00000016 st 9 sc b indx 0      _SC_2_C_DEV
      Type: nil
[655] l 00000017 st 9 sc b indx 0      _SC_2_FORT_DEV
      Type: nil
[656] l 00000018 st 9 sc b indx 0      _SC_2_FORT_RUN
      Type: nil
[657] l 00000019 st 9 sc b indx 0      _SC_2_SW_DEV
      Type: nil
[658] l 0000001a st 9 sc b indx 0      _SC_2_LOCALEDEF
      Type: nil
[659] l 00000000 st 8 sc b indx 6e
      First symbol: 631
[660] l 00000004 st 7 sc b indx 8e      .8fake
      End+1 symbol: 663
[661] l 00000000 st 9 sc b indx 0      _CS_PATH
      Type: nil
[662] l 00000000 st 8 sc b indx 8b
      First symbol: 660
[663] l 00000004 st 7 sc b indx 93      .9fake
      End+1 symbol: 668
[664] l 00000000 st 9 sc b indx 0      ef_free
      Type: nil
[665] l 00000001 st 9 sc b indx 0      ef_on
      Type: nil
[666] l 00000002 st 9 sc b indx 0      ef_at
      Type: nil
[667] l 00000000 st 8 sc b indx 8e
      First symbol: 663
[668] l 00000008 st 7 sc b indx 97      .10fake
      End+1 symbol: 672
[669] l 00000000 st 9 sc b indx 27      fn

```

```

Type: func. ret.
[670] l 00000020 st 9 sc b indx 2e      arg
Type: ptr to int
[671] l 00000000 st 8 sc b indx 93
First symbol: 668
[672] l 00000008 st 7 sc b indx 9b      .11fake
End+1 symbol: 676
[673] l 00000000 st 9 sc b indx 27      at
Type: func. ret.
[674] l 00000000 st 9 sc b indx 53      on
Type: struct .10fake { ifd = 0, index = 668 }
[675] l 00000000 st 8 sc b indx 97
First symbol: 672
[676] l 0000000c st 7 sc b indx 9f      exit_function
End+1 symbol: 680
[677] l 00000000 st 9 sc b indx 56      flavor
Type: enum .9fake { ifd = 0, index = 663 }
[678] l 00000020 st 9 sc b indx 59      func
Type: union .11fake { ifd = 0, index = 672 }
[679] l 00000000 st 8 sc b indx 9b
First symbol: 676
[680] l 00000188 st 7 sc b indx a4      exit_function_list
End+1 symbol: 685
[681] l 00000000 st 9 sc b indx 5c      next
Type: ptr to struct exit_function_list { ifd = 0, index = 680 }
[682] l 00000020 st 9 sc b indx 2      idx
Type: unsigned int
[683] l 00000040 st 9 sc b indx 5f      fns
Type: array [1 {31 bits}] of struct exit_function { ifd = 0, index = 676 }
[684] l 00000000 st 8 sc b indx 9f
First symbol: 680
[685] l 004005a0 st 6 sc 1 indx 67      exit
End+1 symbol: 694      Type: int
[686] l 00000004 st 3 sc 4 indx 8      status
Type: int
[687] l 00000068 st 7 sc 1 indx aa      $Lb0
End+1 symbol: 691
[688] l 000000a8 st 7 sc 1 indx a9      $Lb1
End+1 symbol: 690
[689] l 00000110 st 8 sc 1 indx a7      $Lb1
First symbol: 688
[690] l 00000130 st 8 sc 1 indx a6      $Lb0
First symbol: 687
[691] l 00000140 st 7 sc 1 indx ac      $Lb4
End+1 symbol: 693
[692] l 00000140 st 8 sc 1 indx aa      $Lb4
First symbol: 691
[693] l 000001a0 st 8 sc 1 indx a4      exit
First symbol: 685
[694] l 004005a0 st 5 sc 1 indx ffffff gcc2_compiled.
[695] l 004005a0 st 5 sc 1 indx ffffff __gnu_compiled_c
[696] l 004006e0 st 5 sc 1 indx ffffff $L39
[697] l 00400608 st 5 sc 1 indx ffffff $L41
[698] l 004006d0 st 5 sc 1 indx ffffff $L40
[699] l 00400648 st 5 sc 1 indx ffffff $L44
[700] l 00400678 st 5 sc 1 indx ffffff $L47
[701] l 004006b0 st 5 sc 1 indx ffffff $L42
[702] l 004006a0 st 5 sc 1 indx ffffff $L48
[703] l 00000000 st 8 sc 1 indx 0      exit.c
First symbol: 521
[704] l 00000000 st b sc 1 indx 3b      atexit.c
End+1 symbol: 763
[705] l 00000000 st a sc b indx 1      __long_double_t

```

```

Type: double
[706] l 00000000 st a sc b indx 2      size_t
Type: unsigned int
[707] l 00000000 st a sc b indx 3      wchar_t
Type: int
[708] l 00000008 st 7 sc b indx 8      .0fake
End+1 symbol: 712
[709] l 00000000 st 9 sc b indx 3      quot
Type: int
[710] l 00000020 st 9 sc b indx 3      rem
Type: int
[711] l 00000000 st 8 sc b indx 4
First symbol: 708
[712] l 00000000 st a sc b indx 4      div_t
Type: struct .0fake { ifd = 0, index = 708 }
[713] l 00000008 st 7 sc b indx d      .1fake
End+1 symbol: 717
[714] l 00000000 st 9 sc b indx 7      quot
Type: long
[715] l 00000020 st 9 sc b indx 7      rem
Type: long
[716] l 00000000 st 8 sc b indx 9
First symbol: 713
[717] l 00000000 st a sc b indx 8      ldiv_t
Type: struct .1fake { ifd = 0, index = 713 }
[718] l 00000000 st a sc b indx b      __compar_fn_t
Type: func. ret.
[719] l 00000000 st a sc b indx b      comparison_fn_t
Type: func. ret.
[720] l 00000004 st 7 sc b indx 15     .2fake
End+1 symbol: 725
[721] l 00000000 st 9 sc b indx 0      ef_free
Type: nil
[722] l 00000001 st 9 sc b indx 0      ef_on
Type: nil
[723] l 00000002 st 9 sc b indx 0      ef_at
Type: nil
[724] l 00000000 st 8 sc b indx 10
First symbol: 720
[725] l 00000008 st 7 sc b indx 19     .3fake
End+1 symbol: 729
[726] l 00000000 st 9 sc b indx b      fn
Type: func. ret.
[727] l 00000020 st 9 sc b indx c      arg
Type: ptr to int
[728] l 00000000 st 8 sc b indx 15
First symbol: 725
[729] l 00000008 st 7 sc b indx 1d     .4fake
End+1 symbol: 733
[730] l 00000000 st 9 sc b indx b      at
Type: func. ret.
[731] l 00000000 st 9 sc b indx d      on
Type: struct .3fake { ifd = 0, index = 725 }
[732] l 00000000 st 8 sc b indx 19
First symbol: 729
[733] l 0000000c st 7 sc b indx 21     exit_function
End+1 symbol: 737
[734] l 00000000 st 9 sc b indx 10     flavor
Type: enum .2fake { ifd = 0, index = 720 }
[735] l 00000020 st 9 sc b indx 13     func
Type: union .4fake { ifd = 0, index = 729 }
[736] l 00000000 st 8 sc b indx 1d
First symbol: 733

```

```
[737] 1 00000188 st 7 sc b indx 26      exit_function_list
      End+1 symbol: 742
[738] 1 00000000 st 9 sc b indx 16      next
      Type: ptr to struct exit_function_list { ifd = 0, index = 737 }
[739] 1 00000020 st 9 sc b indx 2       idx
      Type: unsigned int
[740] 1 00000040 st 9 sc b indx 19      fns
      Type: array [1 {31 bits}] of struct exit_function { ifd = 0, index = 733 }
[741] 1 00000000 st 8 sc b indx 21
      First symbol: 737
[742] 1 00400740 st 6 sc 1 indx 21      atexit
      End+1 symbol: 745      Type: int
[743] 1 00000004 st 3 sc 4 indx b       func
      Type: func. ret.
[744] 1 00000088 st 8 sc 1 indx 26      atexit
      First symbol: 742
[745] 1 004007c8 st 6 sc 1 indx 23      __new_exitfn
      End+1 symbol: 749      Type: ptr to struct exit_function { ifd = 0, index = 733 }
[746] 1 00000020 st 7 sc 1 indx 2c      $Lb0
      End+1 symbol: 748
[747] 1 000000a8 st 8 sc 1 indx 2a      $Lb0
      First symbol: 746
[748] 1 00000188 st 8 sc 1 indx 29      __new_exitfn
      First symbol: 745
[749] 1 10000060 st 2 sc 2 indx 2a      fnlist
      Type: struct exit_function_list { ifd = 0, index = 737 }
[750] 1 00400740 st 5 sc 1 indx ffffff gcc2_compiled.
[751] 1 00400740 st 5 sc 1 indx ffffff __gnu_compiled_c
[752] 1 004007a0 st 5 sc 1 indx ffffff $L12
[753] 1 004007a8 st 5 sc 1 indx ffffff $L13
[754] 1 00400880 st 5 sc 1 indx ffffff $L30
[755] 1 004007e8 st 5 sc 1 indx ffffff $L32
[756] 1 00400858 st 5 sc 1 indx ffffff $L34
[757] 1 00400818 st 5 sc 1 indx ffffff $L36
[758] 1 004008d8 st 5 sc 1 indx ffffff $L43
[759] 1 004008f0 st 5 sc 1 indx ffffff $L44
[760] 1 00400930 st 5 sc 1 indx ffffff $L41
[761] 1 00400938 st 5 sc 1 indx ffffff $L42
[762] 1 00000000 st 8 sc 1 indx 0      atexit.c
      First symbol: 704
[763] 1 00000000 st b sc 1 indx 11      init-misc.c
      End+1 symbol: 780
[764] 1 00000000 st a sc b indx 1      __long_double_t
      Type: double
[765] 1 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[766] 1 00400950 st 6 sc 1 indx 5      __init_misc
      End+1 symbol: 773      Type: int
[767] 1 00000004 st 3 sc 4 indx 3      argc
      Type: int
[768] 1 00000005 st 3 sc 4 indx 4      argv
      Type: ptr to ptr to char
[769] 1 00000006 st 3 sc 4 indx 4      envp
      Type: ptr to ptr to char
[770] 1 00000038 st 7 sc 1 indx 9      $Lb0
      End+1 symbol: 772
[771] 1 00000070 st 8 sc 1 indx 7      $Lb0
      First symbol: 770
[772] 1 00000090 st 8 sc 1 indx 3      __init_misc
      First symbol: 766
[773] 1 00400950 st 5 sc 1 indx ffffff gcc2_compiled.
[774] 1 00400950 st 5 sc 1 indx ffffff __gnu_compiled_c
[775] 1 10000310 st 2 sc d indx ffffff $LC0
```



```

[776] 1 004009c0 st 5 sc 1 indx fffff $L6
[777] 1 004009b0 st 5 sc 1 indx fffff $L7
[778] 1 004009b8 st 5 sc 1 indx fffff $L9
[779] 1 00000000 st 8 sc 1 indx 0      init-misc.c
      First symbol: 763
[780] 1 00000000 st b sc 1 indx 89    ../sysdeps/posix/defs.c
      End+1 symbol: 917
[781] 1 00000000 st a sc b indx 1      ptrdiff_t
      Type: int
[782] 1 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[783] 1 00000000 st a sc b indx 1      wchar_t
      Type: int
[784] 1 00000000 st a sc b indx 3      __long_double_t
      Type: double
[785] 1 00000000 st a sc b indx 4      __gnuc_va_list
      Type: ptr to char
[786] 1 00000000 st a sc b indx 5      __u_char
      Type: unsigned char
[787] 1 00000000 st a sc b indx 6      __u_short
      Type: unsigned short
[788] 1 00000000 st a sc b indx 2      __u_int
      Type: unsigned int
[789] 1 00000000 st a sc b indx 7      __u_long
      Type: unsigned long
[790] 1 00000000 st a sc b indx 0      __u_quad_t
      Type: nil
[791] 1 00000000 st a sc b indx 0      __quad_t
      Type: nil
[792] 1 00000000 st a sc b indx 8      __qaddr_t
      Type: ptr to nil
[793] 1 00000000 st a sc b indx 1      __dev_t
      Type: int
[794] 1 00000000 st a sc b indx 2      __uid_t
      Type: unsigned int
[795] 1 00000000 st a sc b indx 2      __gid_t
      Type: unsigned int
[796] 1 00000000 st a sc b indx 2      __ino_t
      Type: unsigned int
[797] 1 00000000 st a sc b indx 2      __mode_t
      Type: unsigned int
[798] 1 00000000 st a sc b indx 6      __nlink_t
      Type: unsigned short
[799] 1 00000000 st a sc b indx 9      __off_t
      Type: long
[800] 1 00000000 st a sc b indx 1      __pid_t
      Type: int
[801] 1 00000000 st a sc b indx 1      __ssize_t
      Type: int
[802] 1 00000000 st a sc b indx 0      __fsid_t
      Type: nil
[803] 1 00000000 st a sc b indx 9      __daddr_t
      Type: long
[804] 1 00000000 st a sc b indx 4      __caddr_t
      Type: ptr to char
[805] 1 00000000 st a sc b indx 9      __time_t
      Type: long
[806] 1 00000000 st a sc b indx 9      __swblk_t
      Type: long
[807] 1 00000020 st 7 sc b indx 1e     .0fake
      End+1 symbol: 810
[808] 1 00000000 st 9 sc b indx a      fds_bits
      Type: array [8 {32 bits}] of unsigned long

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```

[809] 1 00000000 st 8 sc b indx 1b
      First symbol: 807
[810] 1 00000000 st a sc b indx 10      __fd_set
      Type: struct .0fake { ifd = 0, index = 807 }
[811] 1 00000000 st a sc b indx 13      FILE
      Type: struct __stdio_file { ifd = 0, index = 836 }
[812] 1 00000000 st a sc b indx 9       fpos_t
      Type: long
[813] 1 00000004 st 7 sc b indx 2a      .1fake
      End+1 symbol: 822
[814] 1 00000000 st 9 sc 8 indx 16      __read
      Type: unsigned int : 1
[815] 1 00000001 st 9 sc 8 indx 18      __write
      Type: unsigned int : 1
[816] 1 00000002 st 9 sc 8 indx 1a      __append
      Type: unsigned int : 1
[817] 1 00000003 st 9 sc 8 indx 1c      __binary
      Type: unsigned int : 1
[818] 1 00000004 st 9 sc 8 indx 1e      __create
      Type: unsigned int : 1
[819] 1 00000005 st 9 sc 8 indx 20      __exclusive
      Type: unsigned int : 1
[820] 1 00000006 st 9 sc 8 indx 22      __truncate
      Type: unsigned int : 1
[821] 1 00000000 st 8 sc b indx 21
      First symbol: 813
[822] 1 00000000 st a sc b indx 24      __io_mode
      Type: struct .1fake { ifd = 0, index = 813 }
[823] 1 00000014 st 7 sc b indx 32      .2fake
      End+1 symbol: 830
[824] 1 00000000 st 9 sc b indx 27      __read
      Type: func. ret.
[825] 1 00000020 st 9 sc b indx 27      __write
      Type: func. ret.
[826] 1 00000040 st 9 sc b indx 27      __seek
      Type: func. ret.
[827] 1 00000060 st 9 sc b indx 27      __close
      Type: func. ret.
[828] 1 00000080 st 9 sc b indx 27      __fileno
      Type: func. ret.
[829] 1 00000000 st 8 sc b indx 2b
      First symbol: 823
[830] 1 00000000 st a sc b indx 28      __io_functions
      Type: struct .2fake { ifd = 0, index = 823 }
[831] 1 00000008 st 7 sc b indx 37      .3fake
      End+1 symbol: 835
[832] 1 00000000 st 9 sc b indx 27      __input
      Type: func. ret.
[833] 1 00000020 st 9 sc b indx 27      __output
      Type: func. ret.
[834] 1 00000000 st 8 sc b indx 33
      First symbol: 831
[835] 1 00000000 st a sc b indx 2b      __room_functions
      Type: struct .3fake { ifd = 0, index = 831 }
[836] 1 00000050 st 7 sc b indx 51      __stdio_file
      End+1 symbol: 861
[837] 1 00000000 st 9 sc b indx 1       __magic
      Type: int
[838] 1 00000020 st 9 sc b indx 4       __bufp
      Type: ptr to char
[839] 1 00000040 st 9 sc b indx 4       __get_limit
      Type: ptr to char
[840] 1 00000060 st 9 sc b indx 4       __put_limit

```

```

Type: ptr to char
[841] l 00000080 st 9 sc b indx 4      __buffer
Type: ptr to char
[842] l 000000a0 st 9 sc b indx 2      __bufsize
Type: unsigned int
[843] l 000000c0 st 9 sc b indx 2e     __cookie
Type: ptr to int
[844] l 000000e0 st 9 sc b indx 2f     __mode
Type: struct .1fake { ifd = 0, index = 813 }
[845] l 00000100 st 9 sc b indx 32     __io_funcs
Type: struct .2fake { ifd = 0, index = 823 }
[846] l 000001a0 st 9 sc b indx 35     __room_funcs
Type: struct .3fake { ifd = 0, index = 831 }
[847] l 000001e0 st 9 sc b indx 9      __offset
Type: long
[848] l 00000200 st 9 sc b indx 9      __target
Type: long
[849] l 00000220 st 9 sc b indx 38     __next
Type: ptr to struct __stdio_file { ifd = 0, index = 836 }
[850] l 00000240 st 9 sc b indx 4      __pushback_bufp
Type: ptr to char
[851] l 00000260 st 9 sc b indx 5      __pushback
Type: unsigned char
[852] l 00000268 st 9 sc 8 indx 3b     __pushed_back
Type: unsigned int : 1
[853] l 00000269 st 9 sc 8 indx 3d     __eof
Type: unsigned int : 1
[854] l 0000026a st 9 sc 8 indx 3f     __error
Type: unsigned int : 1
[855] l 0000026b st 9 sc 8 indx 41     __userbuf
Type: unsigned int : 1
[856] l 0000026c st 9 sc 8 indx 43     __linebuf
Type: unsigned int : 1
[857] l 0000026d st 9 sc 8 indx 45     __linebuf_active
Type: unsigned int : 1
[858] l 0000026e st 9 sc 8 indx 47     __seen
Type: unsigned int : 1
[859] l 0000026f st 9 sc 8 indx 49     __ispipe
Type: unsigned int : 1
[860] l 00000000 st 8 sc b indx 38
First symbol: 836
[861] l 00000000 st a sc b indx 9      time_t
Type: long
[862] l 00000000 st a sc b indx 1      int32_t
Type: int
[863] l 00000000 st a sc b indx 4b     int16_t
Type: short
[864] l 00000000 st a sc b indx 4c     int8_t
Type: char
[865] l 00000000 st a sc b indx 2      u_int32_t
Type: unsigned int
[866] l 00000000 st a sc b indx 6      u_int16_t
Type: unsigned short
[867] l 00000000 st a sc b indx 5      u_int8_t
Type: unsigned char
[868] l 00000004 st 7 sc b indx 63     .4fake
End+1 symbol: 879
[869] l 00000000 st 9 sc b indx 0      __PC_LINK_MAX
Type: nil
[870] l 00000001 st 9 sc b indx 0      __PC_MAX_CANON
Type: nil
[871] l 00000002 st 9 sc b indx 0      __PC_MAX_INPUT
Type: nil
```

```
[872] 1 00000003 st 9 sc b indx 0      _PC_NAME_MAX
Type: nil
[873] 1 00000004 st 9 sc b indx 0      _PC_PATH_MAX
Type: nil
[874] 1 00000005 st 9 sc b indx 0      _PC_PIPE_BUF
Type: nil
[875] 1 00000006 st 9 sc b indx 0      _PC_CHOWN_RESTRICTED
Type: nil
[876] 1 00000007 st 9 sc b indx 0      _PC_NO_TRUNC
Type: nil
[877] 1 00000008 st 9 sc b indx 0      _PC_VDISABLE
Type: nil
[878] 1 00000000 st 8 sc b indx 58
First symbol: 868
[879] 1 00000004 st 7 sc b indx 80      .5fake
End+1 symbol: 908
[880] 1 00000000 st 9 sc b indx 0      _SC_ARG_MAX
Type: nil
[881] 1 00000001 st 9 sc b indx 0      _SC_CHILD_MAX
Type: nil
[882] 1 00000002 st 9 sc b indx 0      _SC_CLK_TCK
Type: nil
[883] 1 00000003 st 9 sc b indx 0      _SC_NGROUPS_MAX
Type: nil
[884] 1 00000004 st 9 sc b indx 0      _SC_OPEN_MAX
Type: nil
[885] 1 00000005 st 9 sc b indx 0      _SC_STREAM_MAX
Type: nil
[886] 1 00000006 st 9 sc b indx 0      _SC_TZNAME_MAX
Type: nil
[887] 1 00000007 st 9 sc b indx 0      _SC_JOB_CONTROL
Type: nil
[888] 1 00000008 st 9 sc b indx 0      _SC_SAVED_IDS
Type: nil
[889] 1 00000009 st 9 sc b indx 0      _SC_VERSION
Type: nil
[890] 1 0000000a st 9 sc b indx 0      _SC_PAGESIZE
Type: nil
[891] 1 0000000b st 9 sc b indx 0      _SC_BC_BASE_MAX
Type: nil
[892] 1 0000000c st 9 sc b indx 0      _SC_BC_DIM_MAX
Type: nil
[893] 1 0000000d st 9 sc b indx 0      _SC_BC_SCALE_MAX
Type: nil
[894] 1 0000000e st 9 sc b indx 0      _SC_BC_STRING_MAX
Type: nil
[895] 1 0000000f st 9 sc b indx 0      _SC_COLL_WEIGHTS_MAX
Type: nil
[896] 1 00000010 st 9 sc b indx 0      _SC_EQUIV_CLASS_MAX
Type: nil
[897] 1 00000011 st 9 sc b indx 0      _SC_EXPR_NEST_MAX
Type: nil
[898] 1 00000012 st 9 sc b indx 0      _SC_LINE_MAX
Type: nil
[899] 1 00000013 st 9 sc b indx 0      _SC_RE_DUP_MAX
Type: nil
[900] 1 00000014 st 9 sc b indx 0      _SC_2_VERSION
Type: nil
[901] 1 00000015 st 9 sc b indx 0      _SC_2_C_BIND
Type: nil
[902] 1 00000016 st 9 sc b indx 0      _SC_2_C_DEV
Type: nil
[903] 1 00000017 st 9 sc b indx 0      _SC_2_FORT_DEV
```

```

Type: nil
[904] l 00000018 st 9 sc b indx 0      _SC_2_FORT_RUN
Type: nil
[905] l 00000019 st 9 sc b indx 0      _SC_2_SW_DEV
Type: nil
[906] l 0000001a st 9 sc b indx 0      _SC_2_LOCALEDEF
Type: nil
[907] l 00000000 st 8 sc b indx 63
First symbol: 879
[908] l 00000004 st 7 sc b indx 83      .6fake
End+1 symbol: 911
[909] l 00000000 st 9 sc b indx 0      _CS_PATH
Type: nil
[910] l 00000000 st 8 sc b indx 80
First symbol: 908
[911] l 004009e0 st 6 sc 1 indx 4d      _cleanup
End+1 symbol: 913      Type: int
[912] l 00000038 st 8 sc 1 indx 83      _cleanup
First symbol: 911
[913] l 100001f0 st 2 sc 2 indx 5b      stdstreams
Type: array [1 {2 bits}] of struct __stdio_file { ifd = 0, index = 836 }
[914] l 004009e0 st 5 sc 1 indx fffff gcc2_compiled.
[915] l 004009e0 st 5 sc 1 indx fffff __gnu_compiled_c
[916] l 00000000 st 8 sc 1 indx 0      ../sysdeps/posix/defs.c
First symbol: 780
[917] l 00000000 st b sc 1 indx 3      /var/tmp/cca00579.s
End+1 symbol: 920
[918] l 00400a50 st 5 sc 1 indx fffff sysel
[919] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca00579.s
First symbol: 917
[920] l 00000000 st b sc 1 indx 88      malloc.c
End+1 symbol: 1056
[921] l 00000000 st a sc b indx 1      __long_double_t
Type: double
[922] l 00000000 st a sc b indx 2      size_t
Type: unsigned int
[923] l 00000000 st a sc b indx 3      ptrdiff_t
Type: int
[924] l 00000000 st a sc b indx 3      wchar_t
Type: int
[925] l 00000008 st 7 sc b indx 9      .0fake
End+1 symbol: 929
[926] l 00000000 st 9 sc b indx 2      nfree
Type: unsigned int
[927] l 00000020 st 9 sc b indx 2      first
Type: unsigned int
[928] l 00000000 st 8 sc b indx 5
First symbol: 925
[929] l 00000008 st 7 sc b indx d      .1fake
End+1 symbol: 933
[930] l 00000000 st 9 sc b indx 4      frag
Type: struct .0fake { ifd = 0, index = 925 }
[931] l 00000000 st 9 sc b indx 2      size
Type: unsigned int
[932] l 00000000 st 8 sc b indx 9
First symbol: 929
[933] l 0000000c st 7 sc b indx 11      .2fake
End+1 symbol: 937
[934] l 00000000 st 9 sc b indx 3      type
Type: int
[935] l 00000020 st 9 sc b indx 7      info
Type: union .1fake { ifd = 0, index = 929 }
[936] l 00000000 st 8 sc b indx d

```

```
First symbol: 933
[937] l 0000000c st 7 sc b indx 16      .3fake
End+1 symbol: 942
[938] l 00000000 st 9 sc b indx 2       size
Type: unsigned int
[939] l 00000020 st 9 sc b indx 2       next
Type: unsigned int
[940] l 00000040 st 9 sc b indx 2       prev
Type: unsigned int
[941] l 00000000 st 8 sc b indx 11
First symbol: 937
[942] l 0000000c st 7 sc b indx 1a      .4fake
End+1 symbol: 946
[943] l 00000000 st 9 sc b indx a       busy
Type: struct .2fake { ifd = 0, index = 933 }
[944] l 00000000 st 9 sc b indx d       free
Type: struct .3fake { ifd = 0, index = 937 }
[945] l 00000000 st 8 sc b indx 16
First symbol: 942
[946] l 00000000 st a sc b indx 10      malloc_info
Type: union .4fake { ifd = 0, index = 942 }
[947] l 00000008 st 7 sc b indx 1f      list
End+1 symbol: 951
[948] l 00000000 st 9 sc b indx 13      next
Type: ptr to struct list { ifd = 0, index = 947 }
[949] l 00000020 st 9 sc b indx 16      prev
Type: ptr to struct list { ifd = 0, index = 947 }
[950] l 00000000 st 8 sc b indx 1b
First symbol: 947
[951] l 0000000c st 7 sc b indx 24      alignlist
End+1 symbol: 956
[952] l 00000000 st 9 sc b indx 19      next
Type: ptr to struct alignlist { ifd = 0, index = 951 }
[953] l 00000020 st 9 sc b indx 1c      aligned
Type: ptr to int
[954] l 00000040 st 9 sc b indx 1c      exact
Type: ptr to int
[955] l 00000000 st 8 sc b indx 1f
First symbol: 951
[956] l 00000004 st 7 sc b indx 2b      mcheck_status
End+1 symbol: 963
[957] l ffffffff st 9 sc b indx 0       MCHECK_DISABLED
Type: nil
[958] l 00000000 st 9 sc b indx 0       MCHECK_OK
Type: nil
[959] l 00000001 st 9 sc b indx 0       MCHECK_FREE
Type: nil
[960] l 00000002 st 9 sc b indx 0       MCHECK_HEAD
Type: nil
[961] l 00000003 st 9 sc b indx 0       MCHECK_TAIL
Type: nil
[962] l 00000000 st 8 sc b indx 24
First symbol: 956
[963] l 00000014 st 7 sc b indx 32      mstats
End+1 symbol: 970
[964] l 00000000 st 9 sc b indx 2       bytes_total
Type: unsigned int
[965] l 00000020 st 9 sc b indx 2       chunks_used
Type: unsigned int
[966] l 00000040 st 9 sc b indx 2       bytes_used
Type: unsigned int
[967] l 00000060 st 9 sc b indx 2       chunks_free
Type: unsigned int
```

```

[968] 1 00000080 st 9 sc b indx 2      bytes_free
      Type: unsigned int
[969] 1 00000000 st 8 sc b indx 2b
      First symbol: 963
[970] 1 00400a50 st e sc 1 indx 1e      initialize
      End+1 symbol: 978      Type: int
[971] 1 00000000 st 7 sc 1 indx 39      $Lb0
      End+1 symbol: 977
[972] 1 00000000 st 7 sc 1 indx 38      $Lb1
      End+1 symbol: 976
[973] 1 00000004 st 4 sc 4 indx 1d      adj
      Type: unsigned long
[974] 1 00000010 st 4 sc 4 indx 1c      result
      Type: ptr to int
[975] 1 00000098 st 8 sc 1 indx 34      $Lb1
      First symbol: 972
[976] 1 00000098 st 8 sc 1 indx 33      $Lb0
      First symbol: 971
[977] 1 00000188 st 8 sc 1 indx 32      initialize
      First symbol: 970
[978] 1 00400bd8 st e sc 1 indx 23      morecore
      End+1 symbol: 997      Type: ptr to int
[979] 1 00000013 st 3 sc 4 indx 2      size
      Type: unsigned int
[980] 1 00000012 st 4 sc 4 indx 1c      result
      Type: ptr to int
[981] 1 00000004 st 4 sc 4 indx 20      oldinfo
      Type: ptr to union .4fake { ifd = 0, index = 942 }
[982] 1 00000011 st 4 sc 4 indx 2      newsize
      Type: unsigned int
[983] 1 00000000 st 7 sc 1 indx 46      $Lb4
      End+1 symbol: 990
[984] 1 00000013 st 4 sc 4 indx 2      size
      Type: unsigned int
[985] 1 00000000 st 7 sc 1 indx 45      $Lb5
      End+1 symbol: 989
[986] 1 00000004 st 4 sc 4 indx 1d      adj
      Type: unsigned long
[987] 1 00000010 st 4 sc 4 indx 1c      result
      Type: ptr to int
[988] 1 000000a8 st 8 sc 1 indx 41      $Lb5
      First symbol: 985
[989] 1 000000a8 st 8 sc 1 indx 3f      $Lb4
      First symbol: 983
[990] 1 00000170 st 7 sc 1 indx 4c      $Lb8
      End+1 symbol: 996
[991] 1 00000170 st 7 sc 1 indx 4b      $Lb9
      End+1 symbol: 995
[992] 1 00000004 st 4 sc 4 indx 1d      adj
      Type: unsigned long
[993] 1 00000010 st 4 sc 4 indx 1c      result
      Type: ptr to int
[994] 1 000001f8 st 8 sc 1 indx 47      $Lb9
      First symbol: 991
[995] 1 000001f8 st 8 sc 1 indx 46      $Lb8
      First symbol: 990
[996] 1 00000420 st 8 sc 1 indx 3a      morecore
      First symbol: 978
[997] 1 00400ff8 st 6 sc 1 indx 28      malloc
      End+1 symbol: 1010      Type: ptr to int
[998] 1 00000010 st 3 sc 4 indx 2      size
      Type: unsigned int
[999] 1 00000006 st 4 sc 4 indx 1c      result

```

```

    Type: ptr to int
[1000] l 00000007 st 4 sc 4 indx 2      block
    Type: unsigned int
[1001] l 00000012 st 4 sc 4 indx 2      blocks
    Type: unsigned int
[1002] l 00000011 st 4 sc 4 indx 2      lastblocks
    Type: unsigned int
[1003] l 00000014 st 4 sc 4 indx 2      start
    Type: unsigned int
[1004] l 00000004 st 4 sc 4 indx 2      i
    Type: unsigned int
[1005] l 00000002 st 4 sc 4 indx 25     next
    Type: ptr to struct list { ifd = 0, index = 947 }
[1006] l 000000a8 st 7 sc 1 indx 59     $Lb12
    End+1 symbol: 1009
[1007] l 00000011 st 4 sc 4 indx 2      log
    Type: unsigned int
[1008] l 00000358 st 8 sc 1 indx 56     $Lb12
    First symbol: 1006
[1009] l 00000980 st 8 sc 1 indx 4d     malloc
    First symbol: 997
[1010] l 10000380 st 2 sc e indx 2      heapsize
    Type: unsigned int
[1011] l 00400a50 st 5 sc 1 indx fffff gcc2_compiled.
[1012] l 00400a50 st 5 sc 1 indx fffff __gnu_compiled_c
[1013] l 00400ad0 st 5 sc 1 indx fffff $L6
[1014] l 00400ae8 st 5 sc 1 indx fffff $L7
[1015] l 00400bb0 st 5 sc 1 indx fffff $L8
[1016] l 00400bb8 st 5 sc 1 indx fffff $L9
[1017] l 00400c68 st 5 sc 1 indx fffff $L12
[1018] l 00400c80 st 5 sc 1 indx fffff $L13
[1019] l 00400ca0 st 5 sc 1 indx fffff $L14
[1020] l 00400fb8 st 5 sc 1 indx fffff $L28
[1021] l 00400cc8 st 5 sc 1 indx fffff $L16
[1022] l 00400f70 st 5 sc 1 indx fffff $L15
[1023] l 00400d00 st 5 sc 1 indx fffff $L17
[1024] l 00400d18 st 5 sc 1 indx fffff $L20
[1025] l 00400d48 st 5 sc 1 indx fffff $L18
[1026] l 00400db8 st 5 sc 1 indx fffff $L22
[1027] l 00400dd0 st 5 sc 1 indx fffff $L23
[1028] l 00400e00 st 5 sc 1 indx fffff $L24
[1029] l 00400ec0 st 5 sc 1 indx fffff $L25
[1030] l 00400f98 st 5 sc 1 indx fffff $L27
[1031] l 00401058 st 5 sc 1 indx fffff $L30
[1032] l 00401938 st 5 sc 1 indx fffff $L63
[1033] l 00401078 st 5 sc 1 indx fffff $L31
[1034] l 00401808 st 5 sc 1 indx fffff $L64
[1035] l 00401090 st 5 sc 1 indx fffff $L33
[1036] l 00401430 st 5 sc 1 indx fffff $L34
[1037] l 004010d8 st 5 sc 1 indx fffff $L36
[1038] l 004010c0 st 5 sc 1 indx fffff $L37
[1039] l 00401250 st 5 sc 1 indx fffff $L39
[1040] l 00401140 st 5 sc 1 indx fffff $L40
[1041] l 00401160 st 5 sc 1 indx fffff $L41
[1042] l 004011d8 st 5 sc 1 indx fffff $L42
[1043] l 00401930 st 5 sc 1 indx fffff $L52
[1044] l 00401330 st 5 sc 1 indx fffff $L46
[1045] l 004012c0 st 5 sc 1 indx fffff $L48
[1046] l 00401318 st 5 sc 1 indx fffff $L47
[1047] l 00401350 st 5 sc 1 indx fffff $L51
[1048] l 004016e8 st 5 sc 1 indx fffff $L54
[1049] l 00401498 st 5 sc 1 indx fffff $L55
[1050] l 004016a8 st 5 sc 1 indx fffff $L53
```



```

[1051] l 004015e0 st 5 sc 1 indx fffff $L57
[1052] l 00401620 st 5 sc 1 indx fffff $L59
[1053] l 00401818 st 5 sc 1 indx fffff $L61
[1054] l 004018a0 st 5 sc 1 indx fffff $L66
[1055] l 00000000 st 8 sc 1 indx 0      malloc.c
      First symbol: 920
[1056] l 00000000 st b sc 1 indx e      ../sysdeps/generic/strchr.c
      End+1 symbol: 1070
[1057] l 00000000 st a sc b indx 1      __long_double_t
      Type: double
[1058] l 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[1059] l 00401980 st 6 sc 1 indx 5      strchr
      End+1 symbol: 1063      Type: ptr to char
[1060] l 00000004 st 3 sc 4 indx 3      s
      Type: ptr to char
[1061] l 00000005 st 3 sc 4 indx 4      c
      Type: int
[1062] l 000000b0 st 8 sc 1 indx 3      strchr
      First symbol: 1059
[1063] l 00401980 st 5 sc 1 indx fffff gcc2_compiled.
[1064] l 00401980 st 5 sc 1 indx fffff __gnu_compiled_c
[1065] l 004019c8 st 5 sc 1 indx fffff $L7
[1066] l 00401a08 st 5 sc 1 indx fffff $L11
[1067] l 004019d0 st 5 sc 1 indx fffff $L8
[1068] l 00401a00 st 5 sc 1 indx fffff $L9
[1069] l 00000000 st 8 sc 1 indx 0      ../sysdeps/generic/strchr.c
      First symbol: 1056
[1070] l 00000000 st b sc 1 indx 83     fclose.c
      End+1 symbol: 1201
[1071] l 00000000 st a sc b indx 1      ptrdiff_t
      Type: int
[1072] l 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[1073] l 00000000 st a sc b indx 1      wchar_t
      Type: int
[1074] l 00000000 st a sc b indx 3      __long_double_t
      Type: double
[1075] l 00000000 st a sc b indx 4      __gnuc_va_list
      Type: ptr to char
[1076] l 00000000 st a sc b indx 5      __u_char
      Type: unsigned char
[1077] l 00000000 st a sc b indx 6      __u_short
      Type: unsigned short
[1078] l 00000000 st a sc b indx 2      __u_int
      Type: unsigned int
[1079] l 00000000 st a sc b indx 7      __u_long
      Type: unsigned long
[1080] l 00000000 st a sc b indx 0      __u_quad_t
      Type: nil
[1081] l 00000000 st a sc b indx 0      __quad_t
      Type: nil
[1082] l 00000000 st a sc b indx 8      __qaddr_t
      Type: ptr to nil
[1083] l 00000000 st a sc b indx 1      __dev_t
      Type: int
[1084] l 00000000 st a sc b indx 2      __uid_t
      Type: unsigned int
[1085] l 00000000 st a sc b indx 2      __gid_t
      Type: unsigned int
[1086] l 00000000 st a sc b indx 2      __ino_t
      Type: unsigned int
[1087] l 00000000 st a sc b indx 2      __mode_t

```

```

Type: unsigned int
[1088] l 00000000 st a sc b indx 6      __nlink_t
Type: unsigned short
[1089] l 00000000 st a sc b indx 9      __off_t
Type: long
[1090] l 00000000 st a sc b indx 1      __pid_t
Type: int
[1091] l 00000000 st a sc b indx 1      __ssize_t
Type: int
[1092] l 00000000 st a sc b indx 0      __fsid_t
Type: nil
[1093] l 00000000 st a sc b indx 9      __daddr_t
Type: long
[1094] l 00000000 st a sc b indx 4      __caddr_t
Type: ptr to char
[1095] l 00000000 st a sc b indx 9      __time_t
Type: long
[1096] l 00000000 st a sc b indx 9      __swblk_t
Type: long
[1097] l 00000020 st 7 sc b indx 1e      .0fake
End+1 symbol: 1100
[1098] l 00000000 st 9 sc b indx a      fds_bits
Type: array [8 {32 bits}] of unsigned long
[1099] l 00000000 st 8 sc b indx 1b
First symbol: 1097
[1100] l 00000000 st a sc b indx 10     __fd_set
Type: struct .0fake { ifd = 0, index = 1097 }
[1101] l 00000000 st a sc b indx 13     FILE
Type: struct __stdio_file { ifd = 0, index = 1126 }
[1102] l 00000000 st a sc b indx 9      fpos_t
Type: long
[1103] l 00000004 st 7 sc b indx 2a      .1fake
End+1 symbol: 1112
[1104] l 00000000 st 9 sc 8 indx 16      __read
Type: unsigned int : 1
[1105] l 00000001 st 9 sc 8 indx 18      __write
Type: unsigned int : 1
[1106] l 00000002 st 9 sc 8 indx 1a      __append
Type: unsigned int : 1
[1107] l 00000003 st 9 sc 8 indx 1c      __binary
Type: unsigned int : 1
[1108] l 00000004 st 9 sc 8 indx 1e      __create
Type: unsigned int : 1
[1109] l 00000005 st 9 sc 8 indx 20      __exclusive
Type: unsigned int : 1
[1110] l 00000006 st 9 sc 8 indx 22      __truncate
Type: unsigned int : 1
[1111] l 00000000 st 8 sc b indx 21
First symbol: 1103
[1112] l 00000000 st a sc b indx 24      __io_mode
Type: struct .1fake { ifd = 0, index = 1103 }
[1113] l 00000014 st 7 sc b indx 32      .2fake
End+1 symbol: 1120
[1114] l 00000000 st 9 sc b indx 27      __read
Type: func. ret.
[1115] l 00000020 st 9 sc b indx 27      __write
Type: func. ret.
[1116] l 00000040 st 9 sc b indx 27      __seek
Type: func. ret.
[1117] l 00000060 st 9 sc b indx 27      __close
Type: func. ret.
[1118] l 00000080 st 9 sc b indx 27      __fileno
Type: func. ret.

```

```
[1119] l 00000000 st 8 sc b indx 2b
      First symbol: 1113
[1120] l 00000000 st a sc b indx 28      __io_functions
      Type: struct .2fake { ifd = 0, index = 1113 }
[1121] l 00000008 st 7 sc b indx 37      .3fake
      End+1 symbol: 1125
[1122] l 00000000 st 9 sc b indx 27      __input
      Type: func. ret.
[1123] l 00000020 st 9 sc b indx 27      __output
      Type: func. ret.
[1124] l 00000000 st 8 sc b indx 33
      First symbol: 1121
[1125] l 00000000 st a sc b indx 2b      __room_functions
      Type: struct .3fake { ifd = 0, index = 1121 }
[1126] l 00000050 st 7 sc b indx 51      __stdio_file
      End+1 symbol: 1151
[1127] l 00000000 st 9 sc b indx 1       __magic
      Type: int
[1128] l 00000020 st 9 sc b indx 4       __bufp
      Type: ptr to char
[1129] l 00000040 st 9 sc b indx 4       __get_limit
      Type: ptr to char
[1130] l 00000060 st 9 sc b indx 4       __put_limit
      Type: ptr to char
[1131] l 00000080 st 9 sc b indx 4       __buffer
      Type: ptr to char
[1132] l 000000a0 st 9 sc b indx 2       __bufsize
      Type: unsigned int
[1133] l 000000c0 st 9 sc b indx 2e      __cookie
      Type: ptr to int
[1134] l 000000e0 st 9 sc b indx 2f      __mode
      Type: struct .1fake { ifd = 0, index = 1103 }
[1135] l 00000100 st 9 sc b indx 32      __io_funcs
      Type: struct .2fake { ifd = 0, index = 1113 }
[1136] l 000001a0 st 9 sc b indx 35      __room_funcs
      Type: struct .3fake { ifd = 0, index = 1121 }
[1137] l 000001e0 st 9 sc b indx 9       __offset
      Type: long
[1138] l 00000200 st 9 sc b indx 9       __target
      Type: long
[1139] l 00000220 st 9 sc b indx 38      __next
      Type: ptr to struct __stdio_file { ifd = 0, index = 1126 }
[1140] l 00000240 st 9 sc b indx 4       __pushback_bufp
      Type: ptr to char
[1141] l 00000260 st 9 sc b indx 5       __pushback
      Type: unsigned char
[1142] l 00000268 st 9 sc 8 indx 3b      __pushed_back
      Type: unsigned int : 1
[1143] l 00000269 st 9 sc 8 indx 3d      __eof
      Type: unsigned int : 1
[1144] l 0000026a st 9 sc 8 indx 3f      __error
      Type: unsigned int : 1
[1145] l 0000026b st 9 sc 8 indx 41      __userbuf
      Type: unsigned int : 1
[1146] l 0000026c st 9 sc 8 indx 43      __linebuf
      Type: unsigned int : 1
[1147] l 0000026d st 9 sc 8 indx 45      __linebuf_active
      Type: unsigned int : 1
[1148] l 0000026e st 9 sc 8 indx 47      __seen
      Type: unsigned int : 1
[1149] l 0000026f st 9 sc 8 indx 49      __ispipe
      Type: unsigned int : 1
[1150] l 00000000 st 8 sc b indx 38
```

```

First symbol: 1126
[1151] l 00000000 st a sc b indx 9      time_t
      Type: long
[1152] l 00000000 st a sc b indx 1      int32_t
      Type: int
[1153] l 00000000 st a sc b indx 4b     int16_t
      Type: short
[1154] l 00000000 st a sc b indx 4c     int8_t
      Type: char
[1155] l 00000000 st a sc b indx 2      u_int32_t
      Type: unsigned int
[1156] l 00000000 st a sc b indx 6      u_int16_t
      Type: unsigned short
[1157] l 00000000 st a sc b indx 5      u_int8_t
      Type: unsigned char
[1158] l 00000008 st 7 sc b indx 5c     .4fake
      End+1 symbol: 1162
[1159] l 00000000 st 9 sc b indx 1      quot
      Type: int
[1160] l 00000020 st 9 sc b indx 1      rem
      Type: int
[1161] l 00000000 st 8 sc b indx 58
      First symbol: 1158
[1162] l 00000000 st a sc b indx 4d     div_t
      Type: struct .4fake { ifd = 0, index = 1158 }
[1163] l 00000008 st 7 sc b indx 61     .5fake
      End+1 symbol: 1167
[1164] l 00000000 st 9 sc b indx 9      quot
      Type: long
[1165] l 00000020 st 9 sc b indx 9      rem
      Type: long
[1166] l 00000000 st 8 sc b indx 5d
      First symbol: 1163
[1167] l 00000000 st a sc b indx 50     ldiv_t
      Type: struct .5fake { ifd = 0, index = 1163 }
[1168] l 00000000 st a sc b indx 27     __compar_fn_t
      Type: func. ret.
[1169] l 00000000 st a sc b indx 27     comparison_fn_t
      Type: func. ret.
[1170] l 00000008 st 7 sc b indx 68     .6fake
      End+1 symbol: 1174
[1171] l 00000000 st 9 sc b indx 1      __magic
      Type: int
[1172] l 00000020 st 9 sc b indx 53     __p
      Type: ptr to ptr to struct __stdio_file { ifd = 0, index = 1126 }
[1173] l 00000000 st 8 sc b indx 64
      First symbol: 1170
[1174] l 00000008 st 7 sc b indx 6c     .7fake
      End+1 symbol: 1178
[1175] l 00000000 st 9 sc b indx 1      __magic
      Type: int
[1176] l 00000020 st 9 sc b indx 56     __p
      Type: ptr to ptr to struct __stdio_file { ifd = 0, index = 1126 }
[1177] l 00000000 st 8 sc b indx 68
      First symbol: 1174
[1178] l 00401a30 st 6 sc 1 indx 5f     fclose
      End+1 symbol: 1185      Type: int
[1179] l 00000010 st 3 sc 4 indx 59     stream
      Type: ptr to struct __stdio_file { ifd = 0, index = 1126 }
[1180] l 00000011 st 4 sc 4 indx 1      status
      Type: int
[1181] l 00000038 st 7 sc 1 indx 72     $Lb0
      End+1 symbol: 1184

```

```
[1182] l 00000010 st 4 sc 4 indx 5c      f
      Type: ptr to struct __stdio_file { ifd = 0, index = 1126 }
[1183] l 000000c8 st 8 sc 1 indx 6f      $Lb0
      First symbol: 1181
[1184] l 00000278 st 8 sc 1 indx 6c      fclose
      First symbol: 1178
[1185] l 00401a30 st 5 sc 1 indx fffff gcc2_compiled.
[1186] l 00401a30 st 5 sc 1 indx fffff __gnu_compiled_c
[1187] l 00401af8 st 5 sc 1 indx fffff $L42
[1188] l 00401ae8 st 5 sc 1 indx fffff $L24
[1189] l 00401a98 st 5 sc 1 indx fffff $L43
[1190] l 00401ab8 st 5 sc 1 indx fffff $L28
[1191] l 00401ad8 st 5 sc 1 indx fffff $L25
[1192] l 00401c78 st 5 sc 1 indx fffff $L41
[1193] l 00401b28 st 5 sc 1 indx fffff $L32
[1194] l 00401b68 st 5 sc 1 indx fffff $L30
[1195] l 00401bb8 st 5 sc 1 indx fffff $L33
[1196] l 00401be8 st 5 sc 1 indx fffff $L34
[1197] l 00401c18 st 5 sc 1 indx fffff $L35
[1198] l 00401c60 st 5 sc 1 indx fffff $L36
[1199] l 00401c58 st 5 sc 1 indx fffff $L37
[1200] l 00000000 st 8 sc 1 indx 0      fclose.c
      First symbol: 1070
[1201] l 00000000 st b sc 1 indx 2      /var/tmp/cca003vV.s
      End+1 symbol: 1203
[1202] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca003vV.s
      First symbol: 1201
[1203] l 00000000 st b sc 1 indx 38     ../sysdeps/generic/morecore.c
      End+1 symbol: 1259
[1204] l 00000000 st a sc b indx 1      __long_double_t
      Type: double
[1205] l 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[1206] l 00000000 st a sc b indx 3      ptrdiff_t
      Type: int
[1207] l 00000000 st a sc b indx 3      wchar_t
      Type: int
[1208] l 00000008 st 7 sc b indx 9      .0fake
      End+1 symbol: 1212
[1209] l 00000000 st 9 sc b indx 2      nfree
      Type: unsigned int
[1210] l 00000020 st 9 sc b indx 2      first
      Type: unsigned int
[1211] l 00000000 st 8 sc b indx 5
      First symbol: 1208
[1212] l 00000008 st 7 sc b indx d      .1fake
      End+1 symbol: 1216
[1213] l 00000000 st 9 sc b indx 4      frag
      Type: struct .0fake { ifd = 0, index = 1208 }
[1214] l 00000000 st 9 sc b indx 2      size
      Type: unsigned int
[1215] l 00000000 st 8 sc b indx 9
      First symbol: 1212
[1216] l 0000000c st 7 sc b indx 11     .2fake
      End+1 symbol: 1220
[1217] l 00000000 st 9 sc b indx 3      type
      Type: int
[1218] l 00000020 st 9 sc b indx 7      info
      Type: union .1fake { ifd = 0, index = 1212 }
[1219] l 00000000 st 8 sc b indx d
      First symbol: 1216
[1220] l 0000000c st 7 sc b indx 16     .3fake
      End+1 symbol: 1225
```

```

[1221] l 00000000 st 9 sc b indx 2      size
      Type: unsigned int
[1222] l 00000020 st 9 sc b indx 2      next
      Type: unsigned int
[1223] l 00000040 st 9 sc b indx 2      prev
      Type: unsigned int
[1224] l 00000000 st 8 sc b indx 11
      First symbol: 1220
[1225] l 0000000c st 7 sc b indx 1a      .4fake
      End+1 symbol: 1229
[1226] l 00000000 st 9 sc b indx a      busy
      Type: struct .2fake { ifd = 0, index = 1216 }
[1227] l 00000000 st 9 sc b indx d      free
      Type: struct .3fake { ifd = 0, index = 1220 }
[1228] l 00000000 st 8 sc b indx 16
      First symbol: 1225
[1229] l 00000000 st a sc b indx 10      malloc_info
      Type: union .4fake { ifd = 0, index = 1225 }
[1230] l 00000008 st 7 sc b indx 1f      list
      End+1 symbol: 1234
[1231] l 00000000 st 9 sc b indx 13      next
      Type: ptr to struct list { ifd = 0, index = 1230 }
[1232] l 00000020 st 9 sc b indx 16      prev
      Type: ptr to struct list { ifd = 0, index = 1230 }
[1233] l 00000000 st 8 sc b indx 1b
      First symbol: 1230
[1234] l 0000000c st 7 sc b indx 24      alignlist
      End+1 symbol: 1239
[1235] l 00000000 st 9 sc b indx 19      next
      Type: ptr to struct alignlist { ifd = 0, index = 1234 }
[1236] l 00000020 st 9 sc b indx 1c      aligned
      Type: ptr to int
[1237] l 00000040 st 9 sc b indx 1c      exact
      Type: ptr to int
[1238] l 00000000 st 8 sc b indx 1f
      First symbol: 1234
[1239] l 00000004 st 7 sc b indx 2b      mcheck_status
      End+1 symbol: 1246
[1240] l ffffffff st 9 sc b indx 0      MCHECK_DISABLED
      Type: nil
[1241] l 00000000 st 9 sc b indx 0      MCHECK_OK
      Type: nil
[1242] l 00000001 st 9 sc b indx 0      MCHECK_FREE
      Type: nil
[1243] l 00000002 st 9 sc b indx 0      MCHECK_HEAD
      Type: nil
[1244] l 00000003 st 9 sc b indx 0      MCHECK_TAIL
      Type: nil
[1245] l 00000000 st 8 sc b indx 24
      First symbol: 1239
[1246] l 00000014 st 7 sc b indx 32      mstats
      End+1 symbol: 1253
[1247] l 00000000 st 9 sc b indx 2      bytes_total
      Type: unsigned int
[1248] l 00000020 st 9 sc b indx 2      chunks_used
      Type: unsigned int
[1249] l 00000040 st 9 sc b indx 2      bytes_used
      Type: unsigned int
[1250] l 00000060 st 9 sc b indx 2      chunks_free
      Type: unsigned int
[1251] l 00000080 st 9 sc b indx 2      bytes_free
      Type: unsigned int
[1252] l 00000000 st 8 sc b indx 2b

```

```

First symbol: 1246
[1253] l 00401cd0 st 6 sc 1 indx 1d      __default_morecore
      End+1 symbol: 1256      Type: ptr to int
[1254] l 00000004 st 3 sc 4 indx 3      increment
      Type: int
[1255] l 00000050 st 8 sc 1 indx 32      __default_morecore
      First symbol: 1253
[1256] l 00401cd0 st 5 sc 1 indx fffff gcc2_compiled.
[1257] l 00401cd0 st 5 sc 1 indx fffff __gnu_compiled_c
[1258] l 00000000 st 8 sc 1 indx 0      ../sysdeps/generic/morecore.c
      First symbol: 1203
[1259] l 00000000 st b sc 1 indx 17      ../sysdeps/generic/memset.c
      End+1 symbol: 1282
[1260] l 00000000 st a sc b indx 1      __long_double_t
      Type: double
[1261] l 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[1262] l 00000000 st a sc b indx 3      byte
      Type: unsigned char
[1263] l 00401d20 st 6 sc 1 indx 6      memset
      End+1 symbol: 1270      Type: ptr to int
[1264] l 00000004 st 3 sc 4 indx 4      dstpp
      Type: ptr to int
[1265] l 00000005 st 3 sc 4 indx 5      c
      Type: int
[1266] l 00000006 st 3 sc 4 indx 2      len
      Type: unsigned int
[1267] l 00000018 st 7 sc 1 indx a      $Lb0
      End+1 symbol: 1269
[1268] l 00000130 st 8 sc 1 indx 8      $Lb0
      First symbol: 1267
[1269] l 00000168 st 8 sc 1 indx 4      memset
      First symbol: 1263
[1270] l 00401d20 st 5 sc 1 indx fffff gcc2_compiled.
[1271] l 00401d20 st 5 sc 1 indx fffff __gnu_compiled_c
[1272] l 00401e50 st 5 sc 1 indx fffff $L21
[1273] l 00401d98 st 5 sc 1 indx fffff $L39
[1274] l 00401d70 st 5 sc 1 indx fffff $L25
[1275] l 00401e10 st 5 sc 1 indx fffff $L28
[1276] l 00401db0 st 5 sc 1 indx fffff $L29
[1277] l 00401e48 st 5 sc 1 indx fffff $L32
[1278] l 00401e28 st 5 sc 1 indx fffff $L33
[1279] l 00401e78 st 5 sc 1 indx fffff $L36
[1280] l 00401e58 st 5 sc 1 indx fffff $L37
[1281] l 00000000 st 8 sc 1 indx 0      ../sysdeps/generic/memset.c
      First symbol: 1259
[1282] l 00000000 st b sc 1 indx 1b      ../sysdeps/generic/memcpy.c
      End+1 symbol: 1309
[1283] l 00000000 st a sc b indx 1      __long_double_t
      Type: double
[1284] l 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[1285] l 00000000 st a sc b indx 3      byte
      Type: unsigned char
[1286] l 00401e90 st 6 sc 1 indx 5      memcpy
      End+1 symbol: 1299      Type: ptr to int
[1287] l 00000004 st 3 sc 4 indx 4      dstpp
      Type: ptr to int
[1288] l 00000005 st 3 sc 4 indx 4      srcpp
      Type: ptr to int
[1289] l 00000006 st 3 sc 4 indx 2      len
      Type: unsigned int
[1290] l 00000060 st 7 sc 1 indx c      $Lb0

```

```

End+1 symbol: 1294
[1291] l 00000088 st 7 sc 1 indx b      $Lb1
End+1 symbol: 1293
[1292] l 00000088 st 8 sc 1 indx 9      $Lb1
First symbol: 1291
[1293] l 000000b8 st 8 sc 1 indx 8      $Lb0
First symbol: 1290
[1294] l 00000138 st 7 sc 1 indx 10     $Lb4
End+1 symbol: 1298
[1295] l 00000148 st 7 sc 1 indx f      $Lb5
End+1 symbol: 1297
[1296] l 00000148 st 8 sc 1 indx d      $Lb5
First symbol: 1295
[1297] l 00000178 st 8 sc 1 indx c      $Lb4
First symbol: 1294
[1298] l 000001b8 st 8 sc 1 indx 4      memcpy
First symbol: 1286
[1299] l 00401e90 st 5 sc 1 indx fffff gcc2_compiled.
[1300] l 00401e90 st 5 sc 1 indx fffff __gnu_compiled_c
[1301] l 00401fc8 st 5 sc 1 indx fffff $L26
[1302] l 00401f48 st 5 sc 1 indx fffff $L28
[1303] l 00401f18 st 5 sc 1 indx fffff $L32
[1304] l 00401f80 st 5 sc 1 indx fffff $L38
[1305] l 00401fa0 st 5 sc 1 indx fffff $L39
[1306] l 00402008 st 5 sc 1 indx fffff $L42
[1307] l 00401fd8 st 5 sc 1 indx fffff $L46
[1308] l 00000000 st 8 sc 1 indx 0      ../sysdeps/generic/memcpy.c
First symbol: 1282
[1309] l 00000000 st b sc 1 indx 5a     free.c
End+1 symbol: 1399
[1310] l 00000000 st a sc b indx 1      __long_double_t
Type: double
[1311] l 00000000 st a sc b indx 2      size_t
Type: unsigned int
[1312] l 00000000 st a sc b indx 3      ptrdiff_t
Type: int
[1313] l 00000000 st a sc b indx 3      wchar_t
Type: int
[1314] l 00000008 st 7 sc b indx 9      .Ofake
End+1 symbol: 1318
[1315] l 00000000 st 9 sc b indx 2      nfree
Type: unsigned int
[1316] l 00000020 st 9 sc b indx 2      first
Type: unsigned int
[1317] l 00000000 st 8 sc b indx 5
First symbol: 1314
[1318] l 00000008 st 7 sc b indx d      .1fake
End+1 symbol: 1322
[1319] l 00000000 st 9 sc b indx 4      frag
Type: struct .Ofake { ifd = 0, index = 1314 }
[1320] l 00000000 st 9 sc b indx 2      size
Type: unsigned int
[1321] l 00000000 st 8 sc b indx 9
First symbol: 1318
[1322] l 0000000c st 7 sc b indx 11     .2fake
End+1 symbol: 1326
[1323] l 00000000 st 9 sc b indx 3      type
Type: int
[1324] l 00000020 st 9 sc b indx 7      info
Type: union .1fake { ifd = 0, index = 1318 }
[1325] l 00000000 st 8 sc b indx d
First symbol: 1322
[1326] l 0000000c st 7 sc b indx 16     .3fake

```



```

End+1 symbol: 1331
[1327] l 00000000 st 9 sc b indx 2      size
      Type: unsigned int
[1328] l 00000020 st 9 sc b indx 2      next
      Type: unsigned int
[1329] l 00000040 st 9 sc b indx 2      prev
      Type: unsigned int
[1330] l 00000000 st 8 sc b indx 11
      First symbol: 1326
[1331] l 0000000c st 7 sc b indx 1a      .4fake
      End+1 symbol: 1335
[1332] l 00000000 st 9 sc b indx a      busy
      Type: struct .2fake { ifd = 0, index = 1322 }
[1333] l 00000000 st 9 sc b indx d      free
      Type: struct .3fake { ifd = 0, index = 1326 }
[1334] l 00000000 st 8 sc b indx 16
      First symbol: 1331
[1335] l 00000000 st a sc b indx 10      malloc_info
      Type: union .4fake { ifd = 0, index = 1331 }
[1336] l 00000008 st 7 sc b indx 1f      list
      End+1 symbol: 1340
[1337] l 00000000 st 9 sc b indx 13      next
      Type: ptr to struct list { ifd = 0, index = 1336 }
[1338] l 00000020 st 9 sc b indx 16      prev
      Type: ptr to struct list { ifd = 0, index = 1336 }
[1339] l 00000000 st 8 sc b indx 1b
      First symbol: 1336
[1340] l 0000000c st 7 sc b indx 24      alignlist
      End+1 symbol: 1345
[1341] l 00000000 st 9 sc b indx 19      next
      Type: ptr to struct alignlist { ifd = 0, index = 1340 }
[1342] l 00000020 st 9 sc b indx 1c      aligned
      Type: ptr to int
[1343] l 00000040 st 9 sc b indx 1c      exact
      Type: ptr to int
[1344] l 00000000 st 8 sc b indx 1f
      First symbol: 1340
[1345] l 00000004 st 7 sc b indx 2b      mcheck_status
      End+1 symbol: 1352
[1346] l ffffffff st 9 sc b indx 0      MCHECK_DISABLED
      Type: nil
[1347] l 00000000 st 9 sc b indx 0      MCHECK_OK
      Type: nil
[1348] l 00000001 st 9 sc b indx 0      MCHECK_FREE
      Type: nil
[1349] l 00000002 st 9 sc b indx 0      MCHECK_HEAD
      Type: nil
[1350] l 00000003 st 9 sc b indx 0      MCHECK_TAIL
      Type: nil
[1351] l 00000000 st 8 sc b indx 24
      First symbol: 1345
[1352] l 00000014 st 7 sc b indx 32      mstats
      End+1 symbol: 1359
[1353] l 00000000 st 9 sc b indx 2      bytes_total
      Type: unsigned int
[1354] l 00000020 st 9 sc b indx 2      chunks_used
      Type: unsigned int
[1355] l 00000040 st 9 sc b indx 2      bytes_used
      Type: unsigned int
[1356] l 00000060 st 9 sc b indx 2      chunks_free
      Type: unsigned int
[1357] l 00000080 st 9 sc b indx 2      bytes_free
      Type: unsigned int

```

```
[1358] l 00000000 st 8 sc b indx 2b
      First symbol: 1352
[1359] l 00402050 st 6 sc 1 indx 23      _free_internal
      End+1 symbol: 1370      Type: int
[1360] l 00000006 st 3 sc 4 indx 1c      ptr
      Type: ptr to int
[1361] l 00000009 st 4 sc 4 indx 3      type
      Type: int
[1362] l 00000010 st 4 sc 4 indx 2      block
      Type: unsigned int
[1363] l 00000011 st 4 sc 4 indx 2      blocks
      Type: unsigned int
[1364] l 00000006 st 4 sc 4 indx 2      i
      Type: unsigned int
[1365] l 00000007 st 4 sc 4 indx 1d      prev
      Type: ptr to struct list { ifd = 0, index = 1336 }
[1366] l 00000003 st 4 sc 4 indx 20      next
      Type: ptr to struct list { ifd = 0, index = 1336 }
[1367] l 00000470 st 7 sc 1 indx 3c      $Lb0
      End+1 symbol: 1369
[1368] l 00000560 st 8 sc 1 indx 3a      $Lb0
      First symbol: 1367
[1369] l 000008b0 st 8 sc 1 indx 32      _free_internal
      First symbol: 1359
[1370] l 00402900 st 6 sc 1 indx 25      free
      End+1 symbol: 1373      Type: int
[1371] l 00000004 st 3 sc 4 indx 1c      ptr
      Type: ptr to int
[1372] l 000000a0 st 8 sc 1 indx 3d      free
      First symbol: 1370
[1373] l 00402050 st 5 sc 1 indx fffff gcc2_compiled.
[1374] l 00402050 st 5 sc 1 indx fffff __gnu_compiled_c
[1375] l 004020a8 st 5 sc 1 indx fffff $L2
[1376] l 004025c0 st 5 sc 1 indx fffff $L20
[1377] l 004021b8 st 5 sc 1 indx fffff $L5
[1378] l 00402178 st 5 sc 1 indx fffff $L8
[1379] l 00402228 st 5 sc 1 indx fffff $L10
[1380] l 004021c0 st 5 sc 1 indx fffff $L11
[1381] l 00402200 st 5 sc 1 indx fffff $L12
[1382] l 004022b0 st 5 sc 1 indx fffff $L16
[1383] l 00402348 st 5 sc 1 indx fffff $L17
[1384] l 00402440 st 5 sc 1 indx fffff $L18
[1385] l 004025b0 st 5 sc 1 indx fffff $L19
[1386] l 004028c8 st 5 sc 1 indx fffff $L3
[1387] l 004027c8 st 5 sc 1 indx fffff $L21
[1388] l 004026c0 st 5 sc 1 indx fffff $L23
[1389] l 004026a0 st 5 sc 1 indx fffff $L25
[1390] l 004026e8 st 5 sc 1 indx fffff $L27
[1391] l 00402838 st 5 sc 1 indx fffff $L29
[1392] l 00402808 st 5 sc 1 indx fffff $L30
[1393] l 00402988 st 5 sc 1 indx fffff $L44
[1394] l 00402948 st 5 sc 1 indx fffff $L47
[1395] l 00402928 st 5 sc 1 indx fffff $L49
[1396] l 00402968 st 5 sc 1 indx fffff $L54
[1397] l 00402980 st 5 sc 1 indx fffff $L52
[1398] l 00000000 st 8 sc 1 indx 0      free.c
      First symbol: 1309
[1399] l 00000000 st b sc 1 indx 1a      ../sysdeps/generic/strchr.c
      End+1 symbol: 1425
[1400] l 00000000 st a sc b indx 1      __long_double_t
      Type: double
[1401] l 00000000 st a sc b indx 2      size_t
      Type: unsigned int
```

```

[1402] l 004029a0 st 6 sc 1 indx 8      strchr
      End+1 symbol: 1414      Type: ptr to char
[1403] l 00000004 st 3 sc 4 indx 3      s
      Type: ptr to char
[1404] l 00000005 st 3 sc 4 indx 4      c
      Type: int
[1405] l 00000004 st 4 sc 4 indx 5      char_ptr
      Type: ptr to unsigned char
[1406] l 00000004 st 4 sc 4 indx 6      longword_ptr
      Type: ptr to unsigned long
[1407] l 00000006 st 4 sc 4 indx 7      longword
      Type: unsigned long
[1408] l 00000008 st 4 sc 4 indx 7      magic_bits
      Type: unsigned long
[1409] l 00000009 st 4 sc 4 indx 7      charmask
      Type: unsigned long
[1410] l 000000f0 st 7 sc 1 indx e      $Lb0
      End+1 symbol: 1413
[1411] l 00000002 st 4 sc 4 indx 5      cp
      Type: ptr to unsigned char
[1412] l 00000190 st 8 sc 1 indx b      $Lb0
      First symbol: 1410
[1413] l 000001a0 st 8 sc 1 indx 3      strchr
      First symbol: 1402
[1414] l 004029a0 st 5 sc 1 indx fffff gcc2_compiled.
[1415] l 004029a0 st 5 sc 1 indx fffff __gnu_compiled_c
[1416] l 004029f0 st 5 sc 1 indx fffff $L3
[1417] l 004029c0 st 5 sc 1 indx fffff $L5
[1418] l 00402b18 st 5 sc 1 indx fffff $L48
[1419] l 00402b28 st 5 sc 1 indx fffff $L49
[1420] l 00402a20 st 5 sc 1 indx fffff $L17
[1421] l 00402a90 st 5 sc 1 indx fffff $L21
[1422] l 00402b30 st 5 sc 1 indx fffff $L47
[1423] l 00402b30 st 5 sc 1 indx fffff $L31
[1424] l 00000000 st 8 sc 1 indx 0      ../sysdeps/generic/strchr.c
      First symbol: 1399
[1425] l 00000000 st b sc 1 indx 158    internals.c
      End+1 symbol: 1769
[1426] l 00000000 st a sc b indx 1      __long_double_t
      Type: double
[1427] l 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[1428] l 00000000 st a sc b indx 3      __gnuc_va_list
      Type: ptr to char
[1429] l 00000000 st a sc b indx 4      __u_char
      Type: unsigned char
[1430] l 00000000 st a sc b indx 5      __u_short
      Type: unsigned short
[1431] l 00000000 st a sc b indx 2      __u_int
      Type: unsigned int
[1432] l 00000000 st a sc b indx 6      __u_long
      Type: unsigned long
[1433] l 00000000 st a sc b indx 0      __u_quad_t
      Type: nil
[1434] l 00000000 st a sc b indx 0      __quad_t
      Type: nil
[1435] l 00000000 st a sc b indx 7      __qaddr_t
      Type: ptr to nil
[1436] l 00000000 st a sc b indx 8      __dev_t
      Type: int
[1437] l 00000000 st a sc b indx 2      __uid_t
      Type: unsigned int
[1438] l 00000000 st a sc b indx 2      __gid_t

```

```

Type: unsigned int
[1439] l 00000000 st a sc b indx 2      __ino_t
Type: unsigned int
[1440] l 00000000 st a sc b indx 2      __mode_t
Type: unsigned int
[1441] l 00000000 st a sc b indx 5      __nlink_t
Type: unsigned short
[1442] l 00000000 st a sc b indx 9      __off_t
Type: long
[1443] l 00000000 st a sc b indx 8      __pid_t
Type: int
[1444] l 00000000 st a sc b indx 8      __ssize_t
Type: int
[1445] l 00000000 st a sc b indx 0      __fsid_t
Type: nil
[1446] l 00000000 st a sc b indx 9      __daddr_t
Type: long
[1447] l 00000000 st a sc b indx 3      __caddr_t
Type: ptr to char
[1448] l 00000000 st a sc b indx 9      __time_t
Type: long
[1449] l 00000000 st a sc b indx 9      __swblk_t
Type: long
[1450] l 00000020 st 7 sc b indx 1c      .0fake
End+1 symbol: 1453
[1451] l 00000000 st 9 sc b indx a      fds_bits
Type: array [8 {32 bits}] of unsigned long
[1452] l 00000000 st 8 sc b indx 19
First symbol: 1450
[1453] l 00000000 st a sc b indx 10     __fd_set
Type: struct .0fake { ifd = 0, index = 1450 }
[1454] l 00000000 st a sc b indx 13     FILE
Type: struct __stdio_file { ifd = 0, index = 1479 }
[1455] l 00000000 st a sc b indx 9      fpos_t
Type: long
[1456] l 00000004 st 7 sc b indx 28     .1fake
End+1 symbol: 1465
[1457] l 00000000 st 9 sc 8 indx 16     __read
Type: unsigned int : 1
[1458] l 00000001 st 9 sc 8 indx 18     __write
Type: unsigned int : 1
[1459] l 00000002 st 9 sc 8 indx 1a     __append
Type: unsigned int : 1
[1460] l 00000003 st 9 sc 8 indx 1c     __binary
Type: unsigned int : 1
[1461] l 00000004 st 9 sc 8 indx 1e     __create
Type: unsigned int : 1
[1462] l 00000005 st 9 sc 8 indx 20     __exclusive
Type: unsigned int : 1
[1463] l 00000006 st 9 sc 8 indx 22     __truncate
Type: unsigned int : 1
[1464] l 00000000 st 8 sc b indx 1f
First symbol: 1456
[1465] l 00000000 st a sc b indx 24     __io_mode
Type: struct .1fake { ifd = 0, index = 1456 }
[1466] l 00000014 st 7 sc b indx 30     .2fake
End+1 symbol: 1473
[1467] l 00000000 st 9 sc b indx 27     __read
Type: func. ret.
[1468] l 00000020 st 9 sc b indx 27     __write
Type: func. ret.
[1469] l 00000040 st 9 sc b indx 27     __seek
Type: func. ret.

```

```
[1470] l 00000060 st 9 sc b indx 27      __close
      Type: func. ret.
[1471] l 00000080 st 9 sc b indx 27      __fileno
      Type: func. ret.
[1472] l 00000000 st 8 sc b indx 29
      First symbol: 1466
[1473] l 00000000 st a sc b indx 28      __io_functions
      Type: struct .2fake { ifd = 0, index = 1466 }
[1474] l 00000008 st 7 sc b indx 35      .3fake
      End+1 symbol: 1478
[1475] l 00000000 st 9 sc b indx 27      __input
      Type: func. ret.
[1476] l 00000020 st 9 sc b indx 27      __output
      Type: func. ret.
[1477] l 00000000 st 8 sc b indx 31
      First symbol: 1474
[1478] l 00000000 st a sc b indx 2b      __room_functions
      Type: struct .3fake { ifd = 0, index = 1474 }
[1479] l 00000050 st 7 sc b indx 4f      __stdio_file
      End+1 symbol: 1504
[1480] l 00000000 st 9 sc b indx 8       __magic
      Type: int
[1481] l 00000020 st 9 sc b indx 3       __bufp
      Type: ptr to char
[1482] l 00000040 st 9 sc b indx 3       __get_limit
      Type: ptr to char
[1483] l 00000060 st 9 sc b indx 3       __put_limit
      Type: ptr to char
[1484] l 00000080 st 9 sc b indx 3       __buffer
      Type: ptr to char
[1485] l 000000a0 st 9 sc b indx 2       __bufsize
      Type: unsigned int
[1486] l 000000c0 st 9 sc b indx 2e      __cookie
      Type: ptr to int
[1487] l 000000e0 st 9 sc b indx 2f      __mode
      Type: struct .1fake { ifd = 0, index = 1456 }
[1488] l 00000100 st 9 sc b indx 32      __io_funcs
      Type: struct .2fake { ifd = 0, index = 1466 }
[1489] l 000001a0 st 9 sc b indx 35      __room_funcs
      Type: struct .3fake { ifd = 0, index = 1474 }
[1490] l 000001e0 st 9 sc b indx 9       __offset
      Type: long
[1491] l 00000200 st 9 sc b indx 9       __target
      Type: long
[1492] l 00000220 st 9 sc b indx 38      __next
      Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1493] l 00000240 st 9 sc b indx 3       __pushback_bufp
      Type: ptr to char
[1494] l 00000260 st 9 sc b indx 4       __pushback
      Type: unsigned char
[1495] l 00000268 st 9 sc 8 indx 3b      __pushed_back
      Type: unsigned int : 1
[1496] l 00000269 st 9 sc 8 indx 3d      __eof
      Type: unsigned int : 1
[1497] l 0000026a st 9 sc 8 indx 3f      __error
      Type: unsigned int : 1
[1498] l 0000026b st 9 sc 8 indx 41      __userbuf
      Type: unsigned int : 1
[1499] l 0000026c st 9 sc 8 indx 43      __linebuf
      Type: unsigned int : 1
[1500] l 0000026d st 9 sc 8 indx 45      __linebuf_active
      Type: unsigned int : 1
[1501] l 0000026e st 9 sc 8 indx 47      __seen
```

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Type: unsigned int : 1
[1502] l 0000026f st 9 sc 8 indx 49      __ispipe
Type: unsigned int : 1
[1503] l 00000000 st 8 sc b indx 36
First symbol: 1479
[1504] l 00000000 st a sc b indx 9      time_t
Type: long
[1505] l 00000000 st a sc b indx 8      int32_t
Type: int
[1506] l 00000000 st a sc b indx 4b     int16_t
Type: short
[1507] l 00000000 st a sc b indx 4c     int8_t
Type: char
[1508] l 00000000 st a sc b indx 2      u_int32_t
Type: unsigned int
[1509] l 00000000 st a sc b indx 5      u_int16_t
Type: unsigned short
[1510] l 00000000 st a sc b indx 4      u_int8_t
Type: unsigned char
[1511] l 00000000 st a sc b indx 8      wchar_t
Type: int
[1512] l 00000008 st 7 sc b indx 5b     .4fake
End+1 symbol: 1516
[1513] l 00000000 st 9 sc b indx 8      quot
Type: int
[1514] l 00000020 st 9 sc b indx 8      rem
Type: int
[1515] l 00000000 st 8 sc b indx 57
First symbol: 1512
[1516] l 00000000 st a sc b indx 4d     div_t
Type: struct .4fake { ifd = 0, index = 1512 }
[1517] l 00000008 st 7 sc b indx 60     .5fake
End+1 symbol: 1521
[1518] l 00000000 st 9 sc b indx 9      quot
Type: long
[1519] l 00000020 st 9 sc b indx 9      rem
Type: long
[1520] l 00000000 st 8 sc b indx 5c
First symbol: 1517
[1521] l 00000000 st a sc b indx 50     ldiv_t
Type: struct .5fake { ifd = 0, index = 1517 }
[1522] l 00000000 st a sc b indx 27     __compar_fn_t
Type: func. ret.
[1523] l 00000000 st a sc b indx 27     comparison_fn_t
Type: func. ret.
[1524] l 00402b40 st 6 sc 1 indx 56     __stdio_check_funcs
End+1 symbol: 1529      Type: int
[1525] l 00000004 st 3 sc 4 indx 53     fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1526] l 00000038 st 7 sc 1 indx 67     $Lb0
End+1 symbol: 1528
[1527] l 000000e8 st 8 sc 1 indx 65     $Lb0
First symbol: 1526
[1528] l 00000108 st 8 sc 1 indx 63     __stdio_check_funcs
First symbol: 1524
[1529] l 00402c48 st 6 sc 1 indx 61     __stdio_check_offset
End+1 symbol: 1550      Type: int
[1530] l 00000010 st 3 sc 4 indx 58     stream
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1531] l 00000000 st 7 sc 1 indx 79     $Lb2
End+1 symbol: 1546
[1532] l 00000010 st 4 sc 4 indx 5b     fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }

```

```

[1533] 1 00000000 st 7 sc 1 indx 78      $Lb3
      End+1 symbol: 1545
[1534] 1 00000000 st 7 sc 1 indx 74      $Lb4
      End+1 symbol: 1541
[1535] 1 00000010 st 4 sc 4 indx 5e      fp
      Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1536] 1 00000000 st 7 sc 1 indx 73      $Lb5
      End+1 symbol: 1540
[1537] 1 00000040 st 7 sc 1 indx 72      $Lb6
      End+1 symbol: 1539
[1538] 1 000000f0 st 8 sc 1 indx 70      $Lb6
      First symbol: 1537
[1539] 1 000000f0 st 8 sc 1 indx 6f      $Lb5
      First symbol: 1536
[1540] 1 000000f0 st 8 sc 1 indx 6d      $Lb4
      First symbol: 1534
[1541] 1 00000118 st 7 sc 1 indx 77      $Lb10
      End+1 symbol: 1544
[1542] 1 00000011 st 4 sc 4 indx 8       save
      Type: int
[1543] 1 000001d8 st 8 sc 1 indx 74      $Lb10
      First symbol: 1541
[1544] 1 00000210 st 8 sc 1 indx 6c      $Lb3
      First symbol: 1533
[1545] 1 00000210 st 8 sc 1 indx 6a      $Lb2
      First symbol: 1531
[1546] 1 00000258 st 7 sc 1 indx 7c      $Lb14
      End+1 symbol: 1549
[1547] 1 ffffffff8 st 4 sc 5 indx 9      pos
      Type: long
[1548] 1 000002c8 st 8 sc 1 indx 79      $Lb14
      First symbol: 1546
[1549] 1 00000320 st 8 sc 1 indx 68      __stdio_check_offset
      First symbol: 1529
[1550] 1 00402f68 st e sc 1 indx 69      flushbuf
      End+1 symbol: 1583      Type: int
[1551] 1 00000010 st 3 sc 4 indx 63      fp
      Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1552] 1 00000014 st 3 sc 4 indx 8       c
      Type: int
[1553] 1 00000015 st 4 sc 4 indx 8       flush_only
      Type: int
[1554] 1 00000013 st 4 sc 4 indx 2       buffer_written
      Type: unsigned int
[1555] 1 00000012 st 4 sc 4 indx 2       to_write
      Type: unsigned int
[1556] 1 00000017 st 4 sc 4 indx 8       twiddled
      Type: int
[1557] 1 00000098 st 7 sc 1 indx 8d      $Lb16
      End+1 symbol: 1566
[1558] 1 00000013 st 4 sc 4 indx 2       buffer_offset
      Type: unsigned int
[1559] 1 00000100 st 7 sc 1 indx 8c      $Lb17
      End+1 symbol: 1565
[1560] 1 00000012 st 4 sc 4 indx 8       save
      Type: int
[1561] 1 00000011 st 4 sc 4 indx 8       aligned
      Type: int
[1562] 1 00000188 st 7 sc 1 indx 8b      $Lb18
      End+1 symbol: 1564
[1563] 1 00000288 st 8 sc 1 indx 89      $Lb18
      First symbol: 1562
[1564] 1 00000290 st 8 sc 1 indx 86      $Lb17

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First symbol: 1559
[1565] l 00000338 st 8 sc 1 indx 84      $Lb16
First symbol: 1557
[1566] l 000003e0 st 7 sc 1 indx 99      $Lb22
End+1 symbol: 1578
[1567] l 00000003 st 4 sc 4 indx 8       wrote
Type: int
[1568] l 000003f8 st 7 sc 1 indx 98      $Lb23
End+1 symbol: 1577
[1569] l 00000010 st 4 sc 4 indx 66      fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1570] l 000003f8 st 7 sc 1 indx 97      $Lb24
End+1 symbol: 1576
[1571] l 00000011 st 4 sc 4 indx 8       save
Type: int
[1572] l 00000490 st 7 sc 1 indx 96      $Lb25
End+1 symbol: 1575
[1573] l ffffffff8 st 4 sc 5 indx 9      pos
Type: long
[1574] l 00000500 st 8 sc 1 indx 93      $Lb25
First symbol: 1572
[1575] l 00000500 st 8 sc 1 indx 91      $Lb24
First symbol: 1570
[1576] l 00000500 st 8 sc 1 indx 8f      $Lb23
First symbol: 1568
[1577] l 000005c0 st 8 sc 1 indx 8d      $Lb22
First symbol: 1566
[1578] l 00000628 st 7 sc 1 indx 9c      $Lb30
End+1 symbol: 1581
[1579] l ffffffff0 st 4 sc 5 indx 4c     cc
Type: char
[1580] l 00000680 st 8 sc 1 indx 99      $Lb30
First symbol: 1578
[1581] l 00403640 st 5 sc 1 indx 0       end
[1582] l 00000788 st 8 sc 1 indx 7d      flushbuf
First symbol: 1550
[1583] l 004036f0 st e sc 1 indx 71      fillbuf
End+1 symbol: 1607      Type: int
[1584] l 00000010 st 3 sc 4 indx 6b      fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1585] l 00000015 st 4 sc 4 indx 2      buffer_offset
Type: unsigned int
[1586] l 00000012 st 4 sc 4 indx 3      buffer
Type: ptr to char
[1587] l 00000011 st 4 sc 4 indx 2      to_read
Type: unsigned int
[1588] l 00000014 st 4 sc 4 indx 2      nread
Type: unsigned int
[1589] l ffffffff0 st 4 sc 5 indx 4      c
Type: unsigned char
[1590] l 000000c8 st 7 sc 1 indx b1      $Lb32
End+1 symbol: 1602
[1591] l 00000016 st 4 sc 4 indx 8       save
Type: int
[1592] l 00000160 st 7 sc 1 indx b0      $Lb33
End+1 symbol: 1601
[1593] l 00000010 st 4 sc 4 indx 6e      fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1594] l 00000160 st 7 sc 1 indx af      $Lb34
End+1 symbol: 1600
[1595] l 00000013 st 4 sc 4 indx 8       save
Type: int
[1596] l 000001f8 st 7 sc 1 indx ae      $Lb35
```



```
End+1 symbol: 1599
[1597] l ffffffff st 4 sc 5 indx 9      pos
      Type: long
[1598] l 00000268 st 8 sc 1 indx ab     $Lb35
      First symbol: 1596
[1599] l 00000268 st 8 sc 1 indx a9     $Lb34
      First symbol: 1594
[1600] l 00000268 st 8 sc 1 indx a7     $Lb33
      First symbol: 1592
[1601] l 00000268 st 8 sc 1 indx a5     $Lb32
      First symbol: 1590
[1602] l 00000298 st 7 sc 1 indx b4     $Lb40
      End+1 symbol: 1605
[1603] l 00000003 st 4 sc 4 indx 8      count
      Type: int
[1604] l 00000348 st 8 sc 1 indx b1     $Lb40
      First symbol: 1602
[1605] l 00403aa8 st 5 sc 1 indx 0      end
[1606] l 00000490 st 8 sc 1 indx 9e     fillbuf
      First symbol: 1583
[1607] l 00000008 st 7 sc b indx ba     .6fake
      End+1 symbol: 1611
[1608] l 00000000 st 9 sc b indx 8      __magic
      Type: int
[1609] l 00000020 st 9 sc b indx 73      __p
      Type: ptr to ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1610] l 00000000 st 8 sc b indx b6
      First symbol: 1607
[1611] l 00403b80 st 6 sc 1 indx 7f      __flshfp
      End+1 symbol: 1631      Type: int
[1612] l 00000010 st 3 sc 4 indx 76      fp
      Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1613] l 00000012 st 3 sc 4 indx 8      c
      Type: int
[1614] l 00000013 st 4 sc 4 indx 8      flush_only
      Type: int
[1615] l 00000138 st 7 sc 1 indx cd     $Lb42
      End+1 symbol: 1630
[1616] l 00000010 st 4 sc 4 indx 79      fp
      Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1617] l 00000138 st 7 sc 1 indx cc     $Lb43
      End+1 symbol: 1629
[1618] l 00000138 st 7 sc 1 indx c8     $Lb44
      End+1 symbol: 1625
[1619] l 00000010 st 4 sc 4 indx 7c      fp
      Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1620] l 00000138 st 7 sc 1 indx c7     $Lb45
      End+1 symbol: 1624
[1621] l 00000150 st 7 sc 1 indx c6     $Lb46
      End+1 symbol: 1623
[1622] l 00000200 st 8 sc 1 indx c4     $Lb46
      First symbol: 1621
[1623] l 00000200 st 8 sc 1 indx c3     $Lb45
      First symbol: 1620
[1624] l 00000200 st 8 sc 1 indx c1     $Lb44
      First symbol: 1618
[1625] l 00000228 st 7 sc 1 indx cb     $Lb50
      End+1 symbol: 1628
[1626] l 00000011 st 4 sc 4 indx 8      save
      Type: int
[1627] l 000002e8 st 8 sc 1 indx c8     $Lb50
      First symbol: 1625
[1628] l 00000320 st 8 sc 1 indx c0     $Lb43
```

```
First symbol: 1617
[1629] l 00000320 st 8 sc 1 indx be      $Lb42
First symbol: 1615
[1630] l 00000538 st 8 sc 1 indx ba      __flshfp
First symbol: 1611
[1631] l 00000008 st 7 sc b indx d2      .7fake
End+1 symbol: 1635
[1632] l 00000000 st 9 sc b indx 8       __magic
Type: int
[1633] l 00000020 st 9 sc b indx 81      __p
Type: ptr to ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1634] l 00000000 st 8 sc b indx ce
First symbol: 1631
[1635] l 00000008 st 7 sc b indx d6      .8fake
End+1 symbol: 1639
[1636] l 00000000 st 9 sc b indx 8       __magic
Type: int
[1637] l 00000020 st 9 sc b indx 84      __p
Type: ptr to ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1638] l 00000000 st 8 sc b indx d2
First symbol: 1635
[1639] l 004040b8 st 6 sc 1 indx 93      __fillbf
End+1 symbol: 1662      Type: int
[1640] l 00000011 st 3 sc 4 indx 87      fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1641] l 00000004 st 4 sc 4 indx 8       c
Type: int
[1642] l 00000010 st 4 sc 4 indx 9       new_target
Type: long
[1643] l 00000120 st 7 sc 1 indx e9      $Lb54
End+1 symbol: 1658
[1644] l 00000011 st 4 sc 4 indx 8a      fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1645] l 00000120 st 7 sc 1 indx e8      $Lb55
End+1 symbol: 1657
[1646] l 00000120 st 7 sc 1 indx e4      $Lb56
End+1 symbol: 1653
[1647] l 00000011 st 4 sc 4 indx 8d      fp
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1648] l 00000120 st 7 sc 1 indx e3      $Lb57
End+1 symbol: 1652
[1649] l 00000130 st 7 sc 1 indx e2      $Lb58
End+1 symbol: 1651
[1650] l 000001e0 st 8 sc 1 indx e0      $Lb58
First symbol: 1649
[1651] l 000001e0 st 8 sc 1 indx df      $Lb57
First symbol: 1648
[1652] l 000001e0 st 8 sc 1 indx dd      $Lb56
First symbol: 1646
[1653] l 00000208 st 7 sc 1 indx e7      $Lb62
End+1 symbol: 1656
[1654] l 00000010 st 4 sc 4 indx 8       save
Type: int
[1655] l 000002c8 st 8 sc 1 indx e4      $Lb62
First symbol: 1653
[1656] l 00000300 st 8 sc 1 indx dc      $Lb55
First symbol: 1645
[1657] l 00000300 st 8 sc 1 indx da      $Lb54
First symbol: 1643
[1658] l 00000328 st 7 sc 1 indx ec      $Lb66
End+1 symbol: 1661
[1659] l 00000010 st 4 sc 4 indx 90      f
Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
```

```
[1660] l 000003e0 st 8 sc 1 indx e9      $Lb66
      First symbol: 1658
[1661] l 00000590 st 8 sc 1 indx d6      __fillbf
      First symbol: 1639
[1662] l 00404648 st 6 sc 1 indx 98      __invalidate
      End+1 symbol: 1665      Type: int
[1663] l 00000004 st 3 sc 4 indx 95      stream
      Type: ptr to struct __stdio_file { ifd = 0, index = 1479 }
[1664] l 00000078 st 8 sc 1 indx ed      __invalidate
      First symbol: 1662
[1665] l 00402b40 st 5 sc 1 indx fffff gcc2_compiled.
[1666] l 00402b40 st 5 sc 1 indx fffff __gnu_compiled_c
[1667] l 00402c28 st 5 sc 1 indx fffff $L24
[1668] l 00402d38 st 5 sc 1 indx fffff $L40
[1669] l 00402e20 st 5 sc 1 indx fffff $L42
[1670] l 00402d80 st 5 sc 1 indx fffff $L43
[1671] l 00402de8 st 5 sc 1 indx fffff $L45
[1672] l 00402da0 st 5 sc 1 indx fffff $L46
[1673] l 00402e58 st 5 sc 1 indx fffff $L39
[1674] l 00402f10 st 5 sc 1 indx fffff $L52
[1675] l 00402ea0 st 5 sc 1 indx fffff $L53
[1676] l 00402e90 st 5 sc 1 indx fffff $L59
[1677] l 00402f40 st 5 sc 1 indx fffff $L58
[1678] l 00402f00 st 5 sc 1 indx fffff $L55
[1679] l 00402f38 st 5 sc 1 indx fffff $L57
[1680] l 004032a0 st 5 sc 1 indx fffff $L72
[1681] l 004031f8 st 5 sc 1 indx fffff $L73
[1682] l 004030d8 st 5 sc 1 indx fffff $L75
[1683] l 004030e0 st 5 sc 1 indx fffff $L74
[1684] l 004031f0 st 5 sc 1 indx fffff $L76
[1685] l 00403170 st 5 sc 1 indx fffff $L77
[1686] l 00403698 st 5 sc 1 indx fffff $L71
[1687] l 004031e8 st 5 sc 1 indx fffff $L79
[1688] l 00403288 st 5 sc 1 indx fffff $L84
[1689] l 00403298 st 5 sc 1 indx fffff $L83
[1690] l 004032f0 st 5 sc 1 indx fffff $L87
[1691] l 004032f8 st 5 sc 1 indx fffff $L88
[1692] l 00403318 st 5 sc 1 indx fffff $L92
[1693] l 00403348 st 5 sc 1 indx fffff $L119
[1694] l 00403528 st 5 sc 1 indx fffff $L93
[1695] l 00403468 st 5 sc 1 indx fffff $L94
[1696] l 004033b0 st 5 sc 1 indx fffff $L96
[1697] l 00403450 st 5 sc 1 indx fffff $L120
[1698] l 004033f8 st 5 sc 1 indx fffff $L101
[1699] l 00403458 st 5 sc 1 indx fffff $L121
[1700] l 00403500 st 5 sc 1 indx fffff $L107
[1701] l 004034e8 st 5 sc 1 indx fffff $L108
[1702] l 004034f8 st 5 sc 1 indx fffff $L122
[1703] l 00403590 st 5 sc 1 indx fffff $L113
[1704] l 00403620 st 5 sc 1 indx fffff $L112
[1705] l 004035e8 st 5 sc 1 indx fffff $L114
[1706] l 00403670 st 5 sc 1 indx fffff $L117
[1707] l 00403780 st 5 sc 1 indx fffff $L124
[1708] l 004037a8 st 5 sc 1 indx fffff $L126
[1709] l 004037b8 st 5 sc 1 indx fffff $L127
[1710] l 00403958 st 5 sc 1 indx fffff $L128
[1711] l 00403850 st 5 sc 1 indx fffff $L129
[1712] l 004038a0 st 5 sc 1 indx fffff $L131
[1713] l 00403940 st 5 sc 1 indx fffff $L155
[1714] l 004038e8 st 5 sc 1 indx fffff $L136
[1715] l 00403948 st 5 sc 1 indx fffff $L156
[1716] l 00403a50 st 5 sc 1 indx fffff $L142
[1717] l 00403978 st 5 sc 1 indx fffff $L149
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[1718] 1 004039e0 st 5 sc 1 indx ffffff $L145
[1719] 1 00403a38 st 5 sc 1 indx ffffff $L141
[1720] 1 00403a08 st 5 sc 1 indx ffffff $L147
[1721] 1 00403a98 st 5 sc 1 indx ffffff $L150
[1722] 1 00403a88 st 5 sc 1 indx ffffff $L151
[1723] 1 00403b30 st 5 sc 1 indx ffffff $L154
[1724] 1 00403b10 st 5 sc 1 indx ffffff $L153
[1725] 1 00403c40 st 5 sc 1 indx ffffff $L159
[1726] 1 00403c08 st 5 sc 1 indx ffffff $L160
[1727] 1 00403c60 st 5 sc 1 indx ffffff $L158
[1728] 1 00403c50 st 5 sc 1 indx ffffff $L191
[1729] 1 00404080 st 5 sc 1 indx ffffff $L188
[1730] 1 00403cb8 st 5 sc 1 indx ffffff $L162
[1731] 1 00403d80 st 5 sc 1 indx ffffff $L164
[1732] 1 00403e68 st 5 sc 1 indx ffffff $L166
[1733] 1 00403dc8 st 5 sc 1 indx ffffff $L167
[1734] 1 00403e30 st 5 sc 1 indx ffffff $L169
[1735] 1 00403de8 st 5 sc 1 indx ffffff $L170
[1736] 1 00403ea0 st 5 sc 1 indx ffffff $L163
[1737] 1 00403ed8 st 5 sc 1 indx ffffff $L176
[1738] 1 00403fa0 st 5 sc 1 indx ffffff $L177
[1739] 1 00403f30 st 5 sc 1 indx ffffff $L178
[1740] 1 00403f48 st 5 sc 1 indx ffffff $L179
[1741] 1 00404068 st 5 sc 1 indx ffffff $L190
[1742] 1 00403fd8 st 5 sc 1 indx ffffff $L182
[1743] 1 00403ff0 st 5 sc 1 indx ffffff $L183
[1744] 1 00404048 st 5 sc 1 indx ffffff $L185
[1745] 1 00404078 st 5 sc 1 indx ffffff $L187
[1746] 1 00404160 st 5 sc 1 indx ffffff $L194
[1747] 1 00404128 st 5 sc 1 indx ffffff $L195
[1748] 1 00404180 st 5 sc 1 indx ffffff $L193
[1749] 1 00404610 st 5 sc 1 indx ffffff $L228
[1750] 1 004041d8 st 5 sc 1 indx ffffff $L196
[1751] 1 00404298 st 5 sc 1 indx ffffff $L198
[1752] 1 00404380 st 5 sc 1 indx ffffff $L200
[1753] 1 004042e0 st 5 sc 1 indx ffffff $L201
[1754] 1 00404348 st 5 sc 1 indx ffffff $L203
[1755] 1 00404300 st 5 sc 1 indx ffffff $L204
[1756] 1 004043b8 st 5 sc 1 indx ffffff $L197
[1757] 1 004043e0 st 5 sc 1 indx ffffff $L211
[1758] 1 00404498 st 5 sc 1 indx ffffff $L210
[1759] 1 00404410 st 5 sc 1 indx ffffff $L229
[1760] 1 00404430 st 5 sc 1 indx ffffff $L217
[1761] 1 00404488 st 5 sc 1 indx ffffff $L214
[1762] 1 004044f0 st 5 sc 1 indx ffffff $L219
[1763] 1 00404578 st 5 sc 1 indx ffffff $L220
[1764] 1 00404560 st 5 sc 1 indx ffffff $L221
[1765] 1 00404600 st 5 sc 1 indx ffffff $L230
[1766] 1 004045f0 st 5 sc 1 indx ffffff $L225
[1767] 1 00404608 st 5 sc 1 indx ffffff $L224
[1768] 1 00000000 st 8 sc 1 indx 0 internals.c
    First symbol: 1425
[1769] 1 00000000 st b sc 1 indx 107 ../sysdeps/generic/sysd-stdio.c
    End+1 symbol: 2032
[1770] 1 00000000 st a sc b indx 1 __long_double_t
    Type: double
[1771] 1 00000000 st a sc b indx 2 ptrdiff_t
    Type: int
[1772] 1 00000000 st a sc b indx 3 size_t
    Type: unsigned int
[1773] 1 00000000 st a sc b indx 2 wchar_t
    Type: int
[1774] 1 00000000 st a sc b indx 4 __gnuc_va_list

```

```

Type: ptr to char
[1775] l 00000000 st a sc b indx 5    __u_char
Type: unsigned char
[1776] l 00000000 st a sc b indx 6    __u_short
Type: unsigned short
[1777] l 00000000 st a sc b indx 3    __u_int
Type: unsigned int
[1778] l 00000000 st a sc b indx 7    __u_long
Type: unsigned long
[1779] l 00000000 st a sc b indx 0    __u_quad_t
Type: nil
[1780] l 00000000 st a sc b indx 0    __quad_t
Type: nil
[1781] l 00000000 st a sc b indx 8    __qaddr_t
Type: ptr to nil
[1782] l 00000000 st a sc b indx 2    __dev_t
Type: int
[1783] l 00000000 st a sc b indx 3    __uid_t
Type: unsigned int
[1784] l 00000000 st a sc b indx 3    __gid_t
Type: unsigned int
[1785] l 00000000 st a sc b indx 3    __ino_t
Type: unsigned int
[1786] l 00000000 st a sc b indx 3    __mode_t
Type: unsigned int
[1787] l 00000000 st a sc b indx 6    __nlink_t
Type: unsigned short
[1788] l 00000000 st a sc b indx 9    __off_t
Type: long
[1789] l 00000000 st a sc b indx 2    __pid_t
Type: int
[1790] l 00000000 st a sc b indx 2    __ssize_t
Type: int
[1791] l 00000000 st a sc b indx 0    __fsid_t
Type: nil
[1792] l 00000000 st a sc b indx 9    __daddr_t
Type: long
[1793] l 00000000 st a sc b indx 4    __caddr_t
Type: ptr to char
[1794] l 00000000 st a sc b indx 9    __time_t
Type: long
[1795] l 00000000 st a sc b indx 9    __swblk_t
Type: long
[1796] l 00000020 st 7 sc b indx 1e    .0fake
End+1 symbol: 1799
[1797] l 00000000 st 9 sc b indx a    fds_bits
Type: array [8 {32 bits}] of unsigned long
[1798] l 00000000 st 8 sc b indx 1b
First symbol: 1796
[1799] l 00000000 st a sc b indx 10    __fd_set
Type: struct .0fake { ifd = 0, index = 1796 }
[1800] l 00000000 st a sc b indx 13    FILE
Type: struct __stdio_file { ifd = 0, index = 1825 }
[1801] l 00000000 st a sc b indx 9    fpos_t
Type: long
[1802] l 00000004 st 7 sc b indx 2a    .1fake
End+1 symbol: 1811
[1803] l 00000000 st 9 sc 8 indx 16    __read
Type: unsigned int : 1
[1804] l 00000001 st 9 sc 8 indx 18    __write
Type: unsigned int : 1
[1805] l 00000002 st 9 sc 8 indx 1a    __append
Type: unsigned int : 1

```

```

[1806] l 00000003 st 9 sc 8 indx 1c    __binary
      Type: unsigned int : 1
[1807] l 00000004 st 9 sc 8 indx 1e    __create
      Type: unsigned int : 1
[1808] l 00000005 st 9 sc 8 indx 20    __exclusive
      Type: unsigned int : 1
[1809] l 00000006 st 9 sc 8 indx 22    __truncate
      Type: unsigned int : 1
[1810] l 00000000 st 8 sc b indx 21
      First symbol: 1802
[1811] l 00000000 st a sc b indx 24    __io_mode
      Type: struct .1fake { ifd = 0, index = 1802 }
[1812] l 00000014 st 7 sc b indx 32    .2fake
      End+1 symbol: 1819
[1813] l 00000000 st 9 sc b indx 27    __read
      Type: func. ret.
[1814] l 00000020 st 9 sc b indx 27    __write
      Type: func. ret.
[1815] l 00000040 st 9 sc b indx 27    __seek
      Type: func. ret.
[1816] l 00000060 st 9 sc b indx 27    __close
      Type: func. ret.
[1817] l 00000080 st 9 sc b indx 27    __fileno
      Type: func. ret.
[1818] l 00000000 st 8 sc b indx 2b
      First symbol: 1812
[1819] l 00000000 st a sc b indx 28    __io_functions
      Type: struct .2fake { ifd = 0, index = 1812 }
[1820] l 00000008 st 7 sc b indx 37    .3fake
      End+1 symbol: 1824
[1821] l 00000000 st 9 sc b indx 27    __input
      Type: func. ret.
[1822] l 00000020 st 9 sc b indx 27    __output
      Type: func. ret.
[1823] l 00000000 st 8 sc b indx 33
      First symbol: 1820
[1824] l 00000000 st a sc b indx 2b    __room_functions
      Type: struct .3fake { ifd = 0, index = 1820 }
[1825] l 00000050 st 7 sc b indx 51    __stdio_file
      End+1 symbol: 1850
[1826] l 00000000 st 9 sc b indx 2    __magic
      Type: int
[1827] l 00000020 st 9 sc b indx 4    __bufp
      Type: ptr to char
[1828] l 00000040 st 9 sc b indx 4    __get_limit
      Type: ptr to char
[1829] l 00000060 st 9 sc b indx 4    __put_limit
      Type: ptr to char
[1830] l 00000080 st 9 sc b indx 4    __buffer
      Type: ptr to char
[1831] l 000000a0 st 9 sc b indx 3    __bufsize
      Type: unsigned int
[1832] l 000000c0 st 9 sc b indx 2e    __cookie
      Type: ptr to int
[1833] l 000000e0 st 9 sc b indx 2f    __mode
      Type: struct .1fake { ifd = 0, index = 1802 }
[1834] l 00000100 st 9 sc b indx 32    __io_funcs
      Type: struct .2fake { ifd = 0, index = 1812 }
[1835] l 000001a0 st 9 sc b indx 35    __room_funcs
      Type: struct .3fake { ifd = 0, index = 1820 }
[1836] l 000001e0 st 9 sc b indx 9    __offset
      Type: long
[1837] l 00000200 st 9 sc b indx 9    __target

```

```

Type: long
[1838] l 00000220 st 9 sc b indx 38    __next
Type: ptr to struct __stdio_file { ifd = 0, index = 1825 }
[1839] l 00000240 st 9 sc b indx 4    __pushback_bufp
Type: ptr to char
[1840] l 00000260 st 9 sc b indx 5    __pushback
Type: unsigned char
[1841] l 00000268 st 9 sc 8 indx 3b    __pushed_back
Type: unsigned int : 1
[1842] l 00000269 st 9 sc 8 indx 3d    __eof
Type: unsigned int : 1
[1843] l 0000026a st 9 sc 8 indx 3f    __error
Type: unsigned int : 1
[1844] l 0000026b st 9 sc 8 indx 41    __userbuf
Type: unsigned int : 1
[1845] l 0000026c st 9 sc 8 indx 43    __linebuf
Type: unsigned int : 1
[1846] l 0000026d st 9 sc 8 indx 45    __linebuf_active
Type: unsigned int : 1
[1847] l 0000026e st 9 sc 8 indx 47    __seen
Type: unsigned int : 1
[1848] l 0000026f st 9 sc 8 indx 49    __ispipe
Type: unsigned int : 1
[1849] l 00000000 st 8 sc b indx 38
First symbol: 1825
[1850] l 00000000 st a sc b indx 9    time_t
Type: long
[1851] l 00000000 st a sc b indx 2    int32_t
Type: int
[1852] l 00000000 st a sc b indx 4b    int16_t
Type: short
[1853] l 00000000 st a sc b indx 4c    int8_t
Type: char
[1854] l 00000000 st a sc b indx 3    u_int32_t
Type: unsigned int
[1855] l 00000000 st a sc b indx 6    u_int16_t
Type: unsigned short
[1856] l 00000000 st a sc b indx 5    u_int8_t
Type: unsigned char
[1857] l 00000008 st 7 sc b indx 5c    .4fake
End+1 symbol: 1861
[1858] l 00000000 st 9 sc b indx 2    quot
Type: int
[1859] l 00000020 st 9 sc b indx 2    rem
Type: int
[1860] l 00000000 st 8 sc b indx 58
First symbol: 1857
[1861] l 00000000 st a sc b indx 4d    div_t
Type: struct .4fake { ifd = 0, index = 1857 }
[1862] l 00000008 st 7 sc b indx 61    .5fake
End+1 symbol: 1866
[1863] l 00000000 st 9 sc b indx 9    quot
Type: long
[1864] l 00000020 st 9 sc b indx 9    rem
Type: long
[1865] l 00000000 st 8 sc b indx 5d
First symbol: 1862
[1866] l 00000000 st a sc b indx 50    ldiv_t
Type: struct .5fake { ifd = 0, index = 1862 }
[1867] l 00000000 st a sc b indx 27    __compar_fn_t
Type: func. ret.
[1868] l 00000000 st a sc b indx 27    comparison_fn_t
Type: func. ret.

```

```

[1869] l 00000040 st 7 sc b indx 77      stat
      End+1 symbol: 1888
[1870] l 00000000 st 9 sc b indx 4b      st_dev
      Type: short
[1871] l 00000020 st 9 sc b indx 3       st_ino
      Type: unsigned int
[1872] l 00000040 st 9 sc b indx 6       st_mode
      Type: unsigned short
[1873] l 00000050 st 9 sc b indx 6       st_nlink
      Type: unsigned short
[1874] l 00000060 st 9 sc b indx 6       st_uid
      Type: unsigned short
[1875] l 00000070 st 9 sc b indx 6       st_gid
      Type: unsigned short
[1876] l 00000080 st 9 sc b indx 4b      st_rdev
      Type: short
[1877] l 000000a0 st 9 sc b indx 9       st_size
      Type: long
[1878] l 000000c0 st 9 sc b indx 9       st_atime
      Type: long
[1879] l 000000e0 st 9 sc b indx 7       st_atime_usec
      Type: unsigned long
[1880] l 00000100 st 9 sc b indx 9       st_mtime
      Type: long
[1881] l 00000120 st 9 sc b indx 7       st_mtime_usec
      Type: unsigned long
[1882] l 00000140 st 9 sc b indx 9       st_ctime
      Type: long
[1883] l 00000160 st 9 sc b indx 7       st_ctime_usec
      Type: unsigned long
[1884] l 00000180 st 9 sc b indx 7       st_blksize
      Type: unsigned long
[1885] l 000001a0 st 9 sc b indx 7       st_blocks
      Type: unsigned long
[1886] l 000001c0 st 9 sc b indx 53      st_spare
      Type: array [2 {32 bits}] of long
[1887] l 00000000 st 8 sc b indx 64
      First symbol: 1869
[1888] l 00000010 st 7 sc b indx 7e      flock
      End+1 symbol: 1895
[1889] l 00000000 st 9 sc b indx 4b      l_type
      Type: short
[1890] l 00000010 st 9 sc b indx 4b      l_whence
      Type: short
[1891] l 00000020 st 9 sc b indx 9       l_start
      Type: long
[1892] l 00000040 st 9 sc b indx 9       l_len
      Type: long
[1893] l 00000060 st 9 sc b indx 2       l_pid
      Type: int
[1894] l 00000000 st 8 sc b indx 77
      First symbol: 1888
[1895] l 00000004 st 7 sc b indx 89      .6fake
      End+1 symbol: 1906
[1896] l 00000000 st 9 sc b indx 0       _PC_LINK_MAX
      Type: nil
[1897] l 00000001 st 9 sc b indx 0       _PC_MAX_CANON
      Type: nil
[1898] l 00000002 st 9 sc b indx 0       _PC_MAX_INPUT
      Type: nil
[1899] l 00000003 st 9 sc b indx 0       _PC_NAME_MAX
      Type: nil
[1900] l 00000004 st 9 sc b indx 0       _PC_PATH_MAX

```



```
Type: nil
[1901] l 00000005 st 9 sc b indx 0      _PC_PIPE_BUF
Type: nil
[1902] l 00000006 st 9 sc b indx 0      _PC_CHOWN_RESTRICTED
Type: nil
[1903] l 00000007 st 9 sc b indx 0      _PC_NO_TRUNC
Type: nil
[1904] l 00000008 st 9 sc b indx 0      _PC_VDISABLE
Type: nil
[1905] l 00000000 st 8 sc b indx 7e
      First symbol: 1895
[1906] l 00000004 st 7 sc b indx a6      .7fake
      End+1 symbol: 1935
[1907] l 00000000 st 9 sc b indx 0      _SC_ARG_MAX
Type: nil
[1908] l 00000001 st 9 sc b indx 0      _SC_CHILD_MAX
Type: nil
[1909] l 00000002 st 9 sc b indx 0      _SC_CLK_TCK
Type: nil
[1910] l 00000003 st 9 sc b indx 0      _SC_NGROUPS_MAX
Type: nil
[1911] l 00000004 st 9 sc b indx 0      _SC_OPEN_MAX
Type: nil
[1912] l 00000005 st 9 sc b indx 0      _SC_STREAM_MAX
Type: nil
[1913] l 00000006 st 9 sc b indx 0      _SC_TZNAME_MAX
Type: nil
[1914] l 00000007 st 9 sc b indx 0      _SC_JOB_CONTROL
Type: nil
[1915] l 00000008 st 9 sc b indx 0      _SC_SAVED_IDS
Type: nil
[1916] l 00000009 st 9 sc b indx 0      _SC_VERSION
Type: nil
[1917] l 0000000a st 9 sc b indx 0      _SC_PAGESIZE
Type: nil
[1918] l 0000000b st 9 sc b indx 0      _SC_BC_BASE_MAX
Type: nil
[1919] l 0000000c st 9 sc b indx 0      _SC_BC_DIM_MAX
Type: nil
[1920] l 0000000d st 9 sc b indx 0      _SC_BC_SCALE_MAX
Type: nil
[1921] l 0000000e st 9 sc b indx 0      _SC_BC_STRING_MAX
Type: nil
[1922] l 0000000f st 9 sc b indx 0      _SC_COLL_WEIGHTS_MAX
Type: nil
[1923] l 00000010 st 9 sc b indx 0      _SC_EQUIV_CLASS_MAX
Type: nil
[1924] l 00000011 st 9 sc b indx 0      _SC_EXPR_NEST_MAX
Type: nil
[1925] l 00000012 st 9 sc b indx 0      _SC_LINE_MAX
Type: nil
[1926] l 00000013 st 9 sc b indx 0      _SC_RE_DUP_MAX
Type: nil
[1927] l 00000014 st 9 sc b indx 0      _SC_2_VERSION
Type: nil
[1928] l 00000015 st 9 sc b indx 0      _SC_2_C_BIND
Type: nil
[1929] l 00000016 st 9 sc b indx 0      _SC_2_C_DEV
Type: nil
[1930] l 00000017 st 9 sc b indx 0      _SC_2_FORT_DEV
Type: nil
[1931] l 00000018 st 9 sc b indx 0      _SC_2_FORT_RUN
Type: nil
```

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[1932] l 00000019 st 9 sc b indx 0      _SC_2_SW_DEV
      Type: nil
[1933] l 0000001a st 9 sc b indx 0      _SC_2_LOCALEDEF
      Type: nil
[1934] l 00000000 st 8 sc b indx 89
      First symbol: 1906
[1935] l 00000004 st 7 sc b indx a9      .8fake
      End+1 symbol: 1938
[1936] l 00000000 st 9 sc b indx 0      _CS_PATH
      Type: nil
[1937] l 00000000 st 8 sc b indx a6
      First symbol: 1935
[1938] l 004046c0 st 6 sc 1 indx 59      __stdio_read
      End+1 symbol: 1943      Type: int
[1939] l 00000004 st 3 sc 4 indx 2e      cookie
      Type: ptr to int
[1940] l 00000005 st 3 sc 4 indx 4      buf
      Type: ptr to char
[1941] l 00000006 st 3 sc 4 indx 3      n
      Type: unsigned int
[1942] l 00000030 st 8 sc 1 indx a9      __stdio_read
      First symbol: 1938
[1943] l 004046f0 st 6 sc 1 indx 5b      __stdio_write
      End+1 symbol: 1950      Type: int
[1944] l 00000004 st 3 sc 4 indx 2e      cookie
      Type: ptr to int
[1945] l 00000005 st 3 sc 4 indx 4      buf
      Type: ptr to char
[1946] l 00000006 st 3 sc 4 indx 3      n
      Type: unsigned int
[1947] l 00000058 st 7 sc 1 indx b4      $Lb0
      End+1 symbol: 1949
[1948] l 000000b0 st 8 sc 1 indx b2      $Lb0
      First symbol: 1947
[1949] l 000000f8 st 8 sc 1 indx ae      __stdio_write
      First symbol: 1943
[1950] l 004047e8 st 6 sc 1 indx 5e      __stdio_seek
      End+1 symbol: 1955      Type: int
[1951] l 00000004 st 3 sc 4 indx 2e      cookie
      Type: ptr to int
[1952] l 00000005 st 3 sc 4 indx 5d      pos
      Type: ptr to long
[1953] l 00000006 st 3 sc 4 indx 2      whence
      Type: int
[1954] l 00000078 st 8 sc 1 indx b5      __stdio_seek
      First symbol: 1950
[1955] l 00404860 st 6 sc 1 indx 60      __stdio_close
      End+1 symbol: 1958      Type: int
[1956] l 00000004 st 3 sc 4 indx 2e      cookie
      Type: ptr to int
[1957] l 00000030 st 8 sc 1 indx ba      __stdio_close
      First symbol: 1955
[1958] l 00404890 st 6 sc 1 indx 62      __stdio_fileno
      End+1 symbol: 1961      Type: int
[1959] l 00000004 st 3 sc 4 indx 2e      cookie
      Type: ptr to int
[1960] l 00000010 st 8 sc 1 indx bd      __stdio_fileno
      First symbol: 1958
[1961] l 004048a0 st 6 sc 1 indx 68      __stdio_open
      End+1 symbol: 1966      Type: int
[1962] l 00000004 st 3 sc 4 indx 4      filename
      Type: ptr to char
[1963] l 00000005 st 3 sc 4 indx 64      m

```

```

Type: struct .lfake { ifd = 0, index = 1802 }
[1964] l 00000006 st 3 sc 4 indx 67      cookieptr
Type: ptr to ptr to int
[1965] l 00000128 st 8 sc 1 indx c0      __stdio_open
First symbol: 1961
[1966] l 004049c8 st 6 sc 1 indx 73      __stdio_reopen
End+1 symbol: 1991      Type: int
[1967] l 00000011 st 3 sc 4 indx 4      filename
Type: ptr to char
[1968] l 00000010 st 3 sc 4 indx 6a      m
Type: struct .lfake { ifd = 0, index = 1802 }
[1969] l 00000012 st 3 sc 4 indx 67      cookieptr
Type: ptr to ptr to int
[1970] l 00000014 st 3 sc 4 indx 27      closefn
Type: func. ret.
[1971] l ffffffff0 st 4 sc 5 indx 2e      newcookie
Type: ptr to int
[1972] l 00000000 st 7 sc 1 indx d4      $Lb2
End+1 symbol: 1981
[1973] l 00000011 st 4 sc 4 indx 4      filename
Type: ptr to char
[1974] l 00000010 st 4 sc 4 indx 6d      m
Type: struct .lfake { ifd = 0, index = 1802 }
[1975] l 00000013 st 4 sc 4 indx 67      cookieptr
Type: ptr to ptr to int
[1976] l 00000000 st 7 sc 1 indx d3      $Lb3
End+1 symbol: 1980
[1977] l 00000005 st 4 sc 4 indx 2      mode
Type: int
[1978] l 00000002 st 4 sc 4 indx 2      fd
Type: int
[1979] l 00000150 st 8 sc 1 indx cf      $Lb3
First symbol: 1976
[1980] l 00000150 st 8 sc 1 indx cb      $Lb2
First symbol: 1972
[1981] l 00000178 st 7 sc 1 indx dd      $Lb6
End+1 symbol: 1990
[1982] l 00000011 st 4 sc 4 indx 4      filename
Type: ptr to char
[1983] l 00000010 st 4 sc 4 indx 70      m
Type: struct .lfake { ifd = 0, index = 1802 }
[1984] l 00000013 st 4 sc 4 indx 67      cookieptr
Type: ptr to ptr to int
[1985] l 00000178 st 7 sc 1 indx dc      $Lb7
End+1 symbol: 1989
[1986] l 00000005 st 4 sc 4 indx 2      mode
Type: int
[1987] l 00000002 st 4 sc 4 indx 2      fd
Type: int
[1988] l 00000280 st 8 sc 1 indx d8      $Lb7
First symbol: 1985
[1989] l 00000280 st 8 sc 1 indx d4      $Lb6
First symbol: 1981
[1990] l 00000330 st 8 sc 1 indx c5      __stdio_reopen
First symbol: 1966
[1991] l 004046c0 st 5 sc 1 indx fffff gcc2_compiled.
[1992] l 004046c0 st 5 sc 1 indx fffff __gnu_compiled_c
[1993] l 004047a8 st 5 sc 1 indx fffff $L33
[1994] l 00404748 st 5 sc 1 indx fffff $L34
[1995] l 00404788 st 5 sc 1 indx fffff $L35
[1996] l 004047a0 st 5 sc 1 indx fffff $L32
[1997] l 004047b0 st 5 sc 1 indx fffff $L39
[1998] l 00404838 st 5 sc 1 indx fffff $L43

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[1999] 1 00404840 st 5 sc 1 indx ffffff $L44
[2000] 1 004048f0 st 5 sc 1 indx ffffff $L59
[2001] 1 00404900 st 5 sc 1 indx ffffff $L60
[2002] 1 00404918 st 5 sc 1 indx ffffff $L61
[2003] 1 00404930 st 5 sc 1 indx ffffff $L62
[2004] 1 00404948 st 5 sc 1 indx ffffff $L63
[2005] 1 00404978 st 5 sc 1 indx ffffff $L64
[2006] 1 00404980 st 5 sc 1 indx ffffff $L65
[2007] 1 004049a0 st 5 sc 1 indx ffffff $L66
[2008] 1 004049a8 st 5 sc 1 indx ffffff $L67
[2009] 1 00404a50 st 5 sc 1 indx ffffff $L71
[2010] 1 00404a60 st 5 sc 1 indx ffffff $L72
[2011] 1 00404a78 st 5 sc 1 indx ffffff $L73
[2012] 1 00404a90 st 5 sc 1 indx ffffff $L74
[2013] 1 00404aa8 st 5 sc 1 indx ffffff $L75
[2014] 1 00404ae0 st 5 sc 1 indx ffffff $L76
[2015] 1 00404af0 st 5 sc 1 indx ffffff $L77
[2016] 1 00404b08 st 5 sc 1 indx ffffff $L78
[2017] 1 00404b18 st 5 sc 1 indx ffffff $L70
[2018] 1 00404c60 st 5 sc 1 indx ffffff $L69
[2019] 1 00404b80 st 5 sc 1 indx ffffff $L82
[2020] 1 00404b90 st 5 sc 1 indx ffffff $L83
[2021] 1 00404ba8 st 5 sc 1 indx ffffff $L84
[2022] 1 00404bc0 st 5 sc 1 indx ffffff $L85
[2023] 1 00404bd8 st 5 sc 1 indx ffffff $L86
[2024] 1 00404c10 st 5 sc 1 indx ffffff $L87
[2025] 1 00404c20 st 5 sc 1 indx ffffff $L88
[2026] 1 00404c38 st 5 sc 1 indx ffffff $L89
[2027] 1 00404c48 st 5 sc 1 indx ffffff $L81
[2028] 1 00404cb8 st 5 sc 1 indx ffffff $L93
[2029] 1 00404cb0 st 5 sc 1 indx ffffff $L90
[2030] 1 00404ca0 st 5 sc 1 indx ffffff $L92
[2031] 1 00000000 st 8 sc 1 indx 0      ../sysdeps/generic/sysd-stdio.c
      First symbol: 1769
[2032] 1 00000000 st b sc 1 indx 9      ../sysdeps/generic/__sbrk.c
      End+1 symbol: 2041
[2033] 1 00404d00 st 6 sc 1 indx 2      __sbrk
      End+1 symbol: 2036      Type: ptr to int
[2034] 1 00000004 st 3 sc 4 indx 1      increment
      Type: int
[2035] 1 00000088 st 8 sc 1 indx 1      __sbrk
      First symbol: 2033
[2036] 1 00404d00 st 5 sc 1 indx ffffff gcc2_compiled.
[2037] 1 00404d00 st 5 sc 1 indx ffffff __gnu_compiled_c
[2038] 1 00404d30 st 5 sc 1 indx ffffff $L5
[2039] 1 00404d68 st 5 sc 1 indx ffffff $L7
[2040] 1 00000000 st 8 sc 1 indx 0      ../sysdeps/generic/__sbrk.c
      First symbol: 2032
[2041] 1 00000000 st b sc 1 indx 53     ../sysdeps/generic/wordcopy.c
      End+1 symbol: 2124
[2042] 1 00000000 st a sc b indx 1      ptrdiff_t
      Type: int
[2043] 1 00000000 st a sc b indx 2      size_t
      Type: unsigned int
[2044] 1 00000000 st a sc b indx 1      wchar_t
      Type: int
[2045] 1 00000000 st a sc b indx 3      __long_double_t
      Type: double
[2046] 1 00000000 st a sc b indx 4      byte
      Type: unsigned char
[2047] 1 00404d90 st 6 sc 1 indx 7      _wordcopy_fwd_aligned
      End+1 symbol: 2062      Type: int
[2048] 1 00000004 st 3 sc 4 indx 5      dstp

```

```

Type: long
[2049] 1 00000005 st 3 sc 4 indx 5      srcp
Type: long
[2050] 1 00000006 st 3 sc 4 indx 2      len
Type: unsigned int
[2051] 1 00000002 st 4 sc 4 indx 6      a0
Type: unsigned long
[2052] 1 00000003 st 4 sc 4 indx 6      a1
Type: unsigned long
[2053] 1 00404ef0 st 5 sc 1 indx 0      do8
[2054] 1 00404f00 st 5 sc 1 indx 0      do7
[2055] 1 00404f10 st 5 sc 1 indx 0      do6
[2056] 1 00404f20 st 5 sc 1 indx 0      do5
[2057] 1 00404f30 st 5 sc 1 indx 0      do4
[2058] 1 00404f40 st 5 sc 1 indx 0      do3
[2059] 1 00404f50 st 5 sc 1 indx 0      do2
[2060] 1 00404f60 st 5 sc 1 indx 0      do1
[2061] 1 00000210 st 8 sc 1 indx 6      _wordcopy_fwd_aligned
First symbol: 2047
[2062] 1 00404fa0 st 6 sc 1 indx 9      _wordcopy_fwd_dest_aligned
End+1 symbol: 2071      Type: int
[2063] 1 00000004 st 3 sc 4 indx 5      dstp
Type: long
[2064] 1 00000005 st 3 sc 4 indx 5      srcp
Type: long
[2065] 1 00000006 st 3 sc 4 indx 2      len
Type: unsigned int
[2066] 1 004050b8 st 5 sc 1 indx 0      do4
[2067] 1 004050e0 st 5 sc 1 indx 0      do3
[2068] 1 00405108 st 5 sc 1 indx 0      do2
[2069] 1 00405130 st 5 sc 1 indx 0      do1
[2070] 1 00000200 st 8 sc 1 indx 15     _wordcopy_fwd_dest_aligned
First symbol: 2062
[2071] 1 004051a0 st 6 sc 1 indx b      _wordcopy_bwd_aligned
End+1 symbol: 2086      Type: int
[2072] 1 00000004 st 3 sc 4 indx 5      dstp
Type: long
[2073] 1 00000005 st 3 sc 4 indx 5      srcp
Type: long
[2074] 1 00000006 st 3 sc 4 indx 2      len
Type: unsigned int
[2075] 1 00000002 st 4 sc 4 indx 6      a0
Type: unsigned long
[2076] 1 00000003 st 4 sc 4 indx 6      a1
Type: unsigned long
[2077] 1 00405310 st 5 sc 1 indx 0      do8
[2078] 1 00405320 st 5 sc 1 indx 0      do7
[2079] 1 00405330 st 5 sc 1 indx 0      do6
[2080] 1 00405340 st 5 sc 1 indx 0      do5
[2081] 1 00405350 st 5 sc 1 indx 0      do4
[2082] 1 00405360 st 5 sc 1 indx 0      do3
[2083] 1 00405370 st 5 sc 1 indx 0      do2
[2084] 1 00405380 st 5 sc 1 indx 0      do1
[2085] 1 00000220 st 8 sc 1 indx 1e     _wordcopy_bwd_aligned
First symbol: 2071
[2086] 1 004053c0 st 6 sc 1 indx d      _wordcopy_bwd_dest_aligned
End+1 symbol: 2095      Type: int
[2087] 1 00000004 st 3 sc 4 indx 5      dstp
Type: long
[2088] 1 00000005 st 3 sc 4 indx 5      srcp
Type: long
[2089] 1 00000006 st 3 sc 4 indx 2      len
Type: unsigned int
```

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[2090] 1 004054f0 st 5 sc 1 indx 0 do4
[2091] 1 00405518 st 5 sc 1 indx 0 do3
[2092] 1 00405540 st 5 sc 1 indx 0 do2
[2093] 1 00405568 st 5 sc 1 indx 0 dol
[2094] 1 00000218 st 8 sc 1 indx 2d _wordcopy_bwd_dest_aligned
      First symbol: 2086
[2095] 1 00404d90 st 5 sc 1 indx fffff gcc2_compiled.
[2096] 1 00404d90 st 5 sc 1 indx fffff __gnu_compiled_c
[2097] 1 10000020 st 2 sc f indx fffff $L22
[2098] 1 00404ec0 st 5 sc 1 indx fffff $L16
[2099] 1 00404ed8 st 5 sc 1 indx fffff $L18
[2100] 1 00404dd0 st 5 sc 1 indx fffff $L3
[2101] 1 00404df8 st 5 sc 1 indx fffff $L5
[2102] 1 00404e20 st 5 sc 1 indx fffff $L7
[2103] 1 00404e48 st 5 sc 1 indx fffff $L9
[2104] 1 00404e70 st 5 sc 1 indx fffff $L11
[2105] 1 00404e98 st 5 sc 1 indx fffff $L13
[2106] 1 00405098 st 5 sc 1 indx fffff $L56
[2107] 1 00405070 st 5 sc 1 indx fffff $L54
[2108] 1 00405018 st 5 sc 1 indx fffff $L49
[2109] 1 00405048 st 5 sc 1 indx fffff $L51
[2110] 1 10000040 st 2 sc f indx fffff $L87
[2111] 1 004052d0 st 5 sc 1 indx fffff $L81
[2112] 1 004052f0 st 5 sc 1 indx fffff $L83
[2113] 1 004051e0 st 5 sc 1 indx fffff $L68
[2114] 1 00405208 st 5 sc 1 indx fffff $L70
[2115] 1 00405230 st 5 sc 1 indx fffff $L72
[2116] 1 00405258 st 5 sc 1 indx fffff $L74
[2117] 1 00405280 st 5 sc 1 indx fffff $L76
[2118] 1 004052a8 st 5 sc 1 indx fffff $L78
[2119] 1 004054c8 st 5 sc 1 indx fffff $L121
[2120] 1 004054a0 st 5 sc 1 indx fffff $L119
[2121] 1 00405440 st 5 sc 1 indx fffff $L114
[2122] 1 00405470 st 5 sc 1 indx fffff $L116
[2123] 1 00000000 st 8 sc 1 indx 0 ../sysdeps/generic/wordcopy.c
      First symbol: 2041
[2124] 1 00000000 st b sc 1 indx 9e ../sysdeps/posix/stdio_init.c
      End+1 symbol: 2282
[2125] 1 00000000 st a sc b indx 1 __long_double_t
      Type: double
[2126] 1 00000000 st a sc b indx 2 size_t
      Type: unsigned int
[2127] 1 00000000 st a sc b indx 3 __gnuc_va_list
      Type: ptr to char
[2128] 1 00000000 st a sc b indx 4 __u_char
      Type: unsigned char
[2129] 1 00000000 st a sc b indx 5 __u_short
      Type: unsigned short
[2130] 1 00000000 st a sc b indx 2 __u_int
      Type: unsigned int
[2131] 1 00000000 st a sc b indx 6 __u_long
      Type: unsigned long
[2132] 1 00000000 st a sc b indx 0 __u_quad_t
      Type: nil
[2133] 1 00000000 st a sc b indx 0 __quad_t
      Type: nil
[2134] 1 00000000 st a sc b indx 7 __qaddr_t
      Type: ptr to nil
[2135] 1 00000000 st a sc b indx 8 __dev_t
      Type: int
[2136] 1 00000000 st a sc b indx 2 __uid_t
      Type: unsigned int
[2137] 1 00000000 st a sc b indx 2 __gid_t

```

```

Type: unsigned int
[2138] l 00000000 st a sc b indx 2      __ino_t
Type: unsigned int
[2139] l 00000000 st a sc b indx 2      __mode_t
Type: unsigned int
[2140] l 00000000 st a sc b indx 5      __nlink_t
Type: unsigned short
[2141] l 00000000 st a sc b indx 9      __off_t
Type: long
[2142] l 00000000 st a sc b indx 8      __pid_t
Type: int
[2143] l 00000000 st a sc b indx 8      __ssize_t
Type: int
[2144] l 00000000 st a sc b indx 0      __fsid_t
Type: nil
[2145] l 00000000 st a sc b indx 9      __daddr_t
Type: long
[2146] l 00000000 st a sc b indx 3      __caddr_t
Type: ptr to char
[2147] l 00000000 st a sc b indx 9      __time_t
Type: long
[2148] l 00000000 st a sc b indx 9      __swblk_t
Type: long
[2149] l 00000020 st 7 sc b indx 1c      .0fake
End+1 symbol: 2152
[2150] l 00000000 st 9 sc b indx a      fds_bits
Type: array [8 {32 bits}] of unsigned long
[2151] l 00000000 st 8 sc b indx 19
First symbol: 2149
[2152] l 00000000 st a sc b indx 10      __fd_set
Type: struct .0fake { ifd = 0, index = 2149 }
[2153] l 00000000 st a sc b indx 13      FILE
Type: struct __stdio_file { ifd = 0, index = 2178 }
[2154] l 00000000 st a sc b indx 9      fpos_t
Type: long
[2155] l 00000004 st 7 sc b indx 28      .1fake
End+1 symbol: 2164
[2156] l 00000000 st 9 sc 8 indx 16      __read
Type: unsigned int : 1
[2157] l 00000001 st 9 sc 8 indx 18      __write
Type: unsigned int : 1
[2158] l 00000002 st 9 sc 8 indx 1a      __append
Type: unsigned int : 1
[2159] l 00000003 st 9 sc 8 indx 1c      __binary
Type: unsigned int : 1
[2160] l 00000004 st 9 sc 8 indx 1e      __create
Type: unsigned int : 1
[2161] l 00000005 st 9 sc 8 indx 20      __exclusive
Type: unsigned int : 1
[2162] l 00000006 st 9 sc 8 indx 22      __truncate
Type: unsigned int : 1
[2163] l 00000000 st 8 sc b indx 1f
First symbol: 2155
[2164] l 00000000 st a sc b indx 24      __io_mode
Type: struct .1fake { ifd = 0, index = 2155 }
[2165] l 00000014 st 7 sc b indx 30      .2fake
End+1 symbol: 2172
[2166] l 00000000 st 9 sc b indx 27      __read
Type: func. ret.
[2167] l 00000020 st 9 sc b indx 27      __write
Type: func. ret.
[2168] l 00000040 st 9 sc b indx 27      __seek
Type: func. ret.

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```

[2169] l 00000060 st 9 sc b indx 27      __close
      Type: func. ret.
[2170] l 00000080 st 9 sc b indx 27      __fileno
      Type: func. ret.
[2171] l 00000000 st 8 sc b indx 29
      First symbol: 2165
[2172] l 00000000 st a sc b indx 28      __io_functions
      Type: struct .2fake { ifd = 0, index = 2165 }
[2173] l 00000008 st 7 sc b indx 35      .3fake
      End+1 symbol: 2177
[2174] l 00000000 st 9 sc b indx 27      __input
      Type: func. ret.
[2175] l 00000020 st 9 sc b indx 27      __output
      Type: func. ret.
[2176] l 00000000 st 8 sc b indx 31
      First symbol: 2173
[2177] l 00000000 st a sc b indx 2b      __room_functions
      Type: struct .3fake { ifd = 0, index = 2173 }
[2178] l 00000050 st 7 sc b indx 4f      __stdio_file
      End+1 symbol: 2203
[2179] l 00000000 st 9 sc b indx 8       __magic
      Type: int
[2180] l 00000020 st 9 sc b indx 3       __bufp
      Type: ptr to char
[2181] l 00000040 st 9 sc b indx 3       __get_limit
      Type: ptr to char
[2182] l 00000060 st 9 sc b indx 3       __put_limit
      Type: ptr to char
[2183] l 00000080 st 9 sc b indx 3       __buffer
      Type: ptr to char
[2184] l 000000a0 st 9 sc b indx 2       __bufsize
      Type: unsigned int
[2185] l 000000c0 st 9 sc b indx 2e      __cookie
      Type: ptr to int
[2186] l 000000e0 st 9 sc b indx 2f      __mode
      Type: struct .1fake { ifd = 0, index = 2155 }
[2187] l 00000100 st 9 sc b indx 32      __io_funcs
      Type: struct .2fake { ifd = 0, index = 2165 }
[2188] l 000001a0 st 9 sc b indx 35      __room_funcs
      Type: struct .3fake { ifd = 0, index = 2173 }
[2189] l 000001e0 st 9 sc b indx 9       __offset
      Type: long
[2190] l 00000200 st 9 sc b indx 9       __target
      Type: long
[2191] l 00000220 st 9 sc b indx 38      __next
      Type: ptr to struct __stdio_file { ifd = 0, index = 2178 }
[2192] l 00000240 st 9 sc b indx 3       __pushback_bufp
      Type: ptr to char
[2193] l 00000260 st 9 sc b indx 4       __pushback
      Type: unsigned char
[2194] l 00000268 st 9 sc 8 indx 3b      __pushed_back
      Type: unsigned int : 1
[2195] l 00000269 st 9 sc 8 indx 3d      __eof
      Type: unsigned int : 1
[2196] l 0000026a st 9 sc 8 indx 3f      __error
      Type: unsigned int : 1
[2197] l 0000026b st 9 sc 8 indx 41      __userbuf
      Type: unsigned int : 1
[2198] l 0000026c st 9 sc 8 indx 43      __linebuf
      Type: unsigned int : 1
[2199] l 0000026d st 9 sc 8 indx 45      __linebuf_active
      Type: unsigned int : 1
[2200] l 0000026e st 9 sc 8 indx 47      __seen

```



```

Type: unsigned int : 1
[2201] l 0000026f st 9 sc 8 indx 49      __ispipe
Type: unsigned int : 1
[2202] l 00000000 st 8 sc b indx 36
First symbol: 2178
[2203] l 00000000 st a sc b indx 9      time_t
Type: long
[2204] l 00000000 st a sc b indx 8      int32_t
Type: int
[2205] l 00000000 st a sc b indx 4b     int16_t
Type: short
[2206] l 00000000 st a sc b indx 4c     int8_t
Type: char
[2207] l 00000000 st a sc b indx 2      u_int32_t
Type: unsigned int
[2208] l 00000000 st a sc b indx 5      u_int16_t
Type: unsigned short
[2209] l 00000000 st a sc b indx 4      u_int8_t
Type: unsigned char
[2210] l 00000040 st 7 sc b indx 69     stat
End+1 symbol: 2229
[2211] l 00000000 st 9 sc b indx 4b     st_dev
Type: short
[2212] l 00000020 st 9 sc b indx 2      st_ino
Type: unsigned int
[2213] l 00000040 st 9 sc b indx 5      st_mode
Type: unsigned short
[2214] l 00000050 st 9 sc b indx 5      st_nlink
Type: unsigned short
[2215] l 00000060 st 9 sc b indx 5      st_uid
Type: unsigned short
[2216] l 00000070 st 9 sc b indx 5      st_gid
Type: unsigned short
[2217] l 00000080 st 9 sc b indx 4b     st_rdev
Type: short
[2218] l 000000a0 st 9 sc b indx 9      st_size
Type: long
[2219] l 000000c0 st 9 sc b indx 9      st_atime
Type: long
[2220] l 000000e0 st 9 sc b indx 6      st_atime_usec
Type: unsigned long
[2221] l 00000100 st 9 sc b indx 9      st_mtime
Type: long
[2222] l 00000120 st 9 sc b indx 6      st_mtime_usec
Type: unsigned long
[2223] l 00000140 st 9 sc b indx 9      st_ctime
Type: long
[2224] l 00000160 st 9 sc b indx 6      st_ctime_usec
Type: unsigned long
[2225] l 00000180 st 9 sc b indx 6      st_blksize
Type: unsigned long
[2226] l 000001a0 st 9 sc b indx 6      st_blocks
Type: unsigned long
[2227] l 000001c0 st 9 sc b indx 4d     st_spare
Type: array [2 {32 bits}] of long
[2228] l 00000000 st 8 sc b indx 56
First symbol: 2210
[2229] l 00000004 st 7 sc b indx 74     .4fake
End+1 symbol: 2240
[2230] l 00000000 st 9 sc b indx 0      __PC_LINK_MAX
Type: nil
[2231] l 00000001 st 9 sc b indx 0      __PC_MAX_CANON
Type: nil

```

```
[2232] l 00000002 st 9 sc b indx 0    _PC_MAX_INPUT
      Type: nil
[2233] l 00000003 st 9 sc b indx 0    _PC_NAME_MAX
      Type: nil
[2234] l 00000004 st 9 sc b indx 0    _PC_PATH_MAX
      Type: nil
[2235] l 00000005 st 9 sc b indx 0    _PC_PIPE_BUF
      Type: nil
[2236] l 00000006 st 9 sc b indx 0    _PC_CHOWN_RESTRICTED
      Type: nil
[2237] l 00000007 st 9 sc b indx 0    _PC_NO_TRUNC
      Type: nil
[2238] l 00000008 st 9 sc b indx 0    _PC_VDISABLE
      Type: nil
[2239] l 00000000 st 8 sc b indx 69
      First symbol: 2229
[2240] l 00000004 st 7 sc b indx 91    .5fake
      End+1 symbol: 2269
[2241] l 00000000 st 9 sc b indx 0    _SC_ARG_MAX
      Type: nil
[2242] l 00000001 st 9 sc b indx 0    _SC_CHILD_MAX
      Type: nil
[2243] l 00000002 st 9 sc b indx 0    _SC_CLK_TCK
      Type: nil
[2244] l 00000003 st 9 sc b indx 0    _SC_NGROUPS_MAX
      Type: nil
[2245] l 00000004 st 9 sc b indx 0    _SC_OPEN_MAX
      Type: nil
[2246] l 00000005 st 9 sc b indx 0    _SC_STREAM_MAX
      Type: nil
[2247] l 00000006 st 9 sc b indx 0    _SC_TZNAME_MAX
      Type: nil
[2248] l 00000007 st 9 sc b indx 0    _SC_JOB_CONTROL
      Type: nil
[2249] l 00000008 st 9 sc b indx 0    _SC_SAVED_IDS
      Type: nil
[2250] l 00000009 st 9 sc b indx 0    _SC_VERSION
      Type: nil
[2251] l 0000000a st 9 sc b indx 0    _SC_PAGESIZE
      Type: nil
[2252] l 0000000b st 9 sc b indx 0    _SC_BC_BASE_MAX
      Type: nil
[2253] l 0000000c st 9 sc b indx 0    _SC_BC_DIM_MAX
      Type: nil
[2254] l 0000000d st 9 sc b indx 0    _SC_BC_SCALE_MAX
      Type: nil
[2255] l 0000000e st 9 sc b indx 0    _SC_BC_STRING_MAX
      Type: nil
[2256] l 0000000f st 9 sc b indx 0    _SC_COLL_WEIGHTS_MAX
      Type: nil
[2257] l 00000010 st 9 sc b indx 0    _SC_EQUIV_CLASS_MAX
      Type: nil
[2258] l 00000011 st 9 sc b indx 0    _SC_EXPR_NEST_MAX
      Type: nil
[2259] l 00000012 st 9 sc b indx 0    _SC_LINE_MAX
      Type: nil
[2260] l 00000013 st 9 sc b indx 0    _SC_RE_DUP_MAX
      Type: nil
[2261] l 00000014 st 9 sc b indx 0    _SC_2_VERSION
      Type: nil
[2262] l 00000015 st 9 sc b indx 0    _SC_2_C_BIND
      Type: nil
[2263] l 00000016 st 9 sc b indx 0    _SC_2_C_DEV
```

```
Type: nil
[2264] l 00000017 st 9 sc b indx 0      _SC_2_FORT_DEV
Type: nil
[2265] l 00000018 st 9 sc b indx 0      _SC_2_FORT_RUN
Type: nil
[2266] l 00000019 st 9 sc b indx 0      _SC_2_SW_DEV
Type: nil
[2267] l 0000001a st 9 sc b indx 0      _SC_2_LOCALEDEF
Type: nil
[2268] l 00000000 st 8 sc b indx 74
      First symbol: 2240
[2269] l 00000004 st 7 sc b indx 94      .6fake
      End+1 symbol: 2272
[2270] l 00000000 st 9 sc b indx 0      _CS_PATH
Type: nil
[2271] l 00000000 st 8 sc b indx 91
      First symbol: 2269
[2272] l 004055e0 st 6 sc 1 indx 59      __stdio_init_stream
      End+1 symbol: 2276      Type: int
[2273] l 00000004 st 3 sc 4 indx 53      stream
      Type: ptr to struct __stdio_file { ifd = 0, index = 2178 }
[2274] l ffffffff b0 st 4 sc 5 indx 56      statb
      Type: struct stat { ifd = 0, index = 2210 }
[2275] l 00000138 st 8 sc 1 indx 94      __stdio_init_stream
      First symbol: 2272
[2276] l 004055e0 st 5 sc 1 indx fffff gcc2_compiled.
[2277] l 004055e0 st 5 sc 1 indx fffff __gnu_compiled_c
[2278] l 004056f0 st 5 sc 1 indx fffff $L20
[2279] l 00405698 st 5 sc 1 indx fffff $L24
[2280] l 004056e0 st 5 sc 1 indx fffff $L25
[2281] l 00000000 st 8 sc 1 indx 0      ../sysdeps/posix/stdio_init.c
      First symbol: 2124
[2282] l 00000000 st b sc 1 indx 3      /var/tmp/cca005IU.s
      End+1 symbol: 2285
[2283] l 00405750 st 5 sc 1 indx fffff sysel
[2284] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca005IU.s
      First symbol: 2282
[2285] l 00000000 st b sc 1 indx 3      /var/tmp/cca005Iu.s
      End+1 symbol: 2288
[2286] l 00405790 st 5 sc 1 indx fffff sysel
[2287] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca005Iu.s
      First symbol: 2285
[2288] l 00000000 st b sc 1 indx 3      /var/tmp/cca005IA.s
      End+1 symbol: 2291
[2289] l 004057d0 st 5 sc 1 indx fffff sysel
[2290] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca005IA.s
      First symbol: 2288
[2291] l 00000000 st b sc 1 indx 3      /var/tmp/cca005HU.s
      End+1 symbol: 2294
[2292] l 00405810 st 5 sc 1 indx fffff sysel
[2293] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca005HU.s
      First symbol: 2291
[2294] l 00000000 st b sc 1 indx 3      /var/tmp/cca005IM.s
      End+1 symbol: 2297
[2295] l 00405850 st 5 sc 1 indx fffff sysel
[2296] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca005IM.s
      First symbol: 2294
[2297] l 00000000 st b sc 1 indx 3      /var/tmp/cca005Ha.s
      End+1 symbol: 2300
[2298] l 00405890 st 5 sc 1 indx fffff sysel
[2299] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca005Ha.s
      First symbol: 2297
[2300] l 00000000 st b sc 1 indx 4      /var/tmp/cca005Ze.s
```

```

End+1 symbol: 2304
[2301] l 004058c0 st 5 sc 1 indx fffff down1
[2302] l 004058f0 st 5 sc 1 indx fffff error
[2303] l 00000000 st 8 sc 1 indx 0 /var/tmp/cca005Ze.s
First symbol: 2300
[2304] l 00000000 st b sc 1 indx 3 /var/tmp/cca005Hv.s
End+1 symbol: 2307
[2305] l 00405930 st 5 sc 1 indx fffff sysel
[2306] l 00000000 st 8 sc 1 indx 0 /var/tmp/cca005Hv.s
First symbol: 2304
[2307] l 00000000 st b sc 1 indx 6b ../sysdeps/unix/bsd/__isatty.c
End+1 symbol: 2414
[2308] l 00000000 st a sc b indx 1 __long_double_t
Type: double
[2309] l 00000000 st a sc b indx 2 __u_char
Type: unsigned char
[2310] l 00000000 st a sc b indx 3 __u_short
Type: unsigned short
[2311] l 00000000 st a sc b indx 4 __u_int
Type: unsigned int
[2312] l 00000000 st a sc b indx 5 __u_long
Type: unsigned long
[2313] l 00000000 st a sc b indx 0 __u_quad_t
Type: nil
[2314] l 00000000 st a sc b indx 0 __quad_t
Type: nil
[2315] l 00000000 st a sc b indx 6 __qaddr_t
Type: ptr to nil
[2316] l 00000000 st a sc b indx 7 __dev_t
Type: int
[2317] l 00000000 st a sc b indx 4 __uid_t
Type: unsigned int
[2318] l 00000000 st a sc b indx 4 __gid_t
Type: unsigned int
[2319] l 00000000 st a sc b indx 4 __ino_t
Type: unsigned int
[2320] l 00000000 st a sc b indx 4 __mode_t
Type: unsigned int
[2321] l 00000000 st a sc b indx 3 __nlink_t
Type: unsigned short
[2322] l 00000000 st a sc b indx 8 __off_t
Type: long
[2323] l 00000000 st a sc b indx 7 __pid_t
Type: int
[2324] l 00000000 st a sc b indx 7 __ssize_t
Type: int
[2325] l 00000000 st a sc b indx 0 __fsid_t
Type: nil
[2326] l 00000000 st a sc b indx 8 __daddr_t
Type: long
[2327] l 00000000 st a sc b indx 9 __caddr_t
Type: ptr to char
[2328] l 00000000 st a sc b indx 8 __time_t
Type: long
[2329] l 00000000 st a sc b indx 8 __swblk_t
Type: long
[2330] l 00000020 st 7 sc b indx 1a .Ofake
End+1 symbol: 2333
[2331] l 00000000 st 9 sc b indx a fds_bits
Type: array [8 {32 bits}] of unsigned long
[2332] l 00000000 st 8 sc b indx 17
First symbol: 2330
[2333] l 00000000 st a sc b indx 10 __fd_set

```

```
    Type: struct .0fake { ifd = 0, index = 2330 }
[2334] l 00000000 st a sc b indx 4      size_t
    Type: unsigned int
[2335] l 00000004 st 7 sc b indx 27      .1fake
    End+1 symbol: 2346
[2336] l 00000000 st 9 sc b indx 0      _PC_LINK_MAX
    Type: nil
[2337] l 00000001 st 9 sc b indx 0      _PC_MAX_CANON
    Type: nil
[2338] l 00000002 st 9 sc b indx 0      _PC_MAX_INPUT
    Type: nil
[2339] l 00000003 st 9 sc b indx 0      _PC_NAME_MAX
    Type: nil
[2340] l 00000004 st 9 sc b indx 0      _PC_PATH_MAX
    Type: nil
[2341] l 00000005 st 9 sc b indx 0      _PC_PIPE_BUF
    Type: nil
[2342] l 00000006 st 9 sc b indx 0      _PC_CHOWN_RESTRICTED
    Type: nil
[2343] l 00000007 st 9 sc b indx 0      _PC_NO_TRUNC
    Type: nil
[2344] l 00000008 st 9 sc b indx 0      _PC_VDISABLE
    Type: nil
[2345] l 00000000 st 8 sc b indx 1c
    First symbol: 2335
[2346] l 00000004 st 7 sc b indx 44      .2fake
    End+1 symbol: 2375
[2347] l 00000000 st 9 sc b indx 0      _SC_ARG_MAX
    Type: nil
[2348] l 00000001 st 9 sc b indx 0      _SC_CHILD_MAX
    Type: nil
[2349] l 00000002 st 9 sc b indx 0      _SC_CLK_TCK
    Type: nil
[2350] l 00000003 st 9 sc b indx 0      _SC_NGROUPS_MAX
    Type: nil
[2351] l 00000004 st 9 sc b indx 0      _SC_OPEN_MAX
    Type: nil
[2352] l 00000005 st 9 sc b indx 0      _SC_STREAM_MAX
    Type: nil
[2353] l 00000006 st 9 sc b indx 0      _SC_TZNAME_MAX
    Type: nil
[2354] l 00000007 st 9 sc b indx 0      _SC_JOB_CONTROL
    Type: nil
[2355] l 00000008 st 9 sc b indx 0      _SC_SAVED_IDS
    Type: nil
[2356] l 00000009 st 9 sc b indx 0      _SC_VERSION
    Type: nil
[2357] l 0000000a st 9 sc b indx 0      _SC_PAGESIZE
    Type: nil
[2358] l 0000000b st 9 sc b indx 0      _SC_BC_BASE_MAX
    Type: nil
[2359] l 0000000c st 9 sc b indx 0      _SC_BC_DIM_MAX
    Type: nil
[2360] l 0000000d st 9 sc b indx 0      _SC_BC_SCALE_MAX
    Type: nil
[2361] l 0000000e st 9 sc b indx 0      _SC_BC_STRING_MAX
    Type: nil
[2362] l 0000000f st 9 sc b indx 0      _SC_COLL_WEIGHTS_MAX
    Type: nil
[2363] l 00000010 st 9 sc b indx 0      _SC_EQUIV_CLASS_MAX
    Type: nil
[2364] l 00000011 st 9 sc b indx 0      _SC_EXPR_NEST_MAX
    Type: nil
```

```

[2365] l 00000012 st 9 sc b indx 0    _SC_LINE_MAX
      Type: nil
[2366] l 00000013 st 9 sc b indx 0    _SC_RE_DUP_MAX
      Type: nil
[2367] l 00000014 st 9 sc b indx 0    _SC_2_VERSION
      Type: nil
[2368] l 00000015 st 9 sc b indx 0    _SC_2_C_BIND
      Type: nil
[2369] l 00000016 st 9 sc b indx 0    _SC_2_C_DEV
      Type: nil
[2370] l 00000017 st 9 sc b indx 0    _SC_2_FORT_DEV
      Type: nil
[2371] l 00000018 st 9 sc b indx 0    _SC_2_FORT_RUN
      Type: nil
[2372] l 00000019 st 9 sc b indx 0    _SC_2_SW_DEV
      Type: nil
[2373] l 0000001a st 9 sc b indx 0    _SC_2_LOCALEDEF
      Type: nil
[2374] l 00000000 st 8 sc b indx 27
      First symbol: 2346
[2375] l 00000004 st 7 sc b indx 47    .3fake
      End+1 symbol: 2378
[2376] l 00000000 st 9 sc b indx 0    _CS_PATH
      Type: nil
[2377] l 00000000 st 8 sc b indx 44
      First symbol: 2375
[2378] l 00000006 st 7 sc b indx 4f    tchars
      End+1 symbol: 2386
[2379] l 00000000 st 9 sc b indx 13    t_intrc
      Type: char
[2380] l 00000008 st 9 sc b indx 13    t_quitc
      Type: char
[2381] l 00000010 st 9 sc b indx 13    t_startc
      Type: char
[2382] l 00000018 st 9 sc b indx 13    t_stopc
      Type: char
[2383] l 00000020 st 9 sc b indx 13    t_eofc
      Type: char
[2384] l 00000028 st 9 sc b indx 13    t_brkc
      Type: char
[2385] l 00000000 st 8 sc b indx 47
      First symbol: 2378
[2386] l 00000006 st 7 sc b indx 57    ltchars
      End+1 symbol: 2394
[2387] l 00000000 st 9 sc b indx 13    t_suspc
      Type: char
[2388] l 00000008 st 9 sc b indx 13    t_dsuspc
      Type: char
[2389] l 00000010 st 9 sc b indx 13    t_rprntc
      Type: char
[2390] l 00000018 st 9 sc b indx 13    t_flushc
      Type: char
[2391] l 00000020 st 9 sc b indx 13    t_werasc
      Type: char
[2392] l 00000028 st 9 sc b indx 13    t_lnextc
      Type: char
[2393] l 00000000 st 8 sc b indx 4f
      First symbol: 2386
[2394] l 00000006 st 7 sc b indx 5e    sgttyb
      End+1 symbol: 2401
[2395] l 00000000 st 9 sc b indx 13    sg_ispeed
      Type: char
[2396] l 00000008 st 9 sc b indx 13    sg_ospeed

```

```

Type: char
[2397] l 00000010 st 9 sc b indx 13      sg_erase
Type: char
[2398] l 00000018 st 9 sc b indx 13      sg_kill
Type: char
[2399] l 00000020 st 9 sc b indx 14      sg_flags
Type: short
[2400] l 00000000 st 8 sc b indx 57
First symbol: 2394
[2401] l 00000008 st 7 sc b indx 64      winsize
End+1 symbol: 2407
[2402] l 00000000 st 9 sc b indx 3      ws_row
Type: unsigned short
[2403] l 00000010 st 9 sc b indx 3      ws_col
Type: unsigned short
[2404] l 00000020 st 9 sc b indx 3      ws_xpixel
Type: unsigned short
[2405] l 00000030 st 9 sc b indx 3      ws_ypixel
Type: unsigned short
[2406] l 00000000 st 8 sc b indx 5e
First symbol: 2401
[2407] l 00405940 st 6 sc 1 indx 18      __isatty
End+1 symbol: 2411      Type: int
[2408] l 00000004 st 3 sc 4 indx 7      fd
Type: int
[2409] l ffffffff st 4 sc 5 indx 15      term
Type: struct sgttyb { ifd = 0, index = 2394 }
[2410] l 00000070 st 8 sc 1 indx 64      __isatty
First symbol: 2407
[2411] l 00405940 st 5 sc 1 indx fffff gcc2_compiled.
[2412] l 00405940 st 5 sc 1 indx fffff __gnu_compiled_c
[2413] l 00000000 st 8 sc 1 indx 0      ../sysdeps/unix/bsd/__isatty.c
First symbol: 2307
[2414] l 00000000 st b sc 1 indx 3      /var/tmp/cca005Zn.s
End+1 symbol: 2417
[2415] l 004059e0 st 5 sc 1 indx fffff sysel
[2416] l 00000000 st 8 sc 1 indx 0      /var/tmp/cca005Zn.s
First symbol: 2414

```

Disassembly of section .text:

```

00400140 <__start>:
400140:      28 00 00 00      lw $16,0($29)
400144:      00 00 10 1d
400148:      a2 00 00 00      lui $28,4097
40014c:      01 10 1c 00
400150:      43 00 00 00      addiu $28,$28,-32032
400154:      e0 82 1c 1c
400158:      43 00 00 00      addiu $17,$29,4
40015c:      04 00 11 1d
400160:      43 00 00 00      addiu $3,$17,4
400164:      04 00 03 11
400168:      55 00 00 00      sll $2,$16,0x2
40016c:      02 02 10 00
400170:      42 00 00 00      addu $3,$3,$2
400174:      00 03 02 03
400178:      42 00 00 00      addu $18,$0,$3
40017c:      00 12 03 00
400180:      34 00 00 00      sw $18,-32588($28)
400184:      b4 80 12 1c
400188:      43 00 00 00      addiu $29,$29,-24
40018c:      e8 ff 1d 1d

```

```
400190:      42 00 00 00      addu $4,$0,$16
400194:      00 04 10 00
400198:      42 00 00 00      addu $5,$0,$17
40019c:      00 05 11 00
4001a0:      42 00 00 00      addu $6,$0,$18
4001a4:      00 06 12 00
4001a8:      02 00 00 00      jal 400570 <__libc_init>
4001ac:      5c 01 10 00
4001b0:      34 00 00 00      sw $0,-32592($28)
4001b4:      b0 80 00 1c
4001b8:      42 00 00 00      addu $4,$0,$16
4001bc:      00 04 10 00
4001c0:      42 00 00 00      addu $5,$0,$17
4001c4:      00 05 11 00
4001c8:      42 00 00 00      addu $6,$0,$18
4001cc:      00 06 12 00
4001d0:      02 00 00 00      jal 4001f0 <main>
4001d4:      7c 00 10 00
4001d8:      42 00 00 00      addu $4,$0,$2
4001dc:      00 04 02 00
4001e0:      02 00 00 00      jal 4005a0 <exit>
4001e4:      68 01 10 00
```

...

004001f0 <main>:

main():

mbql.c:1

```
4001f0:      43 00 00 00      addiu $29,$29,-32
4001f4:      e0 ff 1d 1d
4001f8:      34 00 00 00      sw $31,28($29)
4001fc:      1c 00 1f 1d
400200:      34 00 00 00      sw $30,24($29)
400204:      18 00 1e 1d
400208:      42 00 00 00      addu $30,$0,$29
40020c:      00 1e 1d 00
400210:      02 00 00 00      jal 400428 <__main>
400214:      0a 01 10 00
400218:      42 00 00 00      addu $3,$0,$0
40021c:      00 03 00 00
400220:      42 00 00 00      addu $4,$0,$0
400224:      00 04 00 00
400228:      42 00 00 00      addu $5,$0,$0
40022c:      00 05 00 00
400230:      43 00 00 00      addiu $3,$5,1
400234:      01 00 03 05
400238:      43 00 00 00      addiu $4,$3,1
40023c:      01 00 04 03
400240:      42 00 00 00      addu $2,$0,$0
400244:      00 02 00 00
400248:      01 00 00 00      j 400250 <main+0x60>
40024c:      94 00 10 00
400250:      42 00 00 00      addu $29,$0,$30
400254:      00 1d 1e 00
400258:      28 00 00 00      lw $31,28($29)
40025c:      1c 00 1f 1d
400260:      28 00 00 00      lw $30,24($29)
400264:      18 00 1e 1d
400268:      43 00 00 00      addiu $29,$29,32
40026c:      20 00 1d 1d
400270:      03 00 00 00      jr $31
400274:      00 00 00 1f
```

...

00400280 <__do_global_dtors>:

__do_global_dtors():

```
400280: 43 00 00 00    addiu $29,$29,-24
400284: e8 ff 1d 1d
400288: 34 00 00 00    sw $16,16($29)
40028c: 10 00 10 1d
400290: a2 00 00 00    lui $16,4096
400294: 00 10 10 00
400298: 43 00 00 00    addiu $16,$16,940
40029c: ac 03 10 10
4002a0: 34 00 00 00    sw $31,20($29)
4002a4: 14 00 1f 1d
4002a8: 28 00 00 00    lw $2,0($16)
4002ac: 00 00 02 10
4002b0: 05 00 00 00    beq $2,$0,4002e0 <__do_global_dtors+0x60>
4002b4: 0a 00 00 02
4002b8: 28 00 00 00    lw $2,0($16)
4002bc: 00 00 02 10
4002c0: 43 00 00 00    addiu $16,$16,4
4002c4: 04 00 10 10
4002c8: 04 00 00 00    jalr $31,$2
4002cc: 00 1f 00 02
4002d0: 28 00 00 00    lw $2,0($16)
4002d4: 00 00 02 10
4002d8: 06 00 00 00    bne $2,$0,4002b8 <__do_global_dtors+0x38>
4002dc: f6 ff 00 02
4002e0: 28 00 00 00    lw $31,20($29)
4002e4: 14 00 1f 1d
4002e8: 28 00 00 00    lw $16,16($29)
4002ec: 10 00 10 1d
4002f0: 43 00 00 00    addiu $29,$29,24
4002f4: 18 00 1d 1d
4002f8: 03 00 00 00    jr $31
4002fc: 00 00 00 1f
```

00400300 <__do_global_ctors>:

__do_global_ctors():

```
400300: 43 00 00 00    addiu $29,$29,-32
400304: e0 ff 1d 1d
400308: 34 00 00 00    sw $31,24($29)
40030c: 18 00 1f 1d
400310: 34 00 00 00    sw $17,20($29)
400314: 14 00 11 1d
400318: 34 00 00 00    sw $16,16($29)
40031c: 10 00 10 1d
400320: a2 00 00 00    lui $3,4096
400324: 00 10 03 00
400328: 43 00 00 00    addiu $3,$3,928
40032c: a0 03 03 03
400330: 28 00 00 00    lw $4,0($3)
400334: 00 00 04 03
400338: 43 00 00 00    addiu $2,$0,-1
40033c: ff ff 02 00
400340: 06 00 00 00    bne $4,$2,400390 <__do_global_ctors+0x90>
400344: 12 00 02 04
400348: a2 00 00 00    lui $2,4096
40034c: 00 10 02 00
400350: 28 00 00 00    lw $2,932($2)
400354: a4 03 02 02
400358: 42 00 00 00    addu $4,$0,$0
40035c: 00 04 00 00
400360: 05 00 00 00    beq $2,$0,400390 <__do_global_ctors+0x90>
400364: 0a 00 00 02
```

```

400368:      43 00 00 00      addiu $3,$3,4
40036c:      04 00 03 03
400370:      43 00 00 00      addiu $3,$3,4
400374:      04 00 03 03
400378:      28 00 00 00      lw $2,0($3)
40037c:      00 00 02 03
400380:      43 00 00 00      addiu $4,$4,1
400384:      01 00 04 04
400388:      06 00 00 00      bne $2,$0,400370 <__do_global_ctors+0x70>
40038c:      f8 ff 00 02
400390:      42 00 00 00      addu $17,$0,$4
400394:      00 11 04 00
400398:      05 00 00 00      beq $17,$0,4003e8 <__do_global_ctors+0xe8>
40039c:      12 00 00 11
4003a0:      a2 00 00 00      lui $3,4096
4003a4:      00 10 03 00
4003a8:      43 00 00 00      addiu $3,$3,928
4003ac:      a0 03 03 03
4003b0:      55 00 00 00      sll $2,$17,0x2
4003b4:      02 02 11 00
4003b8:      42 00 00 00      addu $16,$2,$3
4003bc:      00 10 03 02
4003c0:      28 00 00 00      lw $2,0($16)
4003c4:      00 00 02 10
4003c8:      43 00 00 00      addiu $17,$17,-1
4003cc:      ff ff 11 11
4003d0:      04 00 00 00      jalr $31,$2
4003d4:      00 1f 00 02
4003d8:      43 00 00 00      addiu $16,$16,-4
4003dc:      fc ff 10 10
4003e0:      06 00 00 00      bne $17,$0,4003c0 <__do_global_ctors+0xc0>
4003e4:      f6 ff 00 11
4003e8:      a2 00 00 00      lui $4,64
4003ec:      40 00 04 00
4003f0:      43 00 00 00      addiu $4,$4,640
4003f4:      80 02 04 04
4003f8:      02 00 00 00      jal 400740 <atexit>
4003fc:      d0 01 10 00
400400:      28 00 00 00      lw $31,24($29)
400404:      18 00 1f 1d
400408:      28 00 00 00      lw $17,20($29)
40040c:      14 00 11 1d
400410:      28 00 00 00      lw $16,16($29)
400414:      10 00 10 1d
400418:      43 00 00 00      addiu $29,$29,32
40041c:      20 00 1d 1d
400420:      03 00 00 00      jr $31
400424:      00 00 00 1f

```

00400428 <__main>:

```

__main():
400428:      28 00 00 00      lw $2,-32624($28)
40042c:      90 80 02 1c
400430:      43 00 00 00      addiu $29,$29,-32
400434:      e0 ff 1d 1d
400438:      34 00 00 00      sw $31,24($29)
40043c:      18 00 1f 1d
400440:      34 00 00 00      sw $17,20($29)
400444:      14 00 11 1d
400448:      34 00 00 00      sw $16,16($29)
40044c:      10 00 10 1d
400450:      06 00 00 00      bne $2,$0,400540 <__main+0x118>
400454:      3a 00 00 02

```

```
400458: 43 00 00 00      addiu $2,$0,1
40045c: 01 00 02 00
400460: 34 00 00 00      sw $2,-32624($28)
400464: 90 80 02 1c
400468: a2 00 00 00      lui $4,4096
40046c: 00 10 04 00
400470: 28 00 00 00      lw $4,928($4)
400474: a0 03 04 04
400478: 43 00 00 00      addiu $2,$0,-1
40047c: ff ff 02 00
400480: 06 00 00 00      bne $4,$2,4004d0 <__main+0xa8>
400484: 12 00 02 04
400488: a2 00 00 00      lui $3,4096
40048c: 00 10 03 00
400490: 43 00 00 00      addiu $3,$3,932
400494: a4 03 03 03
400498: 28 00 00 00      lw $2,0($3)
40049c: 00 00 02 03
4004a0: 42 00 00 00      addu $4,$0,$0
4004a4: 00 04 00 00
4004a8: 05 00 00 00      beq $2,$0,4004d0 <__main+0xa8>
4004ac: 08 00 00 02
4004b0: 43 00 00 00      addiu $3,$3,4
4004b4: 04 00 03 03
4004b8: 28 00 00 00      lw $2,0($3)
4004bc: 00 00 02 03
4004c0: 43 00 00 00      addiu $4,$4,1
4004c4: 01 00 04 04
4004c8: 06 00 00 00      bne $2,$0,4004b0 <__main+0x88>
4004cc: f8 ff 00 02
4004d0: 42 00 00 00      addu $17,$0,$4
4004d4: 00 11 04 00
4004d8: 05 00 00 00      beq $17,$0,400528 <__main+0x100>
4004dc: 12 00 00 11
4004e0: a2 00 00 00      lui $3,4096
4004e4: 00 10 03 00
4004e8: 43 00 00 00      addiu $3,$3,928
4004ec: a0 03 03 03
4004f0: 55 00 00 00      sll $2,$17,0x2
4004f4: 02 02 11 00
4004f8: 42 00 00 00      addu $16,$2,$3
4004fc: 00 10 03 02
400500: 28 00 00 00      lw $2,0($16)
400504: 00 00 02 10
400508: 43 00 00 00      addiu $17,$17,-1
40050c: ff ff 11 11
400510: 04 00 00 00      jalr $31,$2
400514: 00 1f 00 02
400518: 43 00 00 00      addiu $16,$16,-4
40051c: fc ff 10 10
400520: 06 00 00 00      bne $17,$0,400500 <__main+0xd8>
400524: f6 ff 00 11
400528: a2 00 00 00      lui $4,64
40052c: 40 00 04 00
400530: 43 00 00 00      addiu $4,$4,640
400534: 80 02 04 04
400538: 02 00 00 00      jal 400740 <atexit>
40053c: d0 01 10 00
400540: 28 00 00 00      lw $31,24($29)
400544: 18 00 1f 1d
400548: 28 00 00 00      lw $17,20($29)
40054c: 14 00 11 1d
400550: 28 00 00 00      lw $16,16($29)
```

```

400554:      10 00 10 1d
400558:      43 00 00 00      addiu $29,$29,32
40055c:      20 00 1d 1d
400560:      03 00 00 00      jr $31
400564:      00 00 00 1f
...

00400570 <__libc_init>:
__libc_init():
munch-init.c:27
400570:      43 00 00 00      addiu $29,$29,-24
400574:      e8 ff 1d 1d
400578:      34 00 00 00      sw $31,16($29)
40057c:      10 00 1f 1d
munch-init.c:28
400580:      02 00 00 00      jal 400950 <__init_misc>
400584:      54 02 10 00
400588:      28 00 00 00      lw $31,16($29)
40058c:      10 00 1f 1d
400590:      43 00 00 00      addiu $29,$29,24
400594:      18 00 1d 1d
400598:      03 00 00 00      jr $31
40059c:      00 00 00 1f

004005a0 <exit>:
exit():
exit.c:39
4005a0:      43 00 00 00      addiu $29,$29,-48
4005a4:      d0 ff 1d 1d
4005a8:      34 00 00 00      sw $18,24($29)
4005ac:      18 00 12 1d
exit.c:42
4005b0:      28 00 00 00      lw $18,-32736($28)
4005b4:      20 80 12 1c
exit.c:39
4005b8:      34 00 00 00      sw $19,28($29)
4005bc:      1c 00 13 1d
4005c0:      42 00 00 00      addu $19,$0,$4
4005c4:      00 13 04 00
4005c8:      34 00 00 00      sw $31,40($29)
4005cc:      28 00 1f 1d
4005d0:      34 00 00 00      sw $21,36($29)
4005d4:      24 00 15 1d
4005d8:      34 00 00 00      sw $20,32($29)
4005dc:      20 00 14 1d
4005e0:      34 00 00 00      sw $17,20($29)
4005e4:      14 00 11 1d
4005e8:      34 00 00 00      sw $16,16($29)
4005ec:      10 00 10 1d
exit.c:42
4005f0:      05 00 00 00      beq $18,$0,4006e0 <exit+0x140>
4005f4:      3a 00 00 12
4005f8:      43 00 00 00      addiu $21,$0,1
4005fc:      01 00 15 00
400600:      43 00 00 00      addiu $20,$0,2
400604:      02 00 14 00
exit.c:44
400608:      28 00 00 00      lw $16,4($18)
40060c:      04 00 10 12
exit.c:45
400610:      42 00 00 00      addu $2,$0,$16
400614:      00 02 10 00
400618:      43 00 00 00      addiu $16,$16,-1

```

```

40061c:    ff ff 10 10
400620:    05 00 00 00      beq $2,$0,4006d0 <exit+0x130>
400624:    2a 00 00 02
400628:    55 00 00 00      sll $2,$16,0x1
40062c:    01 02 10 00
400630:    42 00 00 00      addu $2,$2,$16
400634:    00 02 10 02
400638:    55 00 00 00      sll $2,$2,0x2
40063c:    02 02 02 00
400640:    43 00 00 00      addiu $17,$2,8
400644:    08 00 11 02
exit.c:47
400648:    42 00 00 00      addu $3,$18,$17
40064c:    00 03 11 12
exit.c:48
400650:    28 00 00 00      lw $2,0($3)
400654:    00 00 02 03
400658:    05 00 00 00      beq $2,$21,400678 <exit+0xd8>
40065c:    06 00 15 02
400660:    05 00 00 00      beq $2,$0,4006b0 <exit+0x110>
400664:    12 00 00 02
400668:    05 00 00 00      beq $2,$20,4006a0 <exit+0x100>
40066c:    0c 00 14 02
400670:    01 00 00 00      j 4006b0 <exit+0x110>
400674:    ac 01 10 00
exit.c:53
400678:    28 00 00 00      lw $2,4($3)
40067c:    04 00 02 03
400680:    28 00 00 00      lw $5,8($3)
400684:    08 00 05 03
400688:    42 00 00 00      addu $4,$0,$19
40068c:    00 04 13 00
400690:    04 00 00 00      jalr $31,$2
400694:    00 1f 00 02
exit.c:54
400698:    01 00 00 00      j 4006b0 <exit+0x110>
40069c:    ac 01 10 00
exit.c:56
4006a0:    28 00 00 00      lw $2,4($3)
4006a4:    04 00 02 03
4006a8:    04 00 00 00      jalr $31,$2
4006ac:    00 1f 00 02
exit.c:59
4006b0:    43 00 00 00      addiu $17,$17,-12
4006b4:    f4 ff 11 11
4006b8:    42 00 00 00      addu $2,$0,$16
4006bc:    00 02 10 00
4006c0:    43 00 00 00      addiu $16,$16,-1
4006c4:    ff ff 10 10
4006c8:    06 00 00 00      bne $2,$0,400648 <exit+0xa8>
4006cc:    de ff 00 02
exit.c:42
4006d0:    28 00 00 00      lw $18,0($18)
4006d4:    00 00 12 12
4006d8:    06 00 00 00      bne $18,$0,400608 <exit+0x68>
4006dc:    ca ff 00 12
exit.c:71
4006e0:    02 00 00 00      jal 4009e0 <_cleanup>
4006e4:    78 02 10 00
exit.c:75
4006e8:    42 00 00 00      addu $4,$0,$19
4006ec:    00 04 13 00
4006f0:    02 00 00 00      jal 400a30 <_exit>

```

```

4006f4:      8c 02 10 00
exit.c:76
4006f8:      28 00 00 00      lw $31,40($29)
4006fc:      28 00 1f 1d
400700:      28 00 00 00      lw $21,36($29)
400704:      24 00 15 1d
400708:      28 00 00 00      lw $20,32($29)
40070c:      20 00 14 1d
400710:      28 00 00 00      lw $19,28($29)
400714:      1c 00 13 1d
400718:      28 00 00 00      lw $18,24($29)
40071c:      18 00 12 1d
400720:      28 00 00 00      lw $17,20($29)
400724:      14 00 11 1d
400728:      28 00 00 00      lw $16,16($29)
40072c:      10 00 10 1d
400730:      43 00 00 00      addiu $29,$29,48
400734:      30 00 1d 1d
400738:      03 00 00 00      jr $31
40073c:      00 00 00 1f

00400740 <atexit>:
atexit():
atexit.c:27
400740:      43 00 00 00      addiu $29,$29,-24
400744:      e8 ff 1d 1d
400748:      34 00 00 00      sw $16,16($29)
40074c:      10 00 10 1d
400750:      42 00 00 00      addu $16,$0,$4
400754:      00 10 04 00
400758:      34 00 00 00      sw $31,20($29)
40075c:      14 00 1f 1d
atexit.c:28
400760:      02 00 00 00      jal 4007c8 <__new_exitfn>
400764:      f2 01 10 00
400768:      42 00 00 00      addu $4,$0,$2
40076c:      00 04 02 00
atexit.c:30
400770:      05 00 00 00      beq $4,$0,4007a0 <atexit+0x60>
400774:      0a 00 00 04
atexit.c:35
400778:      42 00 00 00      addu $2,$0,$0
40077c:      00 02 00 00
atexit.c:33
400780:      43 00 00 00      addiu $3,$0,2
400784:      02 00 03 00
400788:      34 00 00 00      sw $3,0($4)
40078c:      00 00 03 04
atexit.c:34
400790:      34 00 00 00      sw $16,4($4)
400794:      04 00 10 04
atexit.c:35
400798:      01 00 00 00      j 4007a8 <atexit+0x68>
40079c:      ea 01 10 00
atexit.c:31
4007a0:      43 00 00 00      addiu $2,$0,-1
4007a4:      ff ff 02 00
atexit.c:36
4007a8:      28 00 00 00      lw $31,20($29)
4007ac:      14 00 1f 1d
4007b0:      28 00 00 00      lw $16,16($29)
4007b4:      10 00 10 1d
4007b8:      43 00 00 00      addiu $29,$29,24

```

```

4007bc:      18 00 1d 1d
4007c0:      03 00 00 00      jr $31
4007c4:      00 00 00 1f

004007c8 <__new_exitfn>:
__new_exitfn():
atexit.c:47
4007c8:      28 00 00 00      lw $7,-32736($28)
4007cc:      20 80 07 1c

atexit.c:44
4007d0:      43 00 00 00      addiu $29,$29,-32
4007d4:      e0 ff 1d 1d
4007d8:      34 00 00 00      sw $31,24($29)
4007dc:      18 00 1f 1d

atexit.c:47
4007e0:      05 00 00 00      beq $7,$0,400880 <__new_exitfn+0xb8>
4007e4:      26 00 00 07

atexit.c:50
4007e8:      28 00 00 00      lw $2,4($7)
4007ec:      04 00 02 07
4007f0:      42 00 00 00      addu $4,$0,$0
4007f4:      00 04 00 00
4007f8:      05 00 00 00      beq $2,$0,400858 <__new_exitfn+0x90>
4007fc:      16 00 00 02
400800:      42 00 00 00      addu $8,$0,$2
400804:      00 08 02 00
400808:      42 00 00 00      addu $3,$0,$7
40080c:      00 03 07 00
400810:      42 00 00 00      addu $6,$0,$0
400814:      00 06 00 00

atexit.c:51
400818:      28 00 00 00      lw $2,8($3)
40081c:      08 00 02 03
400820:      42 00 00 00      addu $5,$0,$6
400824:      00 05 06 00
400828:      05 00 00 00      beq $2,$0,4008d8 <__new_exitfn+0x110>
40082c:      2a 00 00 02

atexit.c:50
400830:      43 00 00 00      addiu $3,$3,12
400834:      0c 00 03 03
400838:      43 00 00 00      addiu $6,$5,12
40083c:      0c 00 06 05
400840:      43 00 00 00      addiu $4,$4,1
400844:      01 00 04 04
400848:      5d 00 00 00      sltu $2,$4,$8
40084c:      00 02 08 04
400850:      06 00 00 00      bne $2,$0,400818 <__new_exitfn+0x50>
400854:      f0 ff 00 02

atexit.c:53
400858:      28 00 00 00      lw $3,4($7)
40085c:      04 00 03 07
400860:      5e 00 00 00      sltiu $2,$3,32
400864:      20 00 02 03
400868:      06 00 00 00      bne $2,$0,4008f0 <__new_exitfn+0x128>
40086c:      20 00 00 02

atexit.c:47
400870:      28 00 00 00      lw $7,0($7)
400874:      00 00 07 07
400878:      06 00 00 00      bne $7,$0,4007e8 <__new_exitfn+0x20>
40087c:      da ff 00 07

atexit.c:57
400880:      43 00 00 00      addiu $4,$0,392
400884:      88 01 04 00

```

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400888: 02 00 00 00    jal 400ff8 <malloc>
40088c: fe 03 10 00
400890: 42 00 00 00    addu $7,$0,$2
400894: 00 07 02 00
atexit.c:58
400898: 05 00 00 00    beq $7,$0,400930 <__new_exitfn+0x168>
40089c: 24 00 00 07
atexit.c:60
4008a0: 28 00 00 00    lw $4,-32736($28)
4008a4: 20 80 04 1c
atexit.c:64
4008a8: 43 00 00 00    addiu $2,$7,8
4008ac: 08 00 02 07
atexit.c:63
4008b0: 43 00 00 00    addiu $3,$0,1
4008b4: 01 00 03 00
4008b8: 34 00 00 00    sw $3,4($7)
4008bc: 04 00 03 07
atexit.c:60
4008c0: 34 00 00 00    sw $4,0($7)
4008c4: 00 00 04 07
atexit.c:61
4008c8: 34 00 00 00    sw $7,-32736($28)
4008cc: 20 80 07 1c
atexit.c:64
4008d0: 01 00 00 00    j 400938 <__new_exitfn+0x170>
4008d4: 4e 02 10 00
atexit.c:52
4008d8: 43 00 00 00    addiu $2,$6,8
4008dc: 08 00 02 06
4008e0: 42 00 00 00    addu $2,$7,$2
4008e4: 00 02 02 07
4008e8: 01 00 00 00    j 400938 <__new_exitfn+0x170>
4008ec: 4e 02 10 00
atexit.c:54
4008f0: 43 00 00 00    addiu $2,$3,1
4008f4: 01 00 02 03
4008f8: 34 00 00 00    sw $2,4($7)
4008fc: 04 00 02 07
400900: 55 00 00 00    sll $2,$3,0x1
400904: 01 02 03 00
400908: 42 00 00 00    addu $2,$2,$3
40090c: 00 02 03 02
400910: 55 00 00 00    sll $2,$2,0x2
400914: 02 02 02 00
400918: 43 00 00 00    addiu $2,$2,8
40091c: 08 00 02 02
400920: 42 00 00 00    addu $2,$7,$2
400924: 00 02 02 07
400928: 01 00 00 00    j 400938 <__new_exitfn+0x170>
40092c: 4e 02 10 00
atexit.c:59
400930: 42 00 00 00    addu $2,$0,$0
400934: 00 02 00 00
atexit.c:65
400938: 28 00 00 00    lw $31,24($29)
40093c: 18 00 1f 1d
400940: 43 00 00 00    addiu $29,$29,32
400944: 20 00 1d 1d
400948: 03 00 00 00    jr $31
40094c: 00 00 00 1f

```

00400950 <__init_misc>:


```

__init_misc():
init-misc.c:26
 400950:    43 00 00 00    addiu $29,$29,-24
 400954:    e8 ff 1d 1d
 400958:    34 00 00 00    sw $16,16($29)
 40095c:    10 00 10 1d
 400960:    42 00 00 00    addu $16,$0,$5
 400964:    00 10 05 00
 400968:    34 00 00 00    sw $31,20($29)
 40096c:    14 00 1f 1d

init-misc.c:30
 400970:    05 00 00 00    beq $16,$0,4009c0 <__init_misc+0x70>
 400974:    12 00 00 10
 400978:    28 00 00 00    lw $4,0($16)
 40097c:    00 00 04 10
 400980:    05 00 00 00    beq $4,$0,4009c0 <__init_misc+0x70>
 400984:    0e 00 00 04

init-misc.c:32
 400988:    43 00 00 00    addiu $5,$0,47
 40098c:    2f 00 05 00
 400990:    02 00 00 00    jal 401980 <strchr>
 400994:    60 06 10 00

init-misc.c:33
 400998:    06 00 00 00    bne $2,$0,4009b0 <__init_misc+0x60>
 40099c:    04 00 00 02

init-misc.c:34
 4009a0:    28 00 00 00    lw $2,0($16)
 4009a4:    00 00 02 10
 4009a8:    01 00 00 00    j 4009b8 <__init_misc+0x68>
 4009ac:    6e 02 10 00

init-misc.c:36
 4009b0:    43 00 00 00    addiu $2,$2,1
 4009b4:    01 00 02 02
 4009b8:    34 00 00 00    sw $2,-32716($28)
 4009bc:    34 80 02 1c

init-misc.c:38
 4009c0:    28 00 00 00    lw $31,20($29)
 4009c4:    14 00 1f 1d
 4009c8:    28 00 00 00    lw $16,16($29)
 4009cc:    10 00 10 1d
 4009d0:    43 00 00 00    addiu $29,$29,24
 4009d4:    18 00 1d 1d
 4009d8:    03 00 00 00    jr $31
 4009dc:    00 00 00 1f

004009e0 <_cleanup>:
_cleanup():
../sysdeps/posix/defs.c:69
 4009e0:    43 00 00 00    addiu $29,$29,-24
 4009e4:    e8 ff 1d 1d
 4009e8:    34 00 00 00    sw $31,16($29)
 4009ec:    10 00 1f 1d

../sysdeps/posix/defs.c:70
 4009f0:    42 00 00 00    addu $4,$0,$0
 4009f4:    00 04 00 00
 4009f8:    02 00 00 00    jal 401a30 <fclose>
 4009fc:    8c 06 10 00
 400a00:    28 00 00 00    lw $31,16($29)
 400a04:    10 00 1f 1d
 400a08:    43 00 00 00    addiu $29,$29,24
 400a0c:    18 00 1d 1d
 400a10:    03 00 00 00    jr $31
 400a14:    00 00 00 1f

```

```

...
400a20:    01 00 00 00      j 401cb0 <syscall_error>
400a24:    2c 07 10 00
...

00400a30 <_exit>:
400a30:    43 00 00 00      addiu $2,$0,1
400a34:    01 00 02 00
400a38:    a0 00 00 00      syscall
400a3c:    00 00 00 00
400a40:    06 00 00 00      bne $7,$0,400a20 <_cleanup+0x40>
400a44:    f6 ff 00 07
...

00400a50 <initialize>:
initialize():
malloc.c:92
400a50:    43 00 00 00      addiu $29,$29,-24
400a54:    e8 ff 1d 1d
400a58:    28 00 00 00      lw $3,-32688($28)
400a5c:    50 80 03 1c
400a60:    43 00 00 00      addiu $4,$0,12288
400a64:    00 30 04 00
malloc.c:93
400a68:    43 00 00 00      addiu $2,$0,1024
400a6c:    00 04 02 00
malloc.c:92
400a70:    34 00 00 00      sw $31,20($29)
400a74:    14 00 1f 1d
400a78:    34 00 00 00      sw $16,16($29)
400a7c:    10 00 10 1d
malloc.c:93
400a80:    34 00 00 00      sw $2,-32608($28)
400a84:    a0 80 02 1c
400a88:    04 00 00 00      jalr $31,$3
400a8c:    00 1f 00 03
400a90:    42 00 00 00      addu $16,$0,$2
400a94:    00 10 02 00
400a98:    4f 00 00 00      andi $2,$16,4095
400a9c:    ff 0f 02 10
400aa0:    05 00 00 00      beq $2,$0,400ad0 <initialize+0x80>
400aa4:    0a 00 00 02
400aa8:    43 00 00 00      addiu $4,$0,4096
400aac:    00 10 04 00
400ab0:    45 00 00 00      subu $4,$4,$2
400ab4:    00 04 02 04
400ab8:    28 00 00 00      lw $2,-32688($28)
400abc:    50 80 02 1c
400ac0:    42 00 00 00      addu $16,$16,$4
400ac4:    00 10 04 10
400ac8:    04 00 00 00      jalr $31,$2
400acc:    00 1f 00 02
400ad0:    28 00 00 00      lw $2,-32540($28)
400ad4:    e4 80 02 1c
400ad8:    05 00 00 00      beq $2,$0,400ae8 <initialize+0x98>
400adc:    02 00 00 02
400ae0:    04 00 00 00      jalr $31,$2
400ae4:    00 1f 00 02
malloc.c:94
400ae8:    34 00 00 00      sw $16,-32536($28)
400aec:    e8 80 10 1c
malloc.c:95
400af0:    05 00 00 00      beq $16,$0,400bb0 <initialize+0x160>

```

```

400af4:      2e 00 00 10
malloc.c:97
400af8:      28 00 00 00      lw $2,-32608($28)
400afc:      a0 80 02 1c
400b00:      42 00 00 00      addu $4,$0,$16
400b04:      00 04 10 00
400b08:      42 00 00 00      addu $5,$0,$0
400b0c:      00 05 00 00
400b10:      55 00 00 00      sll $6,$2,0x1
400b14:      01 06 02 00
400b18:      42 00 00 00      addu $6,$6,$2
400b1c:      00 06 02 06
400b20:      55 00 00 00      sll $6,$6,0x2
400b24:      02 06 06 00
400b28:      02 00 00 00      jal 401d20 <memset>
400b2c:      48 07 10 00
malloc.c:98
400b30:      28 00 00 00      lw $4,-32536($28)
400b34:      e8 80 04 1c
malloc.c:104
400b38:      28 00 00 00      lw $5,-32608($28)
400b3c:      a0 80 05 1c
malloc.c:108
400b40:      43 00 00 00      addiu $2,$0,1
400b44:      01 00 02 00
malloc.c:105
400b48:      43 00 00 00      addiu $3,$0,1
400b4c:      01 00 03 00
malloc.c:100
400b50:      34 00 00 00      sw $0,-32548($28)
400b54:      dc 80 00 1c
malloc.c:105
400b58:      34 00 00 00      sw $3,-32520($28)
400b5c:      f8 80 03 1c
malloc.c:107
400b60:      34 00 00 00      sw $3,-32532($28)
400b64:      ec 80 03 1c
malloc.c:104
400b68:      55 00 00 00      sll $3,$5,0x1
400b6c:      01 03 05 00
400b70:      42 00 00 00      addu $3,$3,$5
400b74:      00 03 05 03
400b78:      55 00 00 00      sll $3,$3,0x2
400b7c:      02 03 03 00
malloc.c:98
400b80:      34 00 00 00      sw $0,0($4)
400b84:      00 00 00 04
malloc.c:99
400b88:      34 00 00 00      sw $0,8($4)
400b8c:      08 00 00 04
400b90:      34 00 00 00      sw $0,4($4)
400b94:      04 00 00 04
malloc.c:101
400b98:      34 00 00 00      sw $4,-32524($28)
400b9c:      f4 80 04 1c
malloc.c:104
400ba0:      34 00 00 00      sw $3,-32560($28)
400ba4:      d0 80 03 1c
malloc.c:108
400ba8:      01 00 00 00      j 400bb8 <initialize+0x168>
400bac:      ee 02 10 00
malloc.c:96
400bb0:      42 00 00 00      addu $2,$0,$0

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400bb4: 00 02 00 00
malloc.c:109
400bb8: 28 00 00 00      lw $31,20($29)
400bbc: 14 00 1f 1d
400bc0: 28 00 00 00      lw $16,16($29)
400bc4: 10 00 10 1d
400bc8: 43 00 00 00      addiu $29,$29,24
400bcc: 18 00 1d 1d
400bd0: 03 00 00 00      jr $31
400bd4: 00 00 00 1f

00400bd8 <morecore>:
morecore():
malloc.c:116
400bd8: 28 00 00 00      lw $2,-32688($28)
400bdc: 50 80 02 1c
malloc.c:117
400be0: 43 00 00 00      addiu $29,$29,-40
400be4: d8 ff 1d 1d
400be8: 34 00 00 00      sw $19,28($29)
400bec: 1c 00 13 1d
400bf0: 42 00 00 00      addu $19,$0,$4
400bf4: 00 13 04 00
400bf8: 34 00 00 00      sw $31,36($29)
400bfc: 24 00 1f 1d
400c00: 34 00 00 00      sw $20,32($29)
400c04: 20 00 14 1d
400c08: 34 00 00 00      sw $18,24($29)
400c0c: 18 00 12 1d
400c10: 34 00 00 00      sw $17,20($29)
400c14: 14 00 11 1d
400c18: 34 00 00 00      sw $16,16($29)
400c1c: 10 00 10 1d
400c20: 04 00 00 00      jalr $31,$2
400c24: 00 1f 00 02
400c28: 42 00 00 00      addu $16,$0,$2
400c2c: 00 10 02 00
400c30: 4f 00 00 00      andi $2,$16,4095
400c34: ff 0f 02 10
400c38: 05 00 00 00      beq $2,$0,400c68 <morecore+0x90>
400c3c: 0a 00 00 02
400c40: 43 00 00 00      addiu $4,$0,4096
400c44: 00 10 04 00
400c48: 45 00 00 00      subu $4,$4,$2
400c4c: 00 04 02 04
400c50: 28 00 00 00      lw $2,-32688($28)
400c54: 50 80 02 1c
400c58: 42 00 00 00      addu $16,$16,$4
400c5c: 00 10 04 10
400c60: 04 00 00 00      jalr $31,$2
400c64: 00 1f 00 02
400c68: 28 00 00 00      lw $2,-32540($28)
400c6c: e4 80 02 1c
400c70: 05 00 00 00      beq $2,$0,400c80 <morecore+0xa8>
400c74: 02 00 00 02
400c78: 04 00 00 00      jalr $31,$2
400c7c: 00 1f 00 02
400c80: 42 00 00 00      addu $18,$0,$16
400c84: 00 12 10 00
malloc.c:123
400c88: 06 00 00 00      bne $18,$0,400ca0 <morecore+0xc8>
400c8c: 04 00 00 12
malloc.c:124

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400c90: 42 00 00 00      addu $2,$0,$0
400c94: 00 02 00 00
400c98: 01 00 00 00      j 400fb8 <morecore+0x3e0>
400c9c: ee 03 10 00
malloc.c:127
400ca0: 28 00 00 00      lw $5,-32524($28)
400ca4: f4 80 05 1c
400ca8: 42 00 00 00      addu $4,$18,$19
400cac: 00 04 13 12
400cb0: 45 00 00 00      subu $2,$4,$5
400cb4: 00 02 05 04
400cb8: 0a 00 00 00      bgez $2,400cc8 <morecore+0xf0>
400cbc: 02 00 00 02
400cc0: 43 00 00 00      addiu $2,$2,4095
400cc4: ff 0f 02 02
400cc8: 28 00 00 00      lw $3,-32608($28)
400ccc: a0 80 03 1c
400cd0: 59 00 00 00      sra $2,$2,0xc
400cd4: 0c 02 02 00
400cd8: 43 00 00 00      addiu $2,$2,1
400cdc: 01 00 02 02
400ce0: 5d 00 00 00      sltu $2,$3,$2
400ce4: 00 02 02 03
400ce8: 05 00 00 00      beq $2,$0,400f70 <morecore+0x398>
400cec: a0 00 00 02
malloc.c:129
400cf0: 42 00 00 00      addu $17,$0,$3
400cf4: 00 11 03 00
malloc.c:130
400cf8: 42 00 00 00      addu $3,$0,$5
400cfc: 00 03 05 00
400d00: 45 00 00 00      subu $2,$4,$3
400d04: 00 02 03 04
400d08: 0a 00 00 00      bgez $2,400d18 <morecore+0x140>
400d0c: 02 00 00 02
400d10: 43 00 00 00      addiu $2,$2,4095
400d14: ff 0f 02 02
400d18: 59 00 00 00      sra $2,$2,0xc
400d1c: 0c 02 02 00
400d20: 43 00 00 00      addiu $2,$2,1
400d24: 01 00 02 02
400d28: 5d 00 00 00      sltu $2,$17,$2
400d2c: 00 02 02 11
400d30: 05 00 00 00      beq $2,$0,400d48 <morecore+0x170>
400d34: 04 00 00 02
malloc.c:131
400d38: 55 00 00 00      sll $17,$17,0x1
400d3c: 01 11 11 00
400d40: 01 00 00 00      j 400d00 <morecore+0x128>
400d44: 40 03 10 00
malloc.c:132
400d48: 55 00 00 00      sll $2,$17,0x1
400d4c: 01 02 11 00
400d50: 42 00 00 00      addu $2,$2,$17
400d54: 00 02 11 02
400d58: 28 00 00 00      lw $3,-32688($28)
400d5c: 50 80 03 1c
400d60: 55 00 00 00      sll $20,$2,0x2
400d64: 02 14 02 00
400d68: 42 00 00 00      addu $4,$0,$20
400d6c: 00 04 14 00
400d70: 04 00 00 00      jalr $31,$3
400d74: 00 1f 00 03

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400d78: 42 00 00 00      addu $16,$0,$2
400d7c: 00 10 02 00
400d80: 4f 00 00 00      andi $2,$16,4095
400d84: ff 0f 02 10
400d88: 05 00 00 00      beq $2,$0,400db8 <morecore+0x1e0>
400d8c: 0a 00 00 02
400d90: 43 00 00 00      addiu $4,$0,4096
400d94: 00 10 04 00
400d98: 45 00 00 00      subu $4,$4,$2
400d9c: 00 04 02 04
400da0: 28 00 00 00      lw $2,-32688($28)
400da4: 50 80 02 1c
400da8: 42 00 00 00      addu $16,$16,$4
400dac: 00 10 04 10
400db0: 04 00 00 00      jalr $31,$2
400db4: 00 1f 00 02
400db8: 28 00 00 00      lw $2,-32540($28)
400dbc: e4 80 02 1c
400dc0: 05 00 00 00      beq $2,$0,400dd0 <morecore+0x1f8>
400dc4: 02 00 00 02
400dc8: 04 00 00 00      jalr $31,$2
400dcc: 00 1f 00 02
malloc.c:133
400dd0: 06 00 00 00      bne $16,$0,400e00 <morecore+0x228>
400dd4: 0a 00 00 10
malloc.c:135
400dd8: 28 00 00 00      lw $2,-32688($28)
400ddc: 50 80 02 1c
400de0: 45 00 00 00      subu $4,$0,$19
400de4: 00 04 13 00
400de8: 04 00 00 00      jalr $31,$2
400dec: 00 1f 00 02
malloc.c:136
400df0: 42 00 00 00      addu $2,$0,$0
400df4: 00 02 00 00
400df8: 01 00 00 00      j 400fb8 <morecore+0x3e0>
400dfc: ee 03 10 00
malloc.c:138
400e00: 28 00 00 00      lw $2,-32608($28)
400e04: a0 80 02 1c
400e08: 42 00 00 00      addu $4,$0,$16
400e0c: 00 04 10 00
400e10: 28 00 00 00      lw $5,-32536($28)
400e14: e8 80 05 1c
400e18: 55 00 00 00      sll $6,$2,0x1
400e1c: 01 06 02 00
400e20: 42 00 00 00      addu $6,$6,$2
400e24: 00 06 02 06
400e28: 55 00 00 00      sll $6,$6,0x2
400e2c: 02 06 06 00
400e30: 02 00 00 00      jal 401e90 <memcpy>
400e34: a4 07 10 00
malloc.c:139
400e38: 28 00 00 00      lw $2,-32608($28)
400e3c: a0 80 02 1c
400e40: 42 00 00 00      addu $5,$0,$0
400e44: 00 05 00 00
400e48: 55 00 00 00      sll $4,$2,0x1
400e4c: 01 04 02 00
400e50: 42 00 00 00      addu $4,$4,$2
400e54: 00 04 02 04
400e58: 55 00 00 00      sll $4,$4,0x2
400e5c: 02 04 04 00

```

400e60:	42 00 00 00	addu \$4,\$16,\$4
400e64:	00 04 04 10	
400e68:	45 00 00 00	subu \$2,\$17,\$2
400e6c:	00 02 02 11	
400e70:	55 00 00 00	sll \$6,\$2,0x1
400e74:	01 06 02 00	
400e78:	42 00 00 00	addu \$6,\$6,\$2
400e7c:	00 06 02 06	
400e80:	55 00 00 00	sll \$6,\$6,0x2
400e84:	02 06 06 00	
400e88:	02 00 00 00	jal 401d20 <memset>
400e8c:	48 07 10 00	
malloc.c:141		
400e90:	28 00 00 00	lw \$4,-32536(\$28)
400e94:	e8 80 04 1c	
malloc.c:142		
400e98:	28 00 00 00	lw \$2,-32524(\$28)
400e9c:	f4 80 02 1c	
400ea0:	45 00 00 00	subu \$5,\$4,\$2
400ea4:	00 05 02 04	
400ea8:	42 00 00 00	addu \$3,\$0,\$5
400eac:	00 03 05 00	
400eb0:	0a 00 00 00	bgez \$5,400ec0 <morecore+0x2e8>
400eb4:	02 00 00 05	
400eb8:	43 00 00 00	addiu \$3,\$5,4095
400ebc:	ff 0f 03 05	
400ec0:	59 00 00 00	sra \$3,\$3,0xc
400ec4:	0c 03 03 00	
400ec8:	55 00 00 00	sll \$2,\$3,0x1
400ecc:	01 02 03 00	
400ed0:	42 00 00 00	addu \$2,\$2,\$3
400ed4:	00 02 03 02	
400ed8:	55 00 00 00	sll \$2,\$2,0x2
400edc:	02 02 02 00	
400ee0:	42 00 00 00	addu \$6,\$2,\$16
400ee4:	00 06 10 02	
400ee8:	34 00 00 00	sw \$0,12(\$6)
400eec:	0c 00 00 06	
malloc.c:143		
400ef0:	28 00 00 00	lw \$3,-32608(\$28)
400ef4:	a0 80 03 1c	
malloc.c:148		
400ef8:	28 00 00 00	lw \$5,-32520(\$28)
400efc:	f8 80 05 1c	
malloc.c:145		
400f00:	34 00 00 00	sw \$16,-32536(\$28)
400f04:	e8 80 10 1c	
malloc.c:143		
400f08:	55 00 00 00	sll \$2,\$3,0x1
400f0c:	01 02 03 00	
400f10:	42 00 00 00	addu \$2,\$2,\$3
400f14:	00 02 03 02	
400f18:	55 00 00 00	sll \$2,\$2,0x2
400f1c:	02 02 02 00	
malloc.c:147		
400f20:	28 00 00 00	lw \$3,-32560(\$28)
400f24:	d0 80 03 1c	
malloc.c:143		
400f28:	43 00 00 00	addiu \$2,\$2,4095
400f2c:	ff 0f 02 02	
400f30:	57 00 00 00	srl \$2,\$2,0xc
400f34:	0c 02 02 00	
malloc.c:148		

```

    400f38:      43 00 00 00      addiu $5,$5,1
    400f3c:      01 00 05 05
malloc.c:143
    400f40:      34 00 00 00      sw $2,16($6)
    400f44:      10 00 02 06
malloc.c:148
    400f48:      34 00 00 00      sw $5,-32520($28)
    400f4c:      f8 80 05 1c
malloc.c:147
    400f50:      42 00 00 00      addu $3,$20,$3
    400f54:      00 03 03 14
    400f58:      34 00 00 00      sw $3,-32560($28)
    400f5c:      d0 80 03 1c
malloc.c:149
    400f60:      02 00 00 00      jal 402050 <_free_internal>
    400f64:      14 08 10 00
malloc.c:150
    400f68:      34 00 00 00      sw $17,-32608($28)
    400f6c:      a0 80 11 1c
malloc.c:153
    400f70:      28 00 00 00      lw $3,-32524($28)
    400f74:      f4 80 03 1c
    400f78:      42 00 00 00      addu $2,$18,$19
    400f7c:      00 02 13 12
    400f80:      45 00 00 00      subu $2,$2,$3
    400f84:      00 02 03 02
    400f88:      0a 00 00 00      bgez $2,400f98 <morecore+0x3c0>
    400f8c:      02 00 00 02
    400f90:      43 00 00 00      addiu $2,$2,4095
    400f94:      ff 0f 02 02
    400f98:      59 00 00 00      sra $2,$2,0xc
    400f9c:      0c 02 02 00
    400fa0:      43 00 00 00      addiu $2,$2,1
    400fa4:      01 00 02 02
    400fa8:      34 00 00 00      sw $2,-32544($28)
    400fac:      e0 80 02 1c
malloc.c:154
    400fb0:      42 00 00 00      addu $2,$0,$18
    400fb4:      00 02 12 00
malloc.c:155
    400fb8:      28 00 00 00      lw $31,36($29)
    400fbc:      24 00 1f 1d
    400fc0:      28 00 00 00      lw $20,32($29)
    400fc4:      20 00 14 1d
    400fc8:      28 00 00 00      lw $19,28($29)
    400fcc:      1c 00 13 1d
    400fd0:      28 00 00 00      lw $18,24($29)
    400fd4:      18 00 12 1d
    400fd8:      28 00 00 00      lw $17,20($29)
    400fdc:      14 00 11 1d
    400fe0:      28 00 00 00      lw $16,16($29)
    400fe4:      10 00 10 1d
    400fe8:      43 00 00 00      addiu $29,$29,40
    400fec:      28 00 1d 1d
    400ff0:      03 00 00 00      jr $31
    400ff4:      00 00 00 1f

00400ff8 <malloc>:
malloc():
malloc.c:179
    400ff8:      28 00 00 00      lw $2,-32556($28)
    400ffc:      d4 80 02 1c
malloc.c:161

```



```
401000: 43 00 00 00      addiu $29,$29,-40
401004: d8 ff 1d 1d
401008: 34 00 00 00      sw $16,16($29)
40100c: 10 00 10 1d
401010: 42 00 00 00      addu $16,$0,$4
401014: 00 10 04 00
401018: 34 00 00 00      sw $31,36($29)
40101c: 24 00 1f 1d
401020: 34 00 00 00      sw $20,32($29)
401024: 20 00 14 1d
401028: 34 00 00 00      sw $19,28($29)
40102c: 1c 00 13 1d
401030: 34 00 00 00      sw $18,24($29)
401034: 18 00 12 1d
401038: 34 00 00 00      sw $17,20($29)
40103c: 14 00 11 1d
malloc.c:179
401040: 05 00 00 00      beq $2,$0,401058 <malloc+0x60>
401044: 04 00 00 02
malloc.c:180
401048: 04 00 00 00      jalr $31,$2
40104c: 00 1f 00 02
401050: 01 00 00 00      j 401938 <malloc+0x940>
401054: 4e 06 10 00
malloc.c:182
401058: 28 00 00 00      lw $2,-32532($28)
40105c: ec 80 02 1c
401060: 06 00 00 00      bne $2,$0,401078 <malloc+0x80>
401064: 04 00 00 02
malloc.c:183
401068: 02 00 00 00      jal 400a50 <initialize>
40106c: 94 02 10 00
401070: 05 00 00 00      beq $2,$0,401808 <malloc+0x810>
401074: e4 01 00 02
malloc.c:186
401078: 5e 00 00 00      sltiu $2,$16,8
40107c: 08 00 02 10
401080: 05 00 00 00      beq $2,$0,401090 <malloc+0x98>
401084: 02 00 00 02
malloc.c:187
401088: 43 00 00 00      addiu $16,$0,8
40108c: 08 00 10 00
malloc.c:195
401090: 5e 00 00 00      sltiu $2,$16,2049
401094: 01 08 02 10
401098: 05 00 00 00      beq $2,$0,401430 <malloc+0x438>
40109c: e4 00 00 02
malloc.c:199
4010a0: 43 00 00 00      addiu $17,$0,1
4010a4: 01 00 11 00
malloc.c:200
4010a8: 43 00 00 00      addiu $16,$16,-1
4010ac: ff ff 10 10
malloc.c:201
4010b0: 57 00 00 00      srl $16,$16,0x1
4010b4: 01 10 10 00
4010b8: 05 00 00 00      beq $16,$0,4010d8 <malloc+0xe0>
4010bc: 06 00 00 10
malloc.c:202
4010c0: 43 00 00 00      addiu $17,$17,1
4010c4: 01 00 11 11
4010c8: 57 00 00 00      srl $16,$16,0x1
4010cc: 01 10 10 00
```

```

4010d0:    06 00 00 00      bne $16,$0,4010c0 <malloc+0xc8>
4010d4:    fa ff 00 10
malloc.c:206
4010d8:    55 00 00 00      sll $16,$17,0x3
4010dc:    03 10 11 00
4010e0:    a2 00 00 00      lui $2,4096
4010e4:    00 10 02 00
4010e8:    42 00 00 00      addu $2,$2,$16
4010ec:    00 02 10 02
4010f0:    28 00 00 00      lw $2,1008($2)
4010f4:    f0 03 02 02
malloc.c:207
4010f8:    05 00 00 00      beq $2,$0,401250 <malloc+0x258>
4010fc:    54 00 00 02
malloc.c:212
401100:    42 00 00 00      addu $6,$0,$2
401104:    00 06 02 00
malloc.c:213
401108:    28 00 00 00      lw $3,4($6)
40110c:    04 00 03 06
401110:    28 00 00 00      lw $2,0($6)
401114:    00 00 02 06
401118:    34 00 00 00      sw $2,0($3)
40111c:    00 00 02 03
malloc.c:214
401120:    28 00 00 00      lw $3,0($6)
401124:    00 00 03 06
401128:    05 00 00 00      beq $3,$0,401140 <malloc+0x148>
40112c:    04 00 00 03
malloc.c:215
401130:    28 00 00 00      lw $2,4($6)
401134:    04 00 02 06
401138:    34 00 00 00      sw $2,4($3)
40113c:    04 00 02 03
malloc.c:216
401140:    28 00 00 00      lw $2,-32524($28)
401144:    f4 80 02 1c
401148:    45 00 00 00      subu $2,$6,$2
40114c:    00 02 02 06
401150:    0a 00 00 00      bgez $2,401160 <malloc+0x168>
401154:    02 00 00 02
401158:    43 00 00 00      addiu $2,$2,4095
40115c:    ff 0f 02 02
401160:    59 00 00 00      sra $2,$2,0xc
401164:    0c 02 02 00
401168:    43 00 00 00      addiu $7,$2,1
40116c:    01 00 07 02
malloc.c:217
401170:    28 00 00 00      lw $3,-32536($28)
401174:    e8 80 03 1c
401178:    55 00 00 00      sll $2,$7,0x1
40117c:    01 02 07 00
401180:    42 00 00 00      addu $2,$2,$7
401184:    00 02 07 02
401188:    55 00 00 00      sll $2,$2,0x2
40118c:    02 02 02 00
401190:    42 00 00 00      addu $3,$2,$3
401194:    00 03 03 02
401198:    28 00 00 00      lw $2,4($3)
40119c:    04 00 02 03
4011a0:    43 00 00 00      addiu $2,$2,-1
4011a4:    ff ff 02 02
4011a8:    34 00 00 00      sw $2,4($3)

```

4011ac:	04 00 02 03	
4011b0:	05 00 00 00	beq \$2,\$0,4011d8 <malloc+0x1e0>
4011b4:	08 00 00 02	
malloc.c:218		
4011b8:	28 00 00 00	lw \$2,0(\$6)
4011bc:	00 00 02 06	
4011c0:	4f 00 00 00	andi \$2,\$2,4095
4011c4:	ff 0f 02 02	
4011c8:	58 00 00 00	srlv \$2,\$2,\$17
4011cc:	00 02 02 11	
4011d0:	34 00 00 00	sw \$2,8(\$3)
4011d4:	08 00 02 03	
malloc.c:223		
4011d8:	28 00 00 00	lw \$2,-32520(\$28)
4011dc:	f8 80 02 1c	
malloc.c:224		
4011e0:	43 00 00 00	addiu \$5,\$0,1
4011e4:	01 00 05 00	
malloc.c:225		
4011e8:	28 00 00 00	lw \$3,-32552(\$28)
4011ec:	d8 80 03 1c	
malloc.c:226		
4011f0:	28 00 00 00	lw \$4,-32528(\$28)
4011f4:	f0 80 04 1c	
malloc.c:224		
4011f8:	56 00 00 00	sllv \$5,\$5,\$17
4011fc:	00 05 05 11	
malloc.c:223		
401200:	43 00 00 00	addiu \$2,\$2,1
401204:	01 00 02 02	
401208:	34 00 00 00	sw \$2,-32520(\$28)
40120c:	f8 80 02 1c	
malloc.c:224		
401210:	28 00 00 00	lw \$2,-32560(\$28)
401214:	d0 80 02 1c	
malloc.c:225		
401218:	43 00 00 00	addiu \$3,\$3,-1
40121c:	ff ff 03 03	
malloc.c:226		
401220:	45 00 00 00	subu \$4,\$4,\$5
401224:	00 04 05 04	
malloc.c:225		
401228:	34 00 00 00	sw \$3,-32552(\$28)
40122c:	d8 80 03 1c	
malloc.c:226		
401230:	34 00 00 00	sw \$4,-32528(\$28)
401234:	f0 80 04 1c	
malloc.c:224		
401238:	42 00 00 00	addu \$2,\$5,\$2
40123c:	00 02 02 05	
401240:	34 00 00 00	sw \$2,-32560(\$28)
401244:	d0 80 02 1c	
malloc.c:227		
401248:	01 00 00 00	j 401930 <malloc+0x938>
40124c:	4c 06 10 00	
malloc.c:232		
401250:	43 00 00 00	addiu \$4,\$0,4096
401254:	00 10 04 00	
401258:	02 00 00 00	jal 400ff8 <malloc>
40125c:	fe 03 10 00	
401260:	42 00 00 00	addu \$6,\$0,\$2
401264:	00 06 02 00	
malloc.c:233		

```

401268: 05 00 00 00      beq $6,$0,401808 <malloc+0x810>
40126c: 66 01 00 06
malloc.c:237
401270: 43 00 00 00      addiu $4,$0,1
401274: 01 00 04 00
401278: 43 00 00 00      addiu $2,$0,4096
40127c: 00 10 02 00
401280: 5a 00 00 00      srav $3,$2,$17
401284: 00 03 02 11
401288: 5d 00 00 00      sltu $2,$4,$3
40128c: 00 02 03 04
401290: 05 00 00 00      beq $2,$0,401330 <malloc+0x338>
401294: 26 00 00 02
401298: 42 00 00 00      addu $7,$0,$16
40129c: 00 07 10 00
4012a0: a2 00 00 00      lui $2,4096
4012a4: 00 10 02 00
4012a8: 43 00 00 00      addiu $2,$2,1008
4012ac: f0 03 02 02
4012b0: 42 00 00 00      addu $5,$7,$2
4012b4: 00 05 02 07
4012b8: 42 00 00 00      addu $8,$0,$3
4012bc: 00 08 03 00
malloc.c:240
4012c0: a2 00 00 00      lui $3,4096
4012c4: 00 10 03 00
4012c8: 42 00 00 00      addu $3,$3,$7
4012cc: 00 03 07 03
4012d0: 28 00 00 00      lw $3,1008($3)
4012d4: f0 03 03 03
malloc.c:239
4012d8: 56 00 00 00      sllv $2,$4,$17
4012dc: 00 02 04 11
4012e0: 42 00 00 00      addu $2,$6,$2
4012e4: 00 02 02 06
malloc.c:240
4012e8: 34 00 00 00      sw $3,0($2)
4012ec: 00 00 03 02
malloc.c:241
4012f0: 34 00 00 00      sw $5,4($2)
4012f4: 04 00 05 02
malloc.c:242
4012f8: 34 00 00 00      sw $2,0($5)
4012fc: 00 00 02 05
malloc.c:243
401300: 28 00 00 00      lw $3,0($2)
401304: 00 00 03 02
401308: 05 00 00 00      beq $3,$0,401318 <malloc+0x320>
40130c: 02 00 00 03
malloc.c:244
401310: 34 00 00 00      sw $2,4($3)
401314: 04 00 02 03
malloc.c:237
401318: 43 00 00 00      addiu $4,$4,1
40131c: 01 00 04 04
401320: 5d 00 00 00      sltu $2,$4,$8
401324: 00 02 08 04
401328: 06 00 00 00      bne $2,$0,4012c0 <malloc+0x2c8>
40132c: e4 ff 00 02
malloc.c:248
401330: 28 00 00 00      lw $2,-32524($28)
401334: f4 80 02 1c
401338: 45 00 00 00      subu $2,$6,$2

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```

40133c: 00 02 02 06
401340: 0a 00 00 00      bgez $2,401350 <malloc+0x358>
401344: 02 00 00 02
401348: 43 00 00 00      addiu $2,$2,4095
40134c: ff 0f 02 02
401350: 59 00 00 00      sra $2,$2,0xc
401354: 0c 02 02 00
401358: 43 00 00 00      addiu $7,$2,1
40135c: 01 00 07 02
malloc.c:249
401360: 28 00 00 00      lw $3,-32536($28)
401364: e8 80 03 1c
401368: 55 00 00 00      sll $2,$7,0x1
40136c: 01 02 07 00
401370: 42 00 00 00      addu $2,$2,$7
401374: 00 02 07 02
malloc.c:253
401378: 28 00 00 00      lw $5,-32552($28)
40137c: d8 80 05 1c
malloc.c:249
401380: 55 00 00 00      sll $2,$2,0x2
401384: 02 02 02 00
401388: 42 00 00 00      addu $2,$2,$3
40138c: 00 02 03 02
malloc.c:250
401390: 43 00 00 00      addiu $3,$4,-1
401394: ff ff 03 04
malloc.c:253
401398: 43 00 00 00      addiu $5,$5,-1
40139c: ff ff 05 05
malloc.c:249
4013a0: 34 00 00 00      sw $17,0($2)
4013a4: 00 00 11 02
malloc.c:250
4013a8: 34 00 00 00      sw $3,4($2)
4013ac: 04 00 03 02
malloc.c:251
4013b0: 34 00 00 00      sw $3,8($2)
4013b4: 08 00 03 02
malloc.c:253
4013b8: 43 00 00 00      addiu $2,$0,4096
4013bc: 00 10 02 00
malloc.c:254
4013c0: 28 00 00 00      lw $4,-32528($28)
4013c4: f0 80 04 1c
malloc.c:253
4013c8: 5a 00 00 00      srav $2,$2,$17
4013cc: 00 02 02 11
4013d0: 42 00 00 00      addu $5,$5,$2
4013d4: 00 05 02 05
malloc.c:255
4013d8: 28 00 00 00      lw $2,-32560($28)
4013dc: d0 80 02 1c
malloc.c:254
4013e0: 43 00 00 00      addiu $3,$0,1
4013e4: 01 00 03 00
4013e8: 56 00 00 00      sllv $3,$3,$17
4013ec: 00 03 03 11
malloc.c:253
4013f0: 34 00 00 00      sw $5,-32552($28)
4013f4: d8 80 05 1c
malloc.c:254
4013f8: 43 00 00 00      addiu $4,$4,4096

```

4013fc:	00 10 04 04	
401400:	45 00 00 00	subu \$4,\$4,\$3
401404:	00 04 03 04	
malloc.c:255		
401408:	43 00 00 00	addiu \$2,\$2,-4096
40140c:	00 f0 02 02	
401410:	42 00 00 00	addu \$2,\$2,\$3
401414:	00 02 03 02	
malloc.c:254		
401418:	34 00 00 00	sw \$4,-32528(\$28)
40141c:	f0 80 04 1c	
malloc.c:255		
401420:	34 00 00 00	sw \$2,-32560(\$28)
401424:	d0 80 02 1c	
malloc.c:257		
401428:	01 00 00 00	j 401930 <malloc+0x938>
40142c:	4c 06 10 00	
malloc.c:265		
401430:	28 00 00 00	lw \$7,-32548(\$28)
401434:	dc 80 07 1c	
malloc.c:266		
401438:	28 00 00 00	lw \$5,-32536(\$28)
40143c:	e8 80 05 1c	
malloc.c:264		
401440:	43 00 00 00	addiu \$2,\$16,4095
401444:	ff 0f 02 10	
malloc.c:266		
401448:	55 00 00 00	sll \$4,\$7,0x1
40144c:	01 04 07 00	
401450:	42 00 00 00	addu \$3,\$4,\$7
401454:	00 03 07 04	
401458:	55 00 00 00	sll \$3,\$3,0x2
40145c:	02 03 03 00	
401460:	42 00 00 00	addu \$3,\$3,\$5
401464:	00 03 05 03	
401468:	28 00 00 00	lw \$3,0(\$3)
40146c:	00 00 03 03	
malloc.c:264		
401470:	57 00 00 00	srl \$18,\$2,0xc
401474:	0c 12 02 00	
malloc.c:265		
401478:	42 00 00 00	addu \$20,\$0,\$7
40147c:	00 14 07 00	
malloc.c:266		
401480:	5d 00 00 00	sltu \$3,\$3,\$18
401484:	00 03 12 03	
401488:	05 00 00 00	beq \$3,\$0,4016e8 <malloc+0x6f0>
40148c:	96 00 00 03	
401490:	55 00 00 00	sll \$19,\$18,0xc
401494:	0c 13 12 00	
malloc.c:268		
401498:	42 00 00 00	addu \$2,\$4,\$7
40149c:	00 02 07 04	
4014a0:	55 00 00 00	sll \$2,\$2,0x2
4014a4:	02 02 02 00	
4014a8:	42 00 00 00	addu \$2,\$2,\$5
4014ac:	00 02 05 02	
4014b0:	28 00 00 00	lw \$7,4(\$2)
4014b4:	04 00 07 02	
malloc.c:269		
4014b8:	06 00 00 00	bne \$7,\$20,4016a8 <malloc+0x6b0>
4014bc:	7a 00 14 07	
malloc.c:274		

```

4014c0: 28 00 00 00      lw $7,8($5)
4014c4: 08 00 07 05
malloc.c:276
4014c8: 28 00 00 00      lw $3,-32544($28)
4014cc: e0 80 03 1c
malloc.c:275
4014d0: 55 00 00 00      sll $2,$7,0x1
4014d4: 01 02 07 00
4014d8: 42 00 00 00      addu $2,$2,$7
4014dc: 00 02 07 02
4014e0: 55 00 00 00      sll $2,$2,0x2
4014e4: 02 02 02 00
4014e8: 42 00 00 00      addu $2,$2,$5
4014ec: 00 02 05 02
4014f0: 28 00 00 00      lw $17,0($2)
4014f4: 00 00 11 02
malloc.c:276
4014f8: 05 00 00 00      beq $3,$0,4015e0 <malloc+0x5e8>
4014fc: 38 00 00 03
401500: 42 00 00 00      addu $16,$7,$17
401504: 00 10 11 07
401508: 06 00 00 00      bne $16,$3,4015e0 <malloc+0x5e8>
40150c: 34 00 03 10
401510: 28 00 00 00      lw $2,-32688($28)
401514: 50 80 02 1c
401518: 42 00 00 00      addu $4,$0,$0
40151c: 00 04 00 00
401520: 04 00 00 00      jalr $31,$2
401524: 00 1f 00 02
401528: 28 00 00 00      lw $4,-32524($28)
40152c: f4 80 04 1c
401530: 43 00 00 00      addiu $3,$16,-1
401534: ff ff 03 10
401538: 55 00 00 00      sll $3,$3,0xc
40153c: 0c 03 03 00
401540: 42 00 00 00      addu $3,$3,$4
401544: 00 03 04 03
401548: 06 00 00 00      bne $2,$3,4015e0 <malloc+0x5e8>
40154c: 24 00 03 02
401550: 45 00 00 00      subu $17,$18,$17
401554: 00 11 11 12
401558: 55 00 00 00      sll $16,$17,0xc
40155c: 0c 10 11 00
401560: 42 00 00 00      addu $4,$0,$16
401564: 00 04 10 00
401568: 02 00 00 00      jal 400bd8 <morecore>
40156c: f6 02 10 00
401570: 05 00 00 00      beq $2,$0,4015e0 <malloc+0x5e8>
401574: 1a 00 00 02
malloc.c:283
401578: 28 00 00 00      lw $3,-32536($28)
40157c: e8 80 03 1c
401580: 28 00 00 00      lw $7,8($3)
401584: 08 00 07 03
malloc.c:284
401588: 55 00 00 00      sll $2,$7,0x1
40158c: 01 02 07 00
401590: 42 00 00 00      addu $2,$2,$7
401594: 00 02 07 02
401598: 55 00 00 00      sll $2,$2,0x2
40159c: 02 02 02 00
4015a0: 42 00 00 00      addu $2,$2,$3
4015a4: 00 02 03 02

```

```

malloc.c:285
  4015a8:      28 00 00 00      lw $3,-32528($28)
  4015ac:      f0 80 03 1c
malloc.c:284
  4015b0:      28 00 00 00      lw $4,0($2)
  4015b4:      00 00 04 02
malloc.c:285
  4015b8:      42 00 00 00      addu $3,$16,$3
  4015bc:      00 03 03 10
malloc.c:284
  4015c0:      42 00 00 00      addu $4,$17,$4
  4015c4:      00 04 04 11
malloc.c:285
  4015c8:      34 00 00 00      sw $3,-32528($28)
  4015cc:      f0 80 03 1c
malloc.c:284
  4015d0:      34 00 00 00      sw $4,0($2)
  4015d4:      00 00 04 02
malloc.c:286
  4015d8:      01 00 00 00      j 4016a8 <malloc+0x6b0>
  4015dc:      aa 05 10 00
malloc.c:288
  4015e0:      42 00 00 00      addu $4,$0,$19
  4015e4:      00 04 13 00
  4015e8:      02 00 00 00      jal 400bd8 <morecore>
  4015ec:      f6 02 10 00
  4015f0:      42 00 00 00      addu $6,$0,$2
  4015f4:      00 06 02 00
malloc.c:289
  4015f8:      05 00 00 00      beq $6,$0,401808 <malloc+0x810>
  4015fc:      82 00 00 06
malloc.c:291
  401600:      28 00 00 00      lw $2,-32524($28)
  401604:      f4 80 02 1c
  401608:      45 00 00 00      subu $2,$6,$2
  40160c:      00 02 02 06
  401610:      0a 00 00 00      bgez $2,401620 <malloc+0x628>
  401614:      02 00 00 02
  401618:      43 00 00 00      addiu $2,$2,4095
  40161c:      ff 0f 02 02
  401620:      59 00 00 00      sra $2,$2,0xc
  401624:      0c 02 02 00
  401628:      43 00 00 00      addiu $7,$2,1
  40162c:      01 00 07 02
malloc.c:296
  401630:      42 00 00 00      addu $2,$0,$6
  401634:      00 02 06 00
malloc.c:292
  401638:      28 00 00 00      lw $6,-32536($28)
  40163c:      e8 80 06 1c
  401640:      55 00 00 00      sll $3,$7,0x1
  401644:      01 03 07 00
  401648:      42 00 00 00      addu $3,$3,$7
  40164c:      00 03 07 03
malloc.c:294
  401650:      28 00 00 00      lw $4,-32520($28)
  401654:      f8 80 04 1c
malloc.c:295
  401658:      28 00 00 00      lw $5,-32560($28)
  40165c:      d0 80 05 1c
malloc.c:292
  401660:      55 00 00 00      sll $3,$3,0x2
  401664:      02 03 03 00

```


401668:	42 00 00 00	addu \$3,\$3,\$6
40166c:	00 03 06 03	
malloc.c:294		
401670:	43 00 00 00	addiu \$4,\$4,1
401674:	01 00 04 04	
malloc.c:295		
401678:	42 00 00 00	addu \$5,\$19,\$5
40167c:	00 05 05 13	
malloc.c:292		
401680:	34 00 00 00	sw \$0,0(\$3)
401684:	00 00 00 03	
malloc.c:293		
401688:	34 00 00 00	sw \$18,4(\$3)
40168c:	04 00 12 03	
malloc.c:294		
401690:	34 00 00 00	sw \$4,-32520(\$28)
401694:	f8 80 04 1c	
malloc.c:295		
401698:	34 00 00 00	sw \$5,-32560(\$28)
40169c:	d0 80 05 1c	
malloc.c:296		
4016a0:	01 00 00 00	j 401938 <malloc+0x940>
4016a4:	4e 06 10 00	
malloc.c:298		
4016a8:	28 00 00 00	lw \$5,-32536(\$28)
4016ac:	e8 80 05 1c	
4016b0:	55 00 00 00	sll \$4,\$7,0x1
4016b4:	01 04 07 00	
4016b8:	42 00 00 00	addu \$2,\$4,\$7
4016bc:	00 02 07 04	
4016c0:	55 00 00 00	sll \$2,\$2,0x2
4016c4:	02 02 02 00	
4016c8:	42 00 00 00	addu \$2,\$2,\$5
4016cc:	00 02 05 02	
4016d0:	28 00 00 00	lw \$2,0(\$2)
4016d4:	00 00 02 02	
4016d8:	5d 00 00 00	sltu \$2,\$2,\$18
4016dc:	00 02 12 02	
4016e0:	06 00 00 00	bne \$2,\$0,401498 <malloc+0x4a0>
4016e4:	6c ff 00 02	
malloc.c:302		
4016e8:	43 00 00 00	addiu \$3,\$7,-1
4016ec:	ff ff 03 07	
4016f0:	28 00 00 00	lw \$4,-32524(\$28)
4016f4:	f4 80 04 1c	
malloc.c:303		
4016f8:	28 00 00 00	lw \$8,-32536(\$28)
4016fc:	e8 80 08 1c	
401700:	55 00 00 00	sll \$2,\$7,0x1
401704:	01 02 07 00	
401708:	42 00 00 00	addu \$2,\$2,\$7
40170c:	00 02 07 02	
401710:	55 00 00 00	sll \$2,\$2,0x2
401714:	02 02 02 00	
401718:	42 00 00 00	addu \$5,\$2,\$8
40171c:	00 05 08 02	
401720:	28 00 00 00	lw \$9,0(\$5)
401724:	00 00 09 05	
malloc.c:302		
401728:	55 00 00 00	sll \$3,\$3,0xc
40172c:	0c 03 03 00	
401730:	42 00 00 00	addu \$6,\$3,\$4
401734:	00 06 04 03	

```
malloc.c:303
 401738:    5d 00 00 00      sltu $2,$18,$9
 40173c:    00 02 09 12
 401740:    05 00 00 00      beq $2,$0,401818 <malloc+0x820>
 401744:    34 00 00 02

malloc.c:307
 401748:    42 00 00 00      addu $4,$7,$18
 40174c:    00 04 12 07
 401750:    55 00 00 00      sll $2,$4,0x1
 401754:    01 02 04 00
 401758:    42 00 00 00      addu $2,$2,$4
 40175c:    00 02 04 02
 401760:    55 00 00 00      sll $2,$2,0x2
 401764:    02 02 02 00
 401768:    42 00 00 00      addu $2,$2,$8
 40176c:    00 02 08 02
 401770:    45 00 00 00      subu $3,$9,$18
 401774:    00 03 12 09
 401778:    34 00 00 00      sw $3,0($2)
 40177c:    00 00 03 02

malloc.c:309
 401780:    28 00 00 00      lw $3,4($5)
 401784:    04 00 03 05
 401788:    34 00 00 00      sw $3,4($2)
 40178c:    04 00 03 02

malloc.c:311
 401790:    28 00 00 00      lw $3,8($5)
 401794:    08 00 03 05
 401798:    34 00 00 00      sw $3,8($2)
 40179c:    08 00 03 02

malloc.c:313
 4017a0:    28 00 00 00      lw $3,4($5)
 4017a4:    04 00 03 05
 4017a8:    34 00 00 00      sw $4,-32548($28)
 4017ac:    dc 80 04 1c
 4017b0:    28 00 00 00      lw $5,8($5)
 4017b4:    08 00 05 05
 4017b8:    55 00 00 00      sll $2,$3,0x1
 4017bc:    01 02 03 00
 4017c0:    42 00 00 00      addu $2,$2,$3
 4017c4:    00 02 03 02
 4017c8:    55 00 00 00      sll $2,$2,0x2
 4017cc:    02 02 02 00
 4017d0:    42 00 00 00      addu $2,$2,$8
 4017d4:    00 02 08 02
 4017d8:    34 00 00 00      sw $4,8($2)
 4017dc:    08 00 04 02
 4017e0:    55 00 00 00      sll $2,$5,0x1
 4017e4:    01 02 05 00
 4017e8:    42 00 00 00      addu $2,$2,$5
 4017ec:    00 02 05 02
 4017f0:    55 00 00 00      sll $2,$2,0x2
 4017f4:    02 02 02 00
 4017f8:    42 00 00 00      addu $2,$2,$8
 4017fc:    00 02 08 02

malloc.c:316
 401800:    01 00 00 00      j 4018a0 <malloc+0x8a8>
 401804:    28 06 10 00

malloc.c:290
 401808:    42 00 00 00      addu $2,$0,$0
 40180c:    00 02 00 00
 401810:    01 00 00 00      j 401938 <malloc+0x940>
 401814:    4e 06 10 00
```

```

malloc.c:321
 401818:    28 00 00 00    lw $3,4($5)
 40181c:    04 00 03 05
 401820:    55 00 00 00    sll $2,$3,0x1
 401824:    01 02 03 00
 401828:    42 00 00 00    addu $2,$2,$3
 40182c:    00 02 03 02
 401830:    28 00 00 00    lw $3,8($5)
 401834:    08 00 03 05
 401838:    55 00 00 00    sll $2,$2,0x2
 40183c:    02 02 02 00
 401840:    42 00 00 00    addu $2,$2,$8
 401844:    00 02 08 02
 401848:    34 00 00 00    sw $3,8($2)
 40184c:    08 00 03 02

malloc.c:323
 401850:    28 00 00 00    lw $3,8($5)
 401854:    08 00 03 05

malloc.c:325
 401858:    28 00 00 00    lw $2,-32552($28)
 40185c:    d8 80 02 1c

malloc.c:323
 401860:    28 00 00 00    lw $4,4($5)
 401864:    04 00 04 05

malloc.c:325
 401868:    43 00 00 00    addiu $2,$2,-1
 40186c:    ff ff 02 02
 401870:    34 00 00 00    sw $2,-32552($28)
 401874:    d8 80 02 1c

malloc.c:323
 401878:    55 00 00 00    sll $2,$3,0x1
 40187c:    01 02 03 00
 401880:    42 00 00 00    addu $2,$2,$3
 401884:    00 02 03 02
 401888:    55 00 00 00    sll $2,$2,0x2
 40188c:    02 02 02 00
 401890:    42 00 00 00    addu $2,$2,$8
 401894:    00 02 08 02
 401898:    34 00 00 00    sw $4,-32548($28)
 40189c:    dc 80 04 1c
 4018a0:    34 00 00 00    sw $4,4($2)
 4018a4:    04 00 04 02

malloc.c:328
 4018a8:    28 00 00 00    lw $4,-32536($28)
 4018ac:    e8 80 04 1c
 4018b0:    55 00 00 00    sll $2,$7,0x1
 4018b4:    01 02 07 00
 4018b8:    42 00 00 00    addu $2,$2,$7
 4018bc:    00 02 07 02

malloc.c:330
 4018c0:    28 00 00 00    lw $3,-32520($28)
 4018c4:    f8 80 03 1c

malloc.c:328
 4018c8:    55 00 00 00    sll $2,$2,0x2
 4018cc:    02 02 02 00
 4018d0:    42 00 00 00    addu $2,$2,$4
 4018d4:    00 02 04 02
 4018d8:    34 00 00 00    sw $0,0($2)
 4018dc:    00 00 00 02

malloc.c:329
 4018e0:    34 00 00 00    sw $18,4($2)
 4018e4:    04 00 12 02

malloc.c:331

```

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```
4018e8:      28 00 00 00      lw $2,-32560($28)
4018ec:      d0 80 02 1c
malloc.c:330
4018f0:      43 00 00 00      addiu $3,$3,1
4018f4:      01 00 03 03
4018f8:      34 00 00 00      sw $3,-32520($28)
4018fc:      f8 80 03 1c
malloc.c:332
401900:      28 00 00 00      lw $3,-32528($28)
401904:      f0 80 03 1c
malloc.c:331
401908:      55 00 00 00      sll $4,$18,0xc
40190c:      0c 04 12 00
401910:      42 00 00 00      addu $2,$4,$2
401914:      00 02 02 04
malloc.c:332
401918:      45 00 00 00      subu $3,$3,$4
40191c:      00 03 04 03
malloc.c:331
401920:      34 00 00 00      sw $2,-32560($28)
401924:      d0 80 02 1c
malloc.c:332
401928:      34 00 00 00      sw $3,-32528($28)
40192c:      f0 80 03 1c
malloc.c:335
401930:      42 00 00 00      addu $2,$0,$6
401934:      00 02 06 00
malloc.c:336
401938:      28 00 00 00      lw $31,36($29)
40193c:      24 00 1f 1d
401940:      28 00 00 00      lw $20,32($29)
401944:      20 00 14 1d
401948:      28 00 00 00      lw $19,28($29)
40194c:      1c 00 13 1d
401950:      28 00 00 00      lw $18,24($29)
401954:      18 00 12 1d
401958:      28 00 00 00      lw $17,20($29)
40195c:      14 00 11 1d
401960:      28 00 00 00      lw $16,16($29)
401964:      10 00 10 1d
401968:      43 00 00 00      addiu $29,$29,40
40196c:      28 00 1d 1d
401970:      03 00 00 00      jr $31
401974:      00 00 00 1f
...
```

00401980 <strchr>:

strchr() :

../sysdeps/generic/strchr.c:26

```
401980:      43 00 00 00      addiu $29,$29,-32
401984:      e0 ff 1d 1d
401988:      34 00 00 00      sw $17,20($29)
40198c:      14 00 11 1d
```

../sysdeps/generic/strchr.c:29

```
401990:      4f 00 00 00      andi $17,$5,255
401994:      ff 00 11 05
```

../sysdeps/generic/strchr.c:26

```
401998:      34 00 00 00      sw $31,24($29)
40199c:      18 00 1f 1d
4019a0:      34 00 00 00      sw $16,16($29)
4019a4:      10 00 10 1d
```

../sysdeps/generic/strchr.c:33

```
4019a8:      06 00 00 00      bne $17,$0,4019c8 <strchr+0x48>
```

```
4019ac:      06 00 00 11
../sysdeps/generic/strchr.c:34
4019b0:      42 00 00 00      addu $5,$0,$0
4019b4:      00 05 00 00
4019b8:      02 00 00 00      jal 4029a0 <strchr>
4019bc:      68 0a 10 00
4019c0:      01 00 00 00      j 401a08 <strchr+0x88>
4019c4:      82 06 10 00
../sysdeps/generic/strchr.c:36
4019c8:      42 00 00 00      addu $16,$0,$0
4019cc:      00 10 00 00
../sysdeps/generic/strchr.c:37
4019d0:      42 00 00 00      addu $5,$0,$17
4019d4:      00 05 11 00
4019d8:      02 00 00 00      jal 4029a0 <strchr>
4019dc:      68 0a 10 00
4019e0:      05 00 00 00      beq $2,$0,401a00 <strchr+0x80>
4019e4:      06 00 00 02
../sysdeps/generic/strchr.c:39
4019e8:      42 00 00 00      addu $16,$0,$2
4019ec:      00 10 02 00
../sysdeps/generic/strchr.c:40
4019f0:      43 00 00 00      addiu $4,$16,1
4019f4:      01 00 04 10
../sysdeps/generic/strchr.c:41
4019f8:      01 00 00 00      j 4019d0 <strchr+0x50>
4019fc:      74 06 10 00
../sysdeps/generic/strchr.c:43
401a00:      42 00 00 00      addu $2,$0,$16
401a04:      00 02 10 00
../sysdeps/generic/strchr.c:44
401a08:      28 00 00 00      lw $31,24($29)
401a0c:      18 00 1f 1d
401a10:      28 00 00 00      lw $17,20($29)
401a14:      14 00 11 1d
401a18:      28 00 00 00      lw $16,16($29)
401a1c:      10 00 10 1d
401a20:      43 00 00 00      addiu $29,$29,32
401a24:      20 00 1d 1d
401a28:      03 00 00 00      jr $31
401a2c:      00 00 00 1f
```

00401a30 <fclose>:

fclose():

fclose.c:29

```
401a30:      43 00 00 00      addiu $29,$29,-32
401a34:      e0 ff 1d 1d
401a38:      34 00 00 00      sw $16,16($29)
401a3c:      10 00 10 1d
401a40:      42 00 00 00      addu $16,$0,$4
401a44:      00 10 04 00
401a48:      34 00 00 00      sw $31,28($29)
401a4c:      1c 00 1f 1d
401a50:      34 00 00 00      sw $18,24($29)
401a54:      18 00 12 1d
401a58:      34 00 00 00      sw $17,20($29)
401a5c:      14 00 11 1d
```

fclose.c:32

```
401a60:      06 00 00 00      bne $16,$0,401af8 <fclose+0xc8>
401a64:      24 00 00 10
```

fclose.c:36

```
401a68:      28 00 00 00      lw $16,-32692($28)
401a6c:      4c 80 10 1c
```

```
401a70: 05 00 00 00      beq $16,$0,401ae8 <fclose+0xb8>
401a74: 1c 00 00 10
401a78: a2 00 00 00      lui $18,65261
401a7c: ed fe 12 00
401a80: 51 00 00 00      ori $18,$18,47806
401a84: be ba 12 12
401a88: a2 00 00 00      lui $17,65242
401a8c: da fe 11 00
401a90: 51 00 00 00      ori $17,$17,48875
401a94: eb be 11 11
fclose.c:37
401a98: 28 00 00 00      lw $2,0($16)
401a9c: 00 00 02 10
401aa0: 06 00 00 00      bne $2,$18,401ab8 <fclose+0x88>
401aa4: 04 00 12 02
401aa8: 28 00 00 00      lw $2,4($16)
401aac: 04 00 02 10
401ab0: 28 00 00 00      lw $16,0($2)
401ab4: 00 00 10 02
401ab8: 28 00 00 00      lw $2,0($16)
401abc: 00 00 02 10
401ac0: 06 00 00 00      bne $2,$17,401ad8 <fclose+0xa8>
401ac4: 04 00 11 02
fclose.c:38
401ac8: 42 00 00 00      addu $4,$0,$16
401acc: 00 04 10 00
401ad0: 02 00 00 00      jal 401a30 <fclose>
401ad4: 8c 06 10 00
fclose.c:36
401ad8: 28 00 00 00      lw $16,68($16)
401adc: 44 00 10 10
401ae0: 06 00 00 00      bne $16,$0,401a98 <fclose+0x68>
401ae4: ec ff 00 10
fclose.c:39
401ae8: 42 00 00 00      addu $2,$0,$0
401aec: 00 02 00 00
401af0: 01 00 00 00      j 401c78 <fclose+0x248>
401af4: 1e 07 10 00
fclose.c:42
401af8: 28 00 00 00      lw $3,0($16)
401afc: 00 00 03 10
401b00: a2 00 00 00      lui $2,65261
401b04: ed fe 02 00
401b08: 51 00 00 00      ori $2,$2,47806
401b0c: be ba 02 02
401b10: 06 00 00 00      bne $3,$2,401b28 <fclose+0xf8>
401b14: 04 00 02 03
401b18: 28 00 00 00      lw $2,4($16)
401b1c: 04 00 02 10
401b20: 28 00 00 00      lw $16,0($2)
401b24: 00 00 10 02
401b28: 28 00 00 00      lw $3,0($16)
401b2c: 00 00 03 10
401b30: a2 00 00 00      lui $2,65242
401b34: da fe 02 00
401b38: 51 00 00 00      ori $2,$2,48875
401b3c: eb be 02 02
401b40: 05 00 00 00      beq $3,$2,401b68 <fclose+0x138>
401b44: 08 00 02 03
fclose.c:44
401b48: 43 00 00 00      addiu $2,$0,22
401b4c: 16 00 02 00
401b50: 34 00 00 00      sw $2,-32592($28)
```

```
401b54:      b0 80 02 1c
fclose.c:45
401b58:      43 00 00 00      addiu $2,$0,-1
401b5c:      ff ff 02 00
401b60:      01 00 00 00      j 401c78 <fclose+0x248>
401b64:      1e 07 10 00
fclose.c:48
401b68:      28 00 00 00      lw $2,28($16)
401b6c:      1c 00 02 10
401b70:      4f 00 00 00      andi $2,$2,2
401b74:      02 00 02 02
401b78:      05 00 00 00      beq $2,$0,401bb8 <fclose+0x188>
401b7c:      0e 00 00 02
401b80:      42 00 00 00      addu $4,$0,$16
401b84:      00 04 10 00
401b88:      43 00 00 00      addiu $5,$0,-1
401b8c:      ff ff 05 00
401b90:      02 00 00 00      jal 403b80 <__flshfp>
401b94:      e0 0e 10 00
401b98:      43 00 00 00      addiu $3,$0,-1
401b9c:      ff ff 03 00
401ba0:      06 00 00 00      bne $2,$3,401bb8 <fclose+0x188>
401ba4:      04 00 03 02
fclose.c:51
401ba8:      43 00 00 00      addiu $2,$0,-1
401bac:      ff ff 02 00
401bb0:      01 00 00 00      j 401c78 <fclose+0x248>
401bb4:      1e 07 10 00
fclose.c:54
401bb8:      28 00 00 00      lw $4,16($16)
401bbc:      10 00 04 10
401bc0:      05 00 00 00      beq $4,$0,401be8 <fclose+0x1b8>
401bc4:      08 00 00 04
401bc8:      28 00 00 00      lw $2,76($16)
401bcc:      4c 00 02 10
401bd0:      4f 00 00 00      andi $2,$2,2048
401bd4:      00 08 02 02
401bd8:      06 00 00 00      bne $2,$0,401be8 <fclose+0x1b8>
401bdc:      02 00 00 02
fclose.c:55
401be0:      02 00 00 00      jal 402900 <free>
401be4:      40 0a 10 00
fclose.c:58
401be8:      28 00 00 00      lw $2,44($16)
401bec:      2c 00 02 10
401bf0:      05 00 00 00      beq $2,$0,401c18 <fclose+0x1e8>
401bf4:      08 00 00 02
fclose.c:59
401bf8:      28 00 00 00      lw $4,24($16)
401bfc:      18 00 04 10
401c00:      04 00 00 00      jalr $31,$2
401c04:      00 1f 00 02
401c08:      42 00 00 00      addu $17,$0,$2
401c0c:      00 11 02 00
401c10:      01 00 00 00      j 401c60 <fclose+0x230>
401c14:      18 07 10 00
fclose.c:60
401c18:      28 00 00 00      lw $2,76($16)
401c1c:      4c 00 02 10
401c20:      4f 00 00 00      andi $2,$2,16384
401c24:      00 40 02 02
401c28:      06 00 00 00      bne $2,$0,401c58 <fclose+0x228>
401c2c:      0a 00 00 02
```

```

401c30:      28 00 00 00      lw $4,24($16)
401c34:      18 00 04 10
401c38:      05 00 00 00      beq $4,$0,401c58 <fclose+0x228>
401c3c:      06 00 00 04
fclose.c:61
401c40:      02 00 00 00      jal 404860 <__stdio_close>
401c44:      18 12 10 00
401c48:      42 00 00 00      addu $17,$0,$2
401c4c:      00 11 02 00
401c50:      01 00 00 00      j 401c60 <fclose+0x230>
401c54:      18 07 10 00
fclose.c:63
401c58:      42 00 00 00      addu $17,$0,$0
401c5c:      00 11 00 00
fclose.c:66
401c60:      42 00 00 00      addu $4,$0,$16
401c64:      00 04 10 00
401c68:      02 00 00 00      jal 404648 <__invalidate>
401c6c:      92 11 10 00
fclose.c:68
401c70:      59 00 00 00      sra $2,$17,0x1f
401c74:      1f 02 11 00
fclose.c:69
401c78:      28 00 00 00      lw $31,28($29)
401c7c:      1c 00 1f 1d
401c80:      28 00 00 00      lw $18,24($29)
401c84:      18 00 12 1d
401c88:      28 00 00 00      lw $17,20($29)
401c8c:      14 00 11 1d
401c90:      28 00 00 00      lw $16,16($29)
401c94:      10 00 10 1d
401c98:      43 00 00 00      addiu $29,$29,32
401c9c:      20 00 1d 1d
401ca0:      03 00 00 00      jr $31
401ca4:      00 00 00 1f
...

00401cb0 <syscall_error>:
401cb0:      a2 00 00 00      lui $1,4096
401cb4:      00 10 01 00
401cb8:      34 00 00 00      sw $2,912($1)
401cbc:      90 03 02 01
401cc0:      43 00 00 00      addiu $2,$0,-1
401cc4:      ff ff 02 00
401cc8:      03 00 00 00      jr $31
401ccc:      00 00 00 1f

00401cd0 <__default_morecore>:
__default_morecore():
../sysdeps/generic/morecore.c:43
401cd0:      43 00 00 00      addiu $29,$29,-24
401cd4:      e8 ff 1d 1d
401cd8:      34 00 00 00      sw $31,16($29)
401cdc:      10 00 1f 1d
../sysdeps/generic/morecore.c:48
401ce0:      02 00 00 00      jal 404d00 <__sbrk>
401ce4:      40 13 10 00
../sysdeps/generic/morecore.c:49
401ce8:      54 00 00 00      nor $3,$0,$2
401cec:      00 03 02 00
401cf0:      5d 00 00 00      sltu $3,$0,$3
401cf4:      00 03 03 00
401cf8:      45 00 00 00      subu $3,$0,$3

```



```

401cfc:      00 03 03 00
401d00:      4e 00 00 00      and $2,$2,$3
401d04:      00 02 03 02
../sysdeps/generic/morecore.c:52
401d08:      28 00 00 00      lw $31,16($29)
401d0c:      10 00 1f 1d
401d10:      43 00 00 00      addiu $29,$29,24
401d14:      18 00 1d 1d
401d18:      03 00 00 00      jr $31
401d1c:      00 00 00 1f

00401d20 <memset>:
memset():
../sysdeps/generic/memset.c:26
401d20:      42 00 00 00      addu $8,$0,$4
401d24:      00 08 04 00
../sysdeps/generic/memset.c:28
401d28:      5e 00 00 00      sltiu $2,$6,8
401d2c:      08 00 02 06
401d30:      06 00 00 00      bne $2,$0,401e50 <memset+0x130>
401d34:      46 00 00 02
../sysdeps/generic/memset.c:33
401d38:      4f 00 00 00      andi $7,$5,255
401d3c:      ff 00 07 05
../sysdeps/generic/memset.c:34
401d40:      55 00 00 00      sll $2,$7,0x8
401d44:      08 02 07 00
401d48:      50 00 00 00      or $7,$7,$2
401d4c:      00 07 02 07
../sysdeps/generic/memset.c:35
401d50:      55 00 00 00      sll $2,$7,0x10
401d54:      10 02 07 00
401d58:      50 00 00 00      or $7,$7,$2
401d5c:      00 07 02 07
../sysdeps/generic/memset.c:41
401d60:      4f 00 00 00      andi $2,$4,3
401d64:      03 00 02 04
401d68:      05 00 00 00      beq $2,$0,401d98 <memset+0x78>
401d6c:      0a 00 00 02
../sysdeps/generic/memset.c:43
401d70:      30 00 00 00      sb $5,0($8)
401d74:      00 00 05 08
../sysdeps/generic/memset.c:44
401d78:      43 00 00 00      addiu $8,$8,1
401d7c:      01 00 08 08
../sysdeps/generic/memset.c:45
401d80:      43 00 00 00      addiu $6,$6,-1
401d84:      ff ff 06 06
../sysdeps/generic/memset.c:46
401d88:      4f 00 00 00      andi $2,$8,3
401d8c:      03 00 02 08
401d90:      06 00 00 00      bne $2,$0,401d70 <memset+0x50>
401d94:      f6 ff 00 02
../sysdeps/generic/memset.c:49
401d98:      57 00 00 00      srl $3,$6,0x5
401d9c:      05 03 06 00
../sysdeps/generic/memset.c:50
401da0:      05 00 00 00      beq $3,$0,401e10 <memset+0xf0>
401da4:      1a 00 00 03
401da8:      43 00 00 00      addiu $2,$8,28
401dac:      1c 00 02 08
../sysdeps/generic/memset.c:52
401db0:      34 00 00 00      sw $7,0($8)

```

```
401db4:      00 00 07 08
../sysdeps/generic/memset.c:53
401db8:      34 00 00 00      sw $7,-24($2)
401dbc:      e8 ff 07 02
../sysdeps/generic/memset.c:54
401dc0:      34 00 00 00      sw $7,-20($2)
401dc4:      ec ff 07 02
../sysdeps/generic/memset.c:55
401dc8:      34 00 00 00      sw $7,-16($2)
401dcc:      f0 ff 07 02
../sysdeps/generic/memset.c:56
401dd0:      34 00 00 00      sw $7,-12($2)
401dd4:      f4 ff 07 02
../sysdeps/generic/memset.c:57
401dd8:      34 00 00 00      sw $7,-8($2)
401ddc:      f8 ff 07 02
../sysdeps/generic/memset.c:58
401de0:      34 00 00 00      sw $7,-4($2)
401de4:      fc ff 07 02
../sysdeps/generic/memset.c:59
401de8:      34 00 00 00      sw $7,0($2)
401dec:      00 00 07 02
../sysdeps/generic/memset.c:60
401df0:      43 00 00 00      addiu $2,$2,32
401df4:      20 00 02 02
401df8:      43 00 00 00      addiu $8,$8,32
401dfc:      20 00 08 08
../sysdeps/generic/memset.c:61
401e00:      43 00 00 00      addiu $3,$3,-1
401e04:      ff ff 03 03
../sysdeps/generic/memset.c:62
401e08:      06 00 00 00      bne $3,$0,401db0 <memset+0x90>
401e0c:      e8 ff 00 03
../sysdeps/generic/memset.c:63
401e10:      4f 00 00 00      andi $6,$6,31
401e14:      1f 00 06 06
../sysdeps/generic/memset.c:66
401e18:      57 00 00 00      srl $3,$6,0x2
401e1c:      02 03 06 00
../sysdeps/generic/memset.c:67
401e20:      05 00 00 00      beq $3,$0,401e48 <memset+0x128>
401e24:      08 00 00 03
../sysdeps/generic/memset.c:69
401e28:      34 00 00 00      sw $7,0($8)
401e2c:      00 00 07 08
../sysdeps/generic/memset.c:70
401e30:      43 00 00 00      addiu $8,$8,4
401e34:      04 00 08 08
../sysdeps/generic/memset.c:71
401e38:      43 00 00 00      addiu $3,$3,-1
401e3c:      ff ff 03 03
../sysdeps/generic/memset.c:72
401e40:      06 00 00 00      bne $3,$0,401e28 <memset+0x108>
401e44:      f8 ff 00 03
../sysdeps/generic/memset.c:73
401e48:      4f 00 00 00      andi $6,$6,3
401e4c:      03 00 06 06
../sysdeps/generic/memset.c:77
401e50:      05 00 00 00      beq $6,$0,401e78 <memset+0x158>
401e54:      08 00 00 06
../sysdeps/generic/memset.c:79
401e58:      30 00 00 00      sb $5,0($8)
401e5c:      00 00 05 08
```

```
../sysdeps/generic/memset.c:80
401e60:      43 00 00 00      addiu $8,$8,1
401e64:      01 00 08 08
../sysdeps/generic/memset.c:81
401e68:      43 00 00 00      addiu $6,$6,-1
401e6c:      ff ff 06 06
../sysdeps/generic/memset.c:82
401e70:      06 00 00 00      bne $6,$0,401e58 <memset+0x138>
401e74:      f8 ff 00 06
../sysdeps/generic/memset.c:84
401e78:      42 00 00 00      addu $2,$0,$4
401e7c:      00 02 04 00
../sysdeps/generic/memset.c:85
401e80:      03 00 00 00      jr $31
401e84:      00 00 00 1f
```

...

00401e90 <memcpy>:

memcpy() :

```
../sysdeps/generic/memcpy.c:28
401e90:      43 00 00 00      addiu $29,$29,-40
401e94:      d8 ff 1d 1d
401e98:      34 00 00 00      sw $19,28($29)
401e9c:      1c 00 13 1d
401ea0:      42 00 00 00      addu $19,$0,$4
401ea4:      00 13 04 00
401ea8:      34 00 00 00      sw $18,24($29)
401eac:      18 00 12 1d
401eb0:      42 00 00 00      addu $18,$0,$6
401eb4:      00 12 06 00
401eb8:      34 00 00 00      sw $17,20($29)
401ebc:      14 00 11 1d
../sysdeps/generic/memcpy.c:29
401ec0:      42 00 00 00      addu $17,$0,$19
401ec4:      00 11 13 00
../sysdeps/generic/memcpy.c:28
401ec8:      34 00 00 00      sw $16,16($29)
401ecc:      10 00 10 1d
../sysdeps/generic/memcpy.c:30
401ed0:      42 00 00 00      addu $16,$0,$5
401ed4:      00 10 05 00
../sysdeps/generic/memcpy.c:35
401ed8:      5e 00 00 00      sltiu $2,$18,16
401edc:      10 00 02 12
../sysdeps/generic/memcpy.c:28
401ee0:      34 00 00 00      sw $31,32($29)
401ee4:      20 00 1f 1d
../sysdeps/generic/memcpy.c:35
401ee8:      06 00 00 00      bne $2,$0,401fc8 <memcpy+0x138>
401eec:      36 00 00 02
../sysdeps/generic/memcpy.c:38
401ef0:      45 00 00 00      subu $2,$0,$19
401ef4:      00 02 13 00
401ef8:      4f 00 00 00      andi $2,$2,3
401efc:      03 00 02 02
401f00:      45 00 00 00      subu $18,$18,$2
401f04:      00 12 02 12
../sysdeps/generic/memcpy.c:39
401f08:      42 00 00 00      addu $3,$0,$2
401f0c:      00 03 02 00
401f10:      05 00 00 00      beq $3,$0,401f48 <memcpy+0xb8>
401f14:      0c 00 00 03
401f18:      22 00 00 00      lbu $2,0($16)
```

```

401f1c:    00 00 02 10
401f20:    43 00 00 00      addiu $3,$3,-1
401f24:    ff ff 03 03
401f28:    43 00 00 00      addiu $16,$16,1
401f2c:    01 00 10 10
401f30:    30 00 00 00      sb $2,0($17)
401f34:    00 00 02 11
401f38:    43 00 00 00      addiu $17,$17,1
401f3c:    01 00 11 11
401f40:    06 00 00 00      bne $3,$0,401f18 <memcpy+0x88>
401f44:    f4 ff 00 03
..../sysdeps/generic/memcpy.c:46
401f48:    4f 00 00 00      andi $2,$16,3
401f4c:    03 00 02 10
401f50:    06 00 00 00      bne $2,$0,401f80 <memcpy+0xf0>
401f54:    0a 00 00 02
401f58:    42 00 00 00      addu $4,$0,$17
401f5c:    00 04 11 00
401f60:    42 00 00 00      addu $5,$0,$16
401f64:    00 05 10 00
401f68:    57 00 00 00      srl $6,$18,0x2
401f6c:    02 06 12 00
401f70:    02 00 00 00      jal 404d90 <_wordcopy_fwd_aligned>
401f74:    64 13 10 00
401f78:    01 00 00 00      j 401fa0 <memcpy+0x110>
401f7c:    e8 07 10 00
401f80:    42 00 00 00      addu $4,$0,$17
401f84:    00 04 11 00
401f88:    42 00 00 00      addu $5,$0,$16
401f8c:    00 05 10 00
401f90:    57 00 00 00      srl $6,$18,0x2
401f94:    02 06 12 00
401f98:    02 00 00 00      jal 404fa0 <_wordcopy_fwd_dest_aligned>
401f9c:    e8 13 10 00
401fa0:    43 00 00 00      addiu $2,$0,-4
401fa4:    fc ff 02 00
401fa8:    4e 00 00 00      and $2,$18,$2
401fac:    00 02 02 12
401fb0:    42 00 00 00      addu $16,$16,$2
401fb4:    00 10 02 10
401fb8:    42 00 00 00      addu $17,$17,$2
401fbc:    00 11 02 11
401fc0:    4f 00 00 00      andi $18,$18,3
401fc4:    03 00 12 12
..../sysdeps/generic/memcpy.c:52
401fc8:    42 00 00 00      addu $6,$0,$18
401fcc:    00 06 12 00
401fd0:    05 00 00 00      beq $6,$0,402008 <memcpy+0x178>
401fd4:    0c 00 00 06
401fd8:    22 00 00 00      lbu $2,0($16)
401fdc:    00 00 02 10
401fe0:    43 00 00 00      addiu $6,$6,-1
401fe4:    ff ff 06 06
401fe8:    43 00 00 00      addiu $16,$16,1
401fec:    01 00 10 10
401ff0:    30 00 00 00      sb $2,0($17)
401ff4:    00 00 02 11
401ff8:    43 00 00 00      addiu $17,$17,1
401ffc:    01 00 11 11
402000:    06 00 00 00      bne $6,$0,401fd8 <memcpy+0x148>
402004:    f4 ff 00 06
..../sysdeps/generic/memcpy.c:54
402008:    42 00 00 00      addu $2,$0,$19

```

```

40200c:      00 02 13 00
../sysdeps/generic/memcpy.c:55
402010:      28 00 00 00      lw $31,32($29)
402014:      20 00 1f 1d
402018:      28 00 00 00      lw $19,28($29)
40201c:      1c 00 13 1d
402020:      28 00 00 00      lw $18,24($29)
402024:      18 00 12 1d
402028:      28 00 00 00      lw $17,20($29)
40202c:      14 00 11 1d
402030:      28 00 00 00      lw $16,16($29)
402034:      10 00 10 1d
402038:      43 00 00 00      addiu $29,$29,40
40203c:      28 00 1d 1d
402040:      03 00 00 00      jr $31
402044:      00 00 00 1f
...

00402050 <_free_internal>:
_free_internal():
free.c:45
402050:      28 00 00 00      lw $10,-32524($28)
402054:      f4 80 0a 1c
free.c:39
402058:      43 00 00 00      addiu $29,$29,-40
40205c:      d8 ff 1d 1d
402060:      42 00 00 00      addu $6,$0,$4
402064:      00 06 04 00
402068:      34 00 00 00      sw $31,32($29)
40206c:      20 00 1f 1d
402070:      34 00 00 00      sw $19,28($29)
402074:      1c 00 13 1d
402078:      34 00 00 00      sw $18,24($29)
40207c:      18 00 12 1d
402080:      34 00 00 00      sw $17,20($29)
402084:      14 00 11 1d
402088:      34 00 00 00      sw $16,16($29)
40208c:      10 00 10 1d
free.c:45
402090:      45 00 00 00      subu $2,$6,$10
402094:      00 02 0a 06
402098:      0a 00 00 00      bgez $2,4020a8 <_free_internal+0x58>
40209c:      02 00 00 02
4020a0:      43 00 00 00      addiu $2,$2,4095
4020a4:      ff 0f 02 02
4020a8:      59 00 00 00      sra $5,$2,0xc
4020ac:      0c 05 02 00
4020b0:      43 00 00 00      addiu $16,$5,1
4020b4:      01 00 10 05
free.c:47
4020b8:      28 00 00 00      lw $7,-32536($28)
4020bc:      e8 80 07 1c
4020c0:      55 00 00 00      sll $2,$16,0x1
4020c4:      01 02 10 00
4020c8:      42 00 00 00      addu $2,$2,$16
4020cc:      00 02 10 02
4020d0:      55 00 00 00      sll $11,$2,0x2
4020d4:      02 0b 02 00
4020d8:      42 00 00 00      addu $8,$11,$7
4020dc:      00 08 07 0b
4020e0:      28 00 00 00      lw $9,0($8)
4020e4:      00 00 09 08
free.c:48

```

```

./objdump.txt          Sun Sep 24 11:10:19 2017          110
    4020e8:      06 00 00 00      bne $9,$0,4025c0 <_free_internal+0x570>
    4020ec:      34 01 00 09
free.c:52
    4020f0:      28 00 00 00      lw $2,-32520($28)
    4020f4:      f8 80 02 1c
free.c:59
    4020f8:      28 00 00 00      lw $6,-32548($28)
    4020fc:      dc 80 06 1c
free.c:53
    402100:      28 00 00 00      lw $3,4($8)
    402104:      04 00 03 08
    402108:      28 00 00 00      lw $4,-32560($28)
    40210c:      d0 80 04 1c
free.c:54
    402110:      28 00 00 00      lw $5,-32528($28)
    402114:      f0 80 05 1c
free.c:52
    402118:      43 00 00 00      addiu $2,$2,-1
    40211c:      ff ff 02 02
    402120:      34 00 00 00      sw $2,-32520($28)
    402124:      f8 80 02 1c
free.c:54
    402128:      28 00 00 00      lw $2,4($8)
    40212c:      04 00 02 08
free.c:53
    402130:      55 00 00 00      sll $3,$3,0xc
    402134:      0c 03 03 00
    402138:      45 00 00 00      subu $4,$4,$3
    40213c:      00 04 03 04
    402140:      34 00 00 00      sw $4,-32560($28)
    402144:      d0 80 04 1c
free.c:54
    402148:      55 00 00 00      sll $2,$2,0xc
    40214c:      0c 02 02 00
    402150:      42 00 00 00      addu $2,$2,$5
    402154:      00 02 05 02
    402158:      34 00 00 00      sw $2,-32528($28)
    40215c:      f0 80 02 1c
free.c:60
    402160:      5d 00 00 00      sltu $2,$16,$6
    402164:      00 02 06 10
    402168:      05 00 00 00      beq $2,$0,4021b8 <_free_internal+0x168>
    40216c:      12 00 00 02
free.c:61
    402170:      42 00 00 00      addu $3,$0,$7
    402174:      00 03 07 00
free.c:62
    402178:      55 00 00 00      sll $2,$6,0x1
    40217c:      01 02 06 00
    402180:      42 00 00 00      addu $2,$2,$6
    402184:      00 02 06 02
    402188:      55 00 00 00      sll $2,$2,0x2
    40218c:      02 02 02 00
    402190:      42 00 00 00      addu $2,$2,$3
    402194:      00 02 03 02
    402198:      28 00 00 00      lw $6,8($2)
    40219c:      08 00 06 02
    4021a0:      5d 00 00 00      sltu $2,$16,$6
    4021a4:      00 02 06 10
    4021a8:      06 00 00 00      bne $2,$0,402178 <_free_internal+0x128>
    4021ac:      f2 ff 00 02
    4021b0:      01 00 00 00      j 402228 <_free_internal+0x1d8>
    4021b4:      8a 08 10 00

```

```
free.c:65
 4021b8: 42 00 00 00      addu $3,$0,$7
 4021bc: 00 03 07 00

free.c:66
 4021c0: 55 00 00 00      sll $2,$6,0x1
 4021c4: 01 02 06 00
 4021c8: 42 00 00 00      addu $2,$2,$6
 4021cc: 00 02 06 02
 4021d0: 55 00 00 00      sll $2,$2,0x2
 4021d4: 02 02 02 00
 4021d8: 42 00 00 00      addu $2,$2,$3
 4021dc: 00 02 03 02
 4021e0: 28 00 00 00      lw $6,4($2)
 4021e4: 04 00 06 02

free.c:67
 4021e8: 05 00 00 00      beq $6,$0,402200 <_free_internal+0x1b0>
 4021ec: 04 00 00 06
 4021f0: 5d 00 00 00      sltu $2,$6,$16
 4021f4: 00 02 10 06
 4021f8: 06 00 00 00      bne $2,$0,4021c0 <_free_internal+0x170>
 4021fc: f0 ff 00 02

free.c:68
 402200: 55 00 00 00      sll $2,$6,0x1
 402204: 01 02 06 00
 402208: 42 00 00 00      addu $2,$2,$6
 40220c: 00 02 06 02
 402210: 55 00 00 00      sll $2,$2,0x2
 402214: 02 02 02 00
 402218: 42 00 00 00      addu $2,$2,$3
 40221c: 00 02 03 02
 402220: 28 00 00 00      lw $6,8($2)
 402224: 08 00 06 02

free.c:72
 402228: 28 00 00 00      lw $5,-32536($28)
 40222c: e8 80 05 1c
 402230: 55 00 00 00      sll $2,$6,0x1
 402234: 01 02 06 00
 402238: 42 00 00 00      addu $2,$2,$6
 40223c: 00 02 06 02
 402240: 55 00 00 00      sll $2,$2,0x2
 402244: 02 02 02 00
 402248: 42 00 00 00      addu $4,$2,$5
 40224c: 00 04 05 02
 402250: 28 00 00 00      lw $3,0($4)
 402254: 00 00 03 04
 402258: 42 00 00 00      addu $2,$6,$3
 40225c: 00 02 03 06
 402260: 06 00 00 00      bne $16,$2,4022b0 <_free_internal+0x260>
 402264: 12 00 02 10

free.c:75
 402268: 55 00 00 00      sll $2,$16,0x1
 40226c: 01 02 10 00
 402270: 42 00 00 00      addu $2,$2,$16
 402274: 00 02 10 02
 402278: 55 00 00 00      sll $2,$2,0x2
 40227c: 02 02 02 00
 402280: 42 00 00 00      addu $2,$2,$5
 402284: 00 02 05 02
 402288: 28 00 00 00      lw $2,4($2)
 40228c: 04 00 02 02

free.c:76
 402290: 42 00 00 00      addu $16,$0,$6
 402294: 00 10 06 00
```

```

free.c:75
  402298:    42 00 00 00    addu $2,$3,$2
  40229c:    00 02 02 03
  4022a0:    34 00 00 00    sw $2,0($4)
  4022a4:    00 00 02 04
free.c:77
  4022a8:    01 00 00 00    j 402348 <_free_internal+0x2f8>
  4022ac:    d2 08 10 00
free.c:81
  4022b0:    55 00 00 00    sll $2,$16,0x1
  4022b4:    01 02 10 00
  4022b8:    42 00 00 00    addu $2,$2,$16
  4022bc:    00 02 10 02
  4022c0:    55 00 00 00    sll $2,$2,0x2
  4022c4:    02 02 02 00
  4022c8:    42 00 00 00    addu $2,$2,$5
  4022cc:    00 02 05 02
  4022d0:    28 00 00 00    lw $3,4($2)
  4022d4:    04 00 03 02
  4022d8:    34 00 00 00    sw $3,0($2)
  4022dc:    00 00 03 02
free.c:82
  4022e0:    28 00 00 00    lw $3,4($4)
  4022e4:    04 00 03 04
  4022e8:    34 00 00 00    sw $3,4($2)
  4022ec:    04 00 03 02
free.c:86
  4022f0:    28 00 00 00    lw $3,-32552($28)
  4022f4:    d8 80 03 1c
free.c:83
  4022f8:    34 00 00 00    sw $6,8($2)
  4022fc:    08 00 06 02
free.c:84
  402300:    34 00 00 00    sw $16,4($4)
  402304:    04 00 10 04
free.c:85
  402308:    28 00 00 00    lw $4,4($2)
  40230c:    04 00 04 02
free.c:86
  402310:    43 00 00 00    addiu $3,$3,1
  402314:    01 00 03 03
free.c:85
  402318:    55 00 00 00    sll $2,$4,0x1
  40231c:    01 02 04 00
  402320:    42 00 00 00    addu $2,$2,$4
  402324:    00 02 04 02
  402328:    55 00 00 00    sll $2,$2,0x2
  40232c:    02 02 02 00
  402330:    42 00 00 00    addu $2,$2,$5
  402334:    00 02 05 02
free.c:86
  402338:    34 00 00 00    sw $3,-32552($28)
  40233c:    d8 80 03 1c
free.c:85
  402340:    34 00 00 00    sw $16,8($2)
  402344:    08 00 10 02
free.c:92
  402348:    28 00 00 00    lw $6,-32536($28)
  40234c:    e8 80 06 1c
  402350:    55 00 00 00    sll $2,$16,0x1
  402354:    01 02 10 00
  402358:    42 00 00 00    addu $2,$2,$16
  40235c:    00 02 10 02

```



```

402360:    55 00 00 00    sll $19,$2,0x2
402364:    02 13 02 00
402368:    42 00 00 00    addu $5,$19,$6
40236c:    00 05 06 13
402370:    28 00 00 00    lw $4,0($5)
402374:    00 00 04 05
402378:    28 00 00 00    lw $2,4($5)
40237c:    04 00 02 05
402380:    42 00 00 00    addu $3,$16,$4
402384:    00 03 04 10
402388:    06 00 00 00    bne $3,$2,402440 <_free_internal+0x3f0>
40238c:    2c 00 02 03
free.c:94
402390:    55 00 00 00    sll $2,$3,0x1
402394:    01 02 03 00
402398:    42 00 00 00    addu $2,$2,$3
40239c:    00 02 03 02
4023a0:    55 00 00 00    sll $2,$2,0x2
4023a4:    02 02 02 00
4023a8:    42 00 00 00    addu $2,$2,$6
4023ac:    00 02 06 02
4023b0:    28 00 00 00    lw $2,0($2)
4023b4:    00 00 02 02
free.c:96
4023b8:    28 00 00 00    lw $3,4($5)
4023bc:    04 00 03 05
free.c:94
4023c0:    42 00 00 00    addu $2,$4,$2
4023c4:    00 02 02 04
4023c8:    34 00 00 00    sw $2,0($5)
4023cc:    00 00 02 05
free.c:96
4023d0:    55 00 00 00    sll $2,$3,0x1
4023d4:    01 02 03 00
4023d8:    42 00 00 00    addu $2,$2,$3
4023dc:    00 02 03 02
4023e0:    55 00 00 00    sll $2,$2,0x2
4023e4:    02 02 02 00
4023e8:    42 00 00 00    addu $2,$2,$6
4023ec:    00 02 06 02
free.c:99
4023f0:    28 00 00 00    lw $3,-32552($28)
4023f4:    d8 80 03 1c
free.c:96
4023f8:    28 00 00 00    lw $4,4($2)
4023fc:    04 00 04 02
free.c:99
402400:    43 00 00 00    addiu $3,$3,-1
402404:    ff ff 03 03
free.c:98
402408:    55 00 00 00    sll $2,$4,0x1
40240c:    01 02 04 00
402410:    42 00 00 00    addu $2,$2,$4
402414:    00 02 04 02
402418:    55 00 00 00    sll $2,$2,0x2
40241c:    02 02 02 00
402420:    42 00 00 00    addu $2,$2,$6
402424:    00 02 06 02
free.c:99
402428:    34 00 00 00    sw $3,-32552($28)
40242c:    d8 80 03 1c
free.c:96
402430:    34 00 00 00    sw $4,4($5)

```

```

402434:      04 00 04 05
free.c:98
402438:      34 00 00 00      sw $16,8($2)
40243c:      08 00 10 02
free.c:103
402440:      28 00 00 00      lw $2,-32536($28)
402444:      e8 80 02 1c
402448:      42 00 00 00      addu $2,$19,$2
40244c:      00 02 02 13
402450:      28 00 00 00      lw $17,0($2)
402454:      00 00 11 02
free.c:104
402458:      5e 00 00 00      sltiu $2,$17,8
40245c:      08 00 02 11
402460:      06 00 00 00      bne $2,$0,4025b0 <_free_internal+0x560>
402464:      52 00 00 02
402468:      28 00 00 00      lw $2,-32544($28)
40246c:      e0 80 02 1c
402470:      42 00 00 00      addu $18,$16,$17
402474:      00 12 11 10
402478:      06 00 00 00      bne $18,$2,4025b0 <_free_internal+0x560>
40247c:      4c 00 02 12
402480:      28 00 00 00      lw $2,-32688($28)
402484:      50 80 02 1c
402488:      42 00 00 00      addu $4,$0,$0
40248c:      00 04 00 00
402490:      04 00 00 00      jalr $31,$2
402494:      00 1f 00 02
402498:      28 00 00 00      lw $4,-32524($28)
40249c:      f4 80 04 1c
4024a0:      43 00 00 00      addiu $3,$18,-1
4024a4:      ff ff 03 12
4024a8:      55 00 00 00      sll $3,$3,0xc
4024ac:      0c 03 03 00
4024b0:      42 00 00 00      addu $3,$3,$4
4024b4:      00 03 04 03
4024b8:      06 00 00 00      bne $2,$3,4025b0 <_free_internal+0x560>
4024bc:      3c 00 03 02
free.c:107
4024c0:      55 00 00 00      sll $16,$17,0xc
4024c4:      0c 10 11 00
free.c:108
4024c8:      28 00 00 00      lw $2,-32544($28)
4024cc:      e0 80 02 1c
free.c:109
4024d0:      28 00 00 00      lw $3,-32688($28)
4024d4:      50 80 03 1c
4024d8:      45 00 00 00      subu $4,$0,$16
4024dc:      00 04 10 00
free.c:108
4024e0:      45 00 00 00      subu $2,$2,$17
4024e4:      00 02 11 02
4024e8:      34 00 00 00      sw $2,-32544($28)
4024ec:      e0 80 02 1c
free.c:109
4024f0:      04 00 00 00      jalr $31,$3
4024f4:      00 1f 00 03
free.c:110
4024f8:      28 00 00 00      lw $5,-32536($28)
4024fc:      e8 80 05 1c
402500:      42 00 00 00      addu $4,$19,$5
402504:      00 04 05 13
402508:      28 00 00 00      lw $3,8($4)

```

```

40250c: 08 00 03 04
402510: 55 00 00 00      sll $2,$3,0x1
402514: 01 02 03 00
402518: 42 00 00 00      addu $2,$2,$3
40251c: 00 02 03 02
402520: 28 00 00 00      lw $3,4($4)
402524: 04 00 03 04
402528: 55 00 00 00      sll $2,$2,0x2
40252c: 02 02 02 00
402530: 42 00 00 00      addu $2,$2,$5
402534: 00 02 05 02
402538: 34 00 00 00      sw $3,4($2)
40253c: 04 00 03 02
free.c:115
402540: 28 00 00 00      lw $2,-32552($28)
402544: d8 80 02 1c
free.c:116
402548: 28 00 00 00      lw $3,-32528($28)
40254c: f0 80 03 1c
free.c:112
402550: 28 00 00 00      lw $6,4($4)
402554: 04 00 06 04
free.c:115
402558: 43 00 00 00      addiu $2,$2,-1
40255c: ff ff 02 02
free.c:116
402560: 45 00 00 00      subu $3,$3,$16
402564: 00 03 10 03
free.c:115
402568: 34 00 00 00      sw $2,-32552($28)
40256c: d8 80 02 1c
free.c:112
402570: 55 00 00 00      sll $2,$6,0x1
402574: 01 02 06 00
402578: 42 00 00 00      addu $2,$2,$6
40257c: 00 02 06 02
free.c:116
402580: 34 00 00 00      sw $3,-32528($28)
402584: f0 80 03 1c
free.c:112
402588: 28 00 00 00      lw $3,8($4)
40258c: 08 00 03 04
402590: 55 00 00 00      sll $2,$2,0x2
402594: 02 02 02 00
402598: 42 00 00 00      addu $2,$2,$5
40259c: 00 02 05 02
4025a0: 34 00 00 00      sw $3,8($2)
4025a4: 08 00 03 02
free.c:114
4025a8: 28 00 00 00      lw $16,8($4)
4025ac: 08 00 10 04
free.c:120
4025b0: 34 00 00 00      sw $16,-32548($28)
4025b4: dc 80 10 1c
free.c:121
4025b8: 01 00 00 00      j 4028c8 <_free_internal+0x878>
4025bc: 32 0a 10 00
free.c:125
4025c0: 28 00 00 00      lw $4,-32520($28)
4025c4: f8 80 04 1c
free.c:131
4025c8: 28 00 00 00      lw $3,8($8)
4025cc: 08 00 03 08

```

```

./objdump.txt          Sun Sep 24 11:10:19 2017          116

4025d0:      55 00 00 00      sll $2,$5,0xc
4025d4:      0c 02 05 00
4025d8:      42 00 00 00      addu $2,$2,$10
4025dc:      00 02 0a 02
free.c:128
4025e0:      28 00 00 00      lw $5,-32528($28)
4025e4:      f0 80 05 1c
free.c:131
4025e8:      56 00 00 00      sllv $3,$3,$9
4025ec:      00 03 03 09
4025f0:      42 00 00 00      addu $7,$2,$3
4025f4:      00 07 03 02
free.c:126
4025f8:      28 00 00 00      lw $3,-32560($28)
4025fc:      d0 80 03 1c
402600:      43 00 00 00      addiu $10,$0,1
402604:      01 00 0a 00
free.c:125
402608:      43 00 00 00      addiu $4,$4,-1
40260c:      ff ff 04 04
402610:      34 00 00 00      sw $4,-32520($28)
402614:      f8 80 04 1c
free.c:127
402618:      28 00 00 00      lw $4,-32552($28)
40261c:      d8 80 04 1c
free.c:126
402620:      56 00 00 00      sllv $2,$10,$9
402624:      00 02 0a 09
402628:      45 00 00 00      subu $3,$3,$2
40262c:      00 03 02 03
402630:      34 00 00 00      sw $3,-32560($28)
402634:      d0 80 03 1c
free.c:134
402638:      28 00 00 00      lw $3,4($8)
40263c:      04 00 03 08
free.c:127
402640:      43 00 00 00      addiu $4,$4,1
402644:      01 00 04 04
free.c:128
402648:      42 00 00 00      addu $2,$2,$5
40264c:      00 02 05 02
402650:      34 00 00 00      sw $2,-32528($28)
402654:      f0 80 02 1c
free.c:134
402658:      43 00 00 00      addiu $2,$0,4096
40265c:      00 10 02 00
free.c:127
402660:      34 00 00 00      sw $4,-32552($28)
402664:      d8 80 04 1c
free.c:134
402668:      5a 00 00 00      srav $4,$2,$9
40266c:      00 04 02 09
402670:      43 00 00 00      addiu $2,$4,-1
402674:      ff ff 02 04
402678:      06 00 00 00      bne $3,$2,4027c8 <_free_internal+0x778>
40267c:      52 00 02 03
free.c:138
402680:      42 00 00 00      addu $3,$0,$7
402684:      00 03 07 00
free.c:139
402688:      43 00 00 00      addiu $6,$0,1
40268c:      01 00 06 00
402690:      5d 00 00 00      sltu $2,$10,$4

```

```

402694:    00 02 04 0a
402698:    05 00 00 00      beq $2,$0,4026c0 <_free_internal+0x670>
40269c:    08 00 00 02
free.c:140
4026a0:    28 00 00 00      lw $3,0($3)
4026a4:    00 00 03 03
free.c:139
4026a8:    43 00 00 00      addiu $6,$6,1
4026ac:    01 00 06 06
4026b0:    5d 00 00 00      sltu $2,$6,$4
4026b4:    00 02 04 06
4026b8:    06 00 00 00      bne $2,$0,4026a0 <_free_internal+0x650>
4026bc:    f8 ff 00 02
free.c:141
4026c0:    28 00 00 00      lw $2,4($7)
4026c4:    04 00 02 07
4026c8:    34 00 00 00      sw $3,0($2)
4026cc:    00 00 03 02
free.c:142
4026d0:    05 00 00 00      beq $3,$0,4026e8 <_free_internal+0x698>
4026d4:    04 00 00 03
free.c:143
4026d8:    28 00 00 00      lw $2,4($7)
4026dc:    04 00 02 07
4026e0:    34 00 00 00      sw $2,4($3)
4026e4:    04 00 02 03
free.c:153
4026e8:    28 00 00 00      lw $2,-32524($28)
4026ec:    f4 80 02 1c
4026f0:    43 00 00 00      addiu $4,$16,-1
4026f4:    ff ff 04 10
4026f8:    55 00 00 00      sll $4,$4,0xc
4026fc:    0c 04 04 00
free.c:144
402700:    28 00 00 00      lw $3,-32536($28)
402704:    e8 80 03 1c
free.c:148
402708:    28 00 00 00      lw $5,-32520($28)
40270c:    f8 80 05 1c
free.c:149
402710:    28 00 00 00      lw $6,-32560($28)
402714:    d0 80 06 1c
free.c:153
402718:    42 00 00 00      addu $4,$4,$2
40271c:    00 04 02 04
free.c:144
402720:    55 00 00 00      sll $2,$16,0x1
402724:    01 02 10 00
402728:    42 00 00 00      addu $2,$2,$16
40272c:    00 02 10 02
402730:    55 00 00 00      sll $2,$2,0x2
402734:    02 02 02 00
402738:    42 00 00 00      addu $2,$2,$3
40273c:    00 02 03 02
free.c:145
402740:    43 00 00 00      addiu $3,$0,1
402744:    01 00 03 00
402748:    34 00 00 00      sw $3,4($2)
40274c:    04 00 03 02
free.c:150
402750:    28 00 00 00      lw $3,-32552($28)
402754:    d8 80 03 1c
free.c:148

```

```

402758:      43 00 00 00      addiu $5,$5,1
40275c:      01 00 05 05
402760:      34 00 00 00      sw $5,-32520($28)
402764:      f8 80 05 1c
free.c:151
402768:      28 00 00 00      lw $5,-32528($28)
40276c:      f0 80 05 1c
free.c:149
402770:      43 00 00 00      addiu $6,$6,4096
402774:      00 10 06 06
free.c:144
402778:      34 00 00 00      sw $0,0($2)
40277c:      00 00 00 02
free.c:150
402780:      43 00 00 00      addiu $2,$0,4096
402784:      00 10 02 00
402788:      5a 00 00 00      srav $2,$2,$9
40278c:      00 02 02 09
free.c:149
402790:      34 00 00 00      sw $6,-32560($28)
402794:      d0 80 06 1c
free.c:150
402798:      45 00 00 00      subu $3,$3,$2
40279c:      00 03 02 03
free.c:151
4027a0:      43 00 00 00      addiu $5,$5,-4096
4027a4:      00 f0 05 05
free.c:150
4027a8:      34 00 00 00      sw $3,-32552($28)
4027ac:      d8 80 03 1c
free.c:151
4027b0:      34 00 00 00      sw $5,-32528($28)
4027b4:      f0 80 05 1c
free.c:153
4027b8:      02 00 00 00      jal 402900 <free>
4027bc:      40 0a 10 00
free.c:154
4027c0:      01 00 00 00      j 4028c8 <_free_internal+0x878>
4027c4:      32 0a 10 00
free.c:155
4027c8:      05 00 00 00      beq $3,$0,402838 <_free_internal+0x7e8>
4027cc:      1a 00 00 03
free.c:161
4027d0:      28 00 00 00      lw $2,0($7)
4027d4:      00 00 02 07
4027d8:      34 00 00 00      sw $2,0($6)
4027dc:      00 00 02 06
free.c:162
4027e0:      34 00 00 00      sw $7,4($6)
4027e4:      04 00 07 06
free.c:163
4027e8:      34 00 00 00      sw $6,0($7)
4027ec:      00 00 06 07
free.c:164
4027f0:      28 00 00 00      lw $2,0($6)
4027f4:      00 00 02 06
4027f8:      05 00 00 00      beq $2,$0,402808 <_free_internal+0x7b8>
4027fc:      02 00 00 02
free.c:165
402800:      34 00 00 00      sw $6,4($2)
402804:      04 00 06 02
free.c:166
402808:      28 00 00 00      lw $3,-32536($28)

```

```

40280c:    e8 80 03 1c
402810:    42 00 00 00      addu $3,$11,$3
402814:    00 03 03 0b
402818:    28 00 00 00      lw $2,4($3)
40281c:    04 00 02 03
402820:    43 00 00 00      addiu $2,$2,1
402824:    01 00 02 02
402828:    34 00 00 00      sw $2,4($3)
40282c:    04 00 02 03
free.c:167
402830:    01 00 00 00      j 4028c8 <_free_internal+0x878>
402834:    32 0a 10 00
free.c:173
402838:    42 00 00 00      addu $7,$0,$6
40283c:    00 07 06 00
free.c:175
402840:    4f 00 00 00      andi $2,$7,4095
402844:    ff 0f 02 07
402848:    58 00 00 00      srlv $2,$2,$9
40284c:    00 02 02 09
402850:    34 00 00 00      sw $2,8($8)
402854:    08 00 02 08
free.c:178
402858:    55 00 00 00      sll $2,$9,0x3
40285c:    03 02 09 00
free.c:174
402860:    34 00 00 00      sw $10,4($8)
402864:    04 00 0a 08
free.c:178
402868:    a2 00 00 00      lui $3,4096
40286c:    00 10 03 00
402870:    42 00 00 00      addu $3,$3,$2
402874:    00 03 02 03
402878:    28 00 00 00      lw $3,1008($3)
40287c:    f0 03 03 03
402880:    34 00 00 00      sw $3,0($7)
402884:    00 00 03 07
free.c:179
402888:    a2 00 00 00      lui $3,4096
40288c:    00 10 03 00
402890:    43 00 00 00      addiu $3,$3,1008
402894:    f0 03 03 03
402898:    42 00 00 00      addu $2,$2,$3
40289c:    00 02 03 02
4028a0:    34 00 00 00      sw $2,4($7)
4028a4:    04 00 02 07
free.c:180
4028a8:    34 00 00 00      sw $7,0($2)
4028ac:    00 00 07 02
free.c:181
4028b0:    28 00 00 00      lw $2,0($7)
4028b4:    00 00 02 07
4028b8:    05 00 00 00      beq $2,$0,4028c8 <_free_internal+0x878>
4028bc:    02 00 00 02
free.c:182
4028c0:    34 00 00 00      sw $7,4($2)
4028c4:    04 00 07 02
free.c:186
4028c8:    28 00 00 00      lw $31,32($29)
4028cc:    20 00 1f 1d
4028d0:    28 00 00 00      lw $19,28($29)
4028d4:    1c 00 13 1d
4028d8:    28 00 00 00      lw $18,24($29)

```

```

4028dc:      18 00 12 1d
4028e0:      28 00 00 00      lw $17,20($29)
4028e4:      14 00 11 1d
4028e8:      28 00 00 00      lw $16,16($29)
4028ec:      10 00 10 1d
4028f0:      43 00 00 00      addiu $29,$29,40
4028f4:      28 00 1d 1d
4028f8:      03 00 00 00      jr $31
4028fc:      00 00 00 1f

00402900 <free>:
free():
free.c:191
402900:      43 00 00 00      addiu $29,$29,-24
402904:      e8 ff 1d 1d
402908:      34 00 00 00      sw $31,16($29)
40290c:      10 00 1f 1d
free.c:195
402910:      05 00 00 00      beq $4,$0,402988 <free+0x88>
402914:      1c 00 00 04
free.c:198
402918:      28 00 00 00      lw $3,-32672($28)
40291c:      60 80 03 1c
402920:      05 00 00 00      beq $3,$0,402948 <free+0x48>
402924:      08 00 00 03
free.c:199
402928:      28 00 00 00      lw $2,4($3)
40292c:      04 00 02 03
402930:      05 00 00 00      beq $2,$4,402968 <free+0x68>
402934:      0c 00 04 02
free.c:198
402938:      28 00 00 00      lw $3,0($3)
40293c:      00 00 03 03
402940:      06 00 00 00      bne $3,$0,402928 <free+0x28>
402944:      f8 ff 00 03
free.c:206
402948:      28 00 00 00      lw $2,-32512($28)
40294c:      00 81 02 1c
402950:      05 00 00 00      beq $2,$0,402980 <free+0x80>
402954:      0a 00 00 02
free.c:207
402958:      04 00 00 00      jalr $31,$2
40295c:      00 1f 00 02
402960:      01 00 00 00      j 402988 <free+0x88>
402964:      62 0a 10 00
free.c:202
402968:      28 00 00 00      lw $4,8($3)
40296c:      08 00 04 03
free.c:201
402970:      34 00 00 00      sw $0,4($3)
402974:      04 00 00 03
free.c:203
402978:      01 00 00 00      j 402948 <free+0x48>
40297c:      52 0a 10 00
free.c:209
402980:      02 00 00 00      jal 402050 <_free_internal>
402984:      14 08 10 00
free.c:210
402988:      28 00 00 00      lw $31,16($29)
40298c:      10 00 1f 1d
402990:      43 00 00 00      addiu $29,$29,24
402994:      18 00 1d 1d
402998:      03 00 00 00      jr $31

```


40299c: 00 00 00 1f

004029a0 <strchr>:

strchr():

```
../sysdeps/generic/strchr.c:31
4029a0: 43 00 00 00      addiu $29,$29,-16
4029a4: f0 ff 1d 1d
../sysdeps/generic/strchr.c:36
4029a8: 4f 00 00 00      andi $5,$5,255
4029ac: ff 00 05 05
../sysdeps/generic/strchr.c:41
4029b0: 4f 00 00 00      andi $2,$4,3
4029b4: 03 00 02 04
4029b8: 05 00 00 00      beq $2,$0,4029f0 <strchr+0x50>
4029bc: 0c 00 00 02
../sysdeps/generic/strchr.c:43
4029c0: 22 00 00 00      lbu $2,0($4)
4029c4: 00 00 02 04
4029c8: 05 00 00 00      beq $2,$5,402b18 <strchr+0x178>
4029cc: 52 00 05 02
../sysdeps/generic/strchr.c:45
4029d0: 05 00 00 00      beq $2,$0,402b28 <strchr+0x188>
4029d4: 54 00 00 02
../sysdeps/generic/strchr.c:42
4029d8: 43 00 00 00      addiu $4,$4,1
4029dc: 01 00 04 04
../sysdeps/generic/strchr.c:41
4029e0: 4f 00 00 00      andi $2,$4,3
4029e4: 03 00 02 04
4029e8: 06 00 00 00      bne $2,$0,4029c0 <strchr+0x20>
4029ec: f4 ff 00 02
../sysdeps/generic/strchr.c:64
4029f0: a2 00 00 00      lui $8,32510
4029f4: fe 7e 08 00
4029f8: 51 00 00 00      ori $8,$8,65279
4029fc: ff fe 08 08
../sysdeps/generic/strchr.c:71
402a00: 55 00 00 00      sll $2,$5,0x8
402a04: 08 02 05 00
402a08: 50 00 00 00      or $9,$5,$2
402a0c: 00 09 02 05
../sysdeps/generic/strchr.c:72
402a10: 55 00 00 00      sll $2,$9,0x10
402a14: 10 02 09 00
402a18: 50 00 00 00      or $9,$9,$2
402a1c: 00 09 02 09
../sysdeps/generic/strchr.c:117
402a20: 28 00 00 00      lw $6,0($4)
402a24: 00 00 06 04
../sysdeps/generic/strchr.c:120
402a28: 54 00 00 00      nor $7,$0,$8
402a2c: 00 07 08 00
../sysdeps/generic/strchr.c:117
402a30: 43 00 00 00      addiu $4,$4,4
402a34: 04 00 04 04
../sysdeps/generic/strchr.c:120
402a38: 42 00 00 00      addu $3,$6,$8
402a3c: 00 03 08 06
402a40: 54 00 00 00      nor $2,$0,$6
402a44: 00 02 06 00
402a48: 52 00 00 00      xor $3,$3,$2
402a4c: 00 03 02 03
402a50: 4e 00 00 00      and $3,$3,$7
```

```
402a54: 00 03 07 03
402a58: 06 00 00 00      bne $3,$0,402a90 <strchr+0xf0>
402a5c: 0c 00 00 03
402a60: 52 00 00 00      xor $2,$6,$9
402a64: 00 02 09 06
402a68: 42 00 00 00      addu $3,$2,$8
402a6c: 00 03 08 02
402a70: 54 00 00 00      nor $2,$0,$2
402a74: 00 02 02 00
402a78: 52 00 00 00      xor $3,$3,$2
402a7c: 00 03 02 03
402a80: 4e 00 00 00      and $3,$3,$7
402a84: 00 03 07 03
402a88: 05 00 00 00      beq $3,$0,402a20 <strchr+0x80>
402a8c: e4 ff 00 03
../sysdeps/generic/strchr.c:139
402a90: 22 00 00 00      lbu $3,-4($4)
402a94: fc ff 03 04
../sysdeps/generic/strchr.c:137
402a98: 43 00 00 00      addiu $2,$4,-4
402a9c: fc ff 02 04
../sysdeps/generic/strchr.c:139
402aa0: 05 00 00 00      beq $3,$5,402b30 <strchr+0x190>
402aa4: 22 00 05 03
../sysdeps/generic/strchr.c:141
402aa8: 05 00 00 00      beq $3,$0,402b28 <strchr+0x188>
402aac: 1e 00 00 03
../sysdeps/generic/strchr.c:143
402ab0: 22 00 00 00      lbu $3,-3($4)
402ab4: fd ff 03 04
402ab8: 43 00 00 00      addiu $2,$4,-3
402abc: fd ff 02 04
402ac0: 05 00 00 00      beq $3,$5,402b30 <strchr+0x190>
402ac4: 1a 00 05 03
../sysdeps/generic/strchr.c:145
402ac8: 05 00 00 00      beq $3,$0,402b28 <strchr+0x188>
402acc: 16 00 00 03
../sysdeps/generic/strchr.c:147
402ad0: 22 00 00 00      lbu $3,-2($4)
402ad4: fe ff 03 04
402ad8: 43 00 00 00      addiu $2,$4,-2
402adc: fe ff 02 04
402ae0: 05 00 00 00      beq $3,$5,402b30 <strchr+0x190>
402ae4: 12 00 05 03
../sysdeps/generic/strchr.c:149
402ae8: 05 00 00 00      beq $3,$0,402b28 <strchr+0x188>
402aec: 0e 00 00 03
../sysdeps/generic/strchr.c:151
402af0: 22 00 00 00      lbu $3,-1($4)
402af4: ff ff 03 04
402af8: 43 00 00 00      addiu $2,$4,-1
402afc: ff ff 02 04
402b00: 05 00 00 00      beq $3,$5,402b30 <strchr+0x190>
402b04: 0a 00 05 03
../sysdeps/generic/strchr.c:153
402b08: 06 00 00 00      bne $3,$0,402a20 <strchr+0x80>
402b0c: c4 ff 00 03
../sysdeps/generic/strchr.c:154
402b10: 01 00 00 00      j 402b28 <strchr+0x188>
402b14: ca 0a 10 00
../sysdeps/generic/strchr.c:44
402b18: 42 00 00 00      addu $2,$0,$4
402b1c: 00 02 04 00
```

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```
402b20:      01 00 00 00      j 402b30 <strchr+0x190>
402b24:      cc 0a 10 00
../sysdeps/generic/strchr.c:46
402b28:      42 00 00 00      addu $2,$0,$0
402b2c:      00 02 00 00
../sysdeps/generic/strchr.c:178
402b30:      43 00 00 00      addiu $29,$29,16
402b34:      10 00 1d 1d
402b38:      03 00 00 00      jr $31
402b3c:      00 00 00 1f
```

00402b40 <__stdio_check_funcs>:

__stdio_check_funcs():

internals.c:29

```
402b40:      43 00 00 00      addiu $29,$29,-24
402b44:      e8 ff 1d 1d
402b48:      34 00 00 00      sw $16,16($29)
402b4c:      10 00 10 1d
402b50:      42 00 00 00      addu $16,$0,$4
402b54:      00 10 04 00
402b58:      34 00 00 00      sw $31,20($29)
402b5c:      14 00 1f 1d
```

internals.c:30

```
402b60:      28 00 00 00      lw $2,76($16)
402b64:      4c 00 02 10
402b68:      4f 00 00 00      andi $2,$2,16384
402b6c:      00 40 02 02
402b70:      06 00 00 00      bne $2,$0,402c28 <__stdio_check_funcs+0xe8>
402b74:      2c 00 00 02
```

internals.c:38

```
402b78:      28 00 00 00      lw $2,-32656($28)
402b7c:      70 80 02 1c
402b80:      a2 00 00 00      lui $3,4096
402b84:      00 10 03 00
402b88:      28 00 00 00      lw $3,852($3)
402b8c:      54 03 03 03
402b90:      34 00 00 00      sw $2,52($16)
402b94:      34 00 02 10
402b98:      34 00 00 00      sw $3,56($16)
402b9c:      38 00 03 10
```

internals.c:39

```
402ba0:      a2 00 00 00      lui $5,4096
402ba4:      00 10 05 00
402ba8:      43 00 00 00      addiu $5,$5,0
402bac:      00 00 05 05
402bb0:      28 00 00 00      lw $2,0($5)
402bb4:      00 00 02 05
402bb8:      28 00 00 00      lw $3,4($5)
402bbc:      04 00 03 05
402bc0:      28 00 00 00      lw $4,8($5)
402bc4:      08 00 04 05
402bc8:      34 00 00 00      sw $2,32($16)
402bcc:      20 00 02 10
402bd0:      34 00 00 00      sw $3,36($16)
402bd4:      24 00 03 10
402bd8:      34 00 00 00      sw $4,40($16)
402bdc:      28 00 04 10
402be0:      28 00 00 00      lw $2,12($5)
402be4:      0c 00 02 05
402be8:      28 00 00 00      lw $3,16($5)
402bec:      10 00 03 05
402bf0:      34 00 00 00      sw $2,44($16)
402bf4:      2c 00 02 10
```

```

402bf8:      34 00 00 00      sw $3,48($16)
402bfc:      30 00 03 10
internals.c:40
402c00:      42 00 00 00      addu $4,$0,$16
402c04:      00 04 10 00
402c08:      02 00 00 00      jal 4055e0 <__stdio_init_stream>
402c0c:      78 15 10 00
internals.c:41
402c10:      28 00 00 00      lw $2,76($16)
402c14:      4c 00 02 10
402c18:      51 00 00 00      ori $2,$2,16384
402c1c:      00 40 02 02
402c20:      34 00 00 00      sw $2,76($16)
402c24:      4c 00 02 10
internals.c:43
402c28:      28 00 00 00      lw $31,20($29)
402c2c:      14 00 1f 1d
402c30:      28 00 00 00      lw $16,16($29)
402c34:      10 00 10 1d
402c38:      43 00 00 00      addiu $29,$29,24
402c3c:      18 00 1d 1d
402c40:      03 00 00 00      jr $31
402c44:      00 00 00 1f

00402c48 <__stdio_check_offset>:
__stdio_check_offset():
internals.c:100
402c48:      43 00 00 00      addiu $29,$29,-40
402c4c:      d8 ff 1d 1d
402c50:      34 00 00 00      sw $16,24($29)
402c54:      18 00 10 1d
402c58:      42 00 00 00      addu $16,$0,$4
402c5c:      00 10 04 00
402c60:      34 00 00 00      sw $31,32($29)
402c64:      20 00 1f 1d
402c68:      34 00 00 00      sw $17,28($29)
402c6c:      1c 00 11 1d
402c70:      28 00 00 00      lw $2,76($16)
402c74:      4c 00 02 10
402c78:      4f 00 00 00      andi $2,$2,16384
402c7c:      00 40 02 02
402c80:      06 00 00 00      bne $2,$0,402d38 <__stdio_check_offset+0xf0>
402c84:      2c 00 00 02
402c88:      28 00 00 00      lw $2,-32656($28)
402c8c:      70 80 02 1c
402c90:      a2 00 00 00      lui $3,4096
402c94:      00 10 03 00
402c98:      28 00 00 00      lw $3,852($3)
402c9c:      54 03 03 03
402ca0:      34 00 00 00      sw $2,52($16)
402ca4:      34 00 02 10
402ca8:      34 00 00 00      sw $3,56($16)
402cac:      38 00 03 10
402cb0:      a2 00 00 00      lui $5,4096
402cb4:      00 10 05 00
402cb8:      43 00 00 00      addiu $5,$5,0
402cbc:      00 00 05 05
402cc0:      28 00 00 00      lw $2,0($5)
402cc4:      00 00 02 05
402cc8:      28 00 00 00      lw $3,4($5)
402ccc:      04 00 03 05
402cd0:      28 00 00 00      lw $4,8($5)
402cd4:      08 00 04 05

```

```
402cd8: 34 00 00 00      sw $2,32($16)
402cdc: 20 00 02 10
402ce0: 34 00 00 00      sw $3,36($16)
402ce4: 24 00 03 10
402ce8: 34 00 00 00      sw $4,40($16)
402cec: 28 00 04 10
402cf0: 28 00 00 00      lw $2,12($5)
402cf4: 0c 00 02 05
402cf8: 28 00 00 00      lw $3,16($5)
402cfc: 10 00 03 05
402d00: 34 00 00 00      sw $2,44($16)
402d04: 2c 00 02 10
402d08: 34 00 00 00      sw $3,48($16)
402d0c: 30 00 03 10
402d10: 42 00 00 00      addu $4,$0,$16
402d14: 00 04 10 00
402d18: 02 00 00 00      jal 4055e0 <__stdio_init_stream>
402d1c: 78 15 10 00
402d20: 28 00 00 00      lw $2,76($16)
402d24: 4c 00 02 10
402d28: 51 00 00 00      ori $2,$2,16384
402d2c: 00 40 02 02
402d30: 34 00 00 00      sw $2,76($16)
402d34: 4c 00 02 10
402d38: 28 00 00 00      lw $2,16($16)
402d3c: 10 00 02 10
402d40: 06 00 00 00      bne $2,$0,402e20 <__stdio_check_offset+0x1d8>
402d44: 36 00 00 02
402d48: 28 00 00 00      lw $2,76($16)
402d4c: 4c 00 02 10
402d50: 4f 00 00 00      andi $2,$2,2048
402d54: 00 08 02 02
402d58: 06 00 00 00      bne $2,$0,402e20 <__stdio_check_offset+0x1d8>
402d5c: 30 00 00 02
402d60: 28 00 00 00      lw $2,20($16)
402d64: 14 00 02 10
402d68: 06 00 00 00      bne $2,$0,402d80 <__stdio_check_offset+0x138>
402d6c: 04 00 00 02
402d70: 43 00 00 00      addiu $2,$0,1024
402d74: 00 04 02 00
402d78: 34 00 00 00      sw $2,20($16)
402d7c: 14 00 02 10
402d80: 28 00 00 00      lw $4,20($16)
402d84: 14 00 04 10
402d88: 28 00 00 00      lw $17,-32592($28)
402d8c: b0 80 11 1c
402d90: 5e 00 00 00      sltiu $2,$4,128
402d94: 80 00 02 04
402d98: 06 00 00 00      bne $2,$0,402de8 <__stdio_check_offset+0x1a0>
402d9c: 12 00 00 02
402da0: 02 00 00 00      jal 400ff8 <malloc>
402da4: fe 03 10 00
402da8: 34 00 00 00      sw $2,16($16)
402dac: 10 00 02 10
402db0: 06 00 00 00      bne $2,$0,402de8 <__stdio_check_offset+0x1a0>
402db4: 0c 00 00 02
402db8: 28 00 00 00      lw $2,20($16)
402dbc: 14 00 02 10
402dc0: 57 00 00 00      srl $2,$2,0x1
402dc4: 01 02 02 00
402dc8: 42 00 00 00      addu $4,$0,$2
402dcc: 00 04 02 00
402dd0: 5e 00 00 00      sltiu $2,$4,128
```

```
402dd4:      80 00 02 04
402dd8:      34 00 00 00      sw $4,20($16)
402ddc:      14 00 04 10
402de0:      05 00 00 00      beq $2,$0,402da0 <__stdio_check_offset+0x158>
402de4:      ee ff 00 02
402de8:      28 00 00 00      lw $2,16($16)
402dec:      10 00 02 10
402df0:      34 00 00 00      sw $17,-32592($28)
402df4:      b0 80 11 1c
402df8:      06 00 00 00      bne $2,$0,402e20 <__stdio_check_offset+0x1d8>
402dfc:      08 00 00 02
402e00:      28 00 00 00      lw $2,76($16)
402e04:      4c 00 02 10
402e08:      34 00 00 00      sw $0,20($16)
402e0c:      14 00 00 10
402e10:      51 00 00 00      ori $2,$2,2048
402e14:      00 08 02 02
402e18:      34 00 00 00      sw $2,76($16)
402e1c:      4c 00 02 10
402e20:      28 00 00 00      lw $2,4($16)
402e24:      04 00 02 10
402e28:      06 00 00 00      bne $2,$0,402e58 <__stdio_check_offset+0x210>
402e2c:      0a 00 00 02
402e30:      28 00 00 00      lw $2,16($16)
402e34:      10 00 02 10
402e38:      28 00 00 00      lw $3,16($16)
402e3c:      10 00 03 10
402e40:      34 00 00 00      sw $2,4($16)
402e44:      04 00 02 10
402e48:      34 00 00 00      sw $3,8($16)
402e4c:      08 00 03 10
402e50:      34 00 00 00      sw $3,12($16)
402e54:      0c 00 03 10
internals.c:103
402e58:      28 00 00 00      lw $3,60($16)
402e5c:      3c 00 03 10
402e60:      43 00 00 00      addiu $2,$0,-1
402e64:      ff ff 02 00
402e68:      06 00 00 00      bne $3,$2,402f10 <__stdio_check_offset+0x2c8>
402e6c:      28 00 02 03
internals.c:106
402e70:      28 00 00 00      lw $2,40($16)
402e74:      28 00 02 10
402e78:      06 00 00 00      bne $2,$0,402ea0 <__stdio_check_offset+0x258>
402e7c:      08 00 00 02
internals.c:109
402e80:      43 00 00 00      addiu $2,$0,29
402e84:      1d 00 02 00
402e88:      34 00 00 00      sw $2,-32592($28)
402e8c:      b0 80 02 1c
internals.c:110
402e90:      43 00 00 00      addiu $2,$0,-1
402e94:      ff ff 02 00
402e98:      01 00 00 00      j 402f40 <__stdio_check_offset+0x2f8>
402e9c:      d0 0b 10 00
internals.c:116
402ea0:      28 00 00 00      lw $4,24($16)
402ea4:      18 00 04 10
internals.c:115
402ea8:      34 00 00 00      sw $0,16($29)
402eac:      10 00 00 1d
internals.c:116
402eb0:      28 00 00 00      lw $2,40($16)
```

```

402eb4:      28 00 02 10
402eb8:      43 00 00 00      addiu $5,$29,16
402ebc:      10 00 05 1d
402ec0:      43 00 00 00      addiu $6,$0,1
402ec4:      01 00 06 00
402ec8:      04 00 00 00      jalr $31,$2
402ecc:      00 1f 00 02
402ed0:      0a 00 00 00      bgez $2,402f00 <__stdio_check_offset+0x2b8>
402ed4:      0a 00 00 02
internals.c:119
402ed8:      28 00 00 00      lw $3,-32592($28)
402edc:      b0 80 03 1c
402ee0:      43 00 00 00      addiu $2,$0,29
402ee4:      1d 00 02 00
402ee8:      06 00 00 00      bne $3,$2,402e90 <__stdio_check_offset+0x248>
402eec:      e8 ff 02 03
internals.c:121
402ef0:      34 00 00 00      sw $0,40($16)
402ef4:      28 00 00 10
internals.c:122
402ef8:      01 00 00 00      j 402e90 <__stdio_check_offset+0x248>
402efc:      a4 0b 10 00
internals.c:124
402f00:      28 00 00 00      lw $2,16($29)
402f04:      10 00 02 1d
402f08:      34 00 00 00      sw $2,60($16)
402f0c:      3c 00 02 10
internals.c:128
402f10:      28 00 00 00      lw $3,64($16)
402f14:      40 00 03 10
402f18:      43 00 00 00      addiu $2,$0,-1
402f1c:      ff ff 02 00
402f20:      06 00 00 00      bne $3,$2,402f38 <__stdio_check_offset+0x2f0>
402f24:      04 00 02 03
internals.c:132
402f28:      28 00 00 00      lw $2,60($16)
402f2c:      3c 00 02 10
402f30:      34 00 00 00      sw $2,64($16)
402f34:      40 00 02 10
internals.c:134
402f38:      42 00 00 00      addu $2,$0,$0
402f3c:      00 02 00 00
internals.c:135
402f40:      28 00 00 00      lw $31,32($29)
402f44:      20 00 1f 1d
402f48:      28 00 00 00      lw $17,28($29)
402f4c:      1c 00 11 1d
402f50:      28 00 00 00      lw $16,24($29)
402f54:      18 00 10 1d
402f58:      43 00 00 00      addiu $29,$29,40
402f5c:      28 00 1d 1d
402f60:      03 00 00 00      jr $31
402f64:      00 00 00 1f
00402f68 <flushbuf>:
flushbuf():
internals.c:188
402f68:      43 00 00 00      addiu $29,$29,-72
402f6c:      b8 ff 1d 1d
402f70:      34 00 00 00      sw $16,32($29)
402f74:      20 00 10 1d
402f78:      42 00 00 00      addu $16,$0,$4
402f7c:      00 10 04 00

```

```

402f80:      34 00 00 00      sw $20,48($29)
402f84:      30 00 14 1d
402f88:      42 00 00 00      addu $20,$0,$5
402f8c:      00 14 05 00
internals.c:189
402f90:      54 00 00 00      nor $2,$0,$20
402f94:      00 02 14 00
internals.c:188
402f98:      34 00 00 00      sw $21,52($29)
402f9c:      34 00 15 1d
internals.c:189
402fa0:      5e 00 00 00      sltiu $21,$2,1
402fa4:      01 00 15 02
internals.c:188
402fa8:      34 00 00 00      sw $31,64($29)
402fac:      40 00 1f 1d
402fb0:      34 00 00 00      sw $23,60($29)
402fb4:      3c 00 17 1d
402fb8:      34 00 00 00      sw $22,56($29)
402fbc:      38 00 16 1d
402fc0:      34 00 00 00      sw $19,44($29)
402fc4:      2c 00 13 1d
402fc8:      34 00 00 00      sw $18,40($29)
402fcc:      28 00 12 1d
402fd0:      34 00 00 00      sw $17,36($29)
402fd4:      24 00 11 1d
internals.c:196
402fd8:      28 00 00 00      lw $5,12($16)
402fdc:      0c 00 05 10
402fe0:      28 00 00 00      lw $2,16($16)
402fe4:      10 00 02 10
internals.c:194
402fe8:      42 00 00 00      addu $23,$0,$0
402fec:      00 17 00 00
internals.c:189
402ff0:      43 00 00 00      addiu $22,$0,-1
402ff4:      ff ff 16 00
internals.c:196
402ff8:      06 00 00 00      bne $5,$2,4032a0 <flushbuf+0x338>
402ffc:      a8 00 02 05
internals.c:200
403000:      42 00 00 00      addu $19,$0,$0
403004:      00 13 00 00
internals.c:204
403008:      28 00 00 00      lw $2,4($16)
40300c:      04 00 02 10
403010:      28 00 00 00      lw $3,64($16)
403014:      40 00 03 10
internals.c:206
403018:      28 00 00 00      lw $4,28($16)
40301c:      1c 00 04 10
internals.c:204
403020:      45 00 00 00      subu $2,$2,$5
403024:      00 02 05 02
403028:      42 00 00 00      addu $2,$2,$3
40302c:      00 02 03 02
403030:      34 00 00 00      sw $2,64($16)
403034:      40 00 02 10
internals.c:206
403038:      4f 00 00 00      andi $2,$4,1
40303c:      01 00 02 04
403040:      05 00 00 00      beq $2,$0,4031f8 <flushbuf+0x290>
403044:      6c 00 00 02

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403048:      28 00 00 00      lw $2,52($16)
40304c:      34 00 02 10
403050:      05 00 00 00      beq $2,$0,4031f8 <flushbuf+0x290>
403054:      68 00 00 02
403058:      4f 00 00 00      andi $2,$4,4
40305c:      04 00 02 04
403060:      06 00 00 00      bne $2,$0,4031f8 <flushbuf+0x290>
403064:      64 00 00 02
internals.c:209
403068:      28 00 00 00      lw $18,-32592($28)
40306c:      b0 80 12 1c
internals.c:210
403070:      28 00 00 00      lw $2,16($16)
403074:      10 00 02 10
403078:      42 00 00 00      addu $17,$0,$0
40307c:      00 11 00 00
403080:      05 00 00 00      beq $2,$0,4030d8 <flushbuf+0x170>
403084:      14 00 00 02
403088:      42 00 00 00      addu $4,$0,$16
40308c:      00 04 10 00
403090:      02 00 00 00      jal 402c48 <__stdio_check_offset>
403094:      12 0b 10 00
403098:      05 00 00 00      beq $2,$22,4030d8 <flushbuf+0x170>
40309c:      0e 00 16 02
4030a0:      28 00 00 00      lw $2,64($16)
4030a4:      40 00 02 10
4030a8:      28 00 00 00      lw $3,20($16)
4030ac:      14 00 03 10
4030b0:      49 00 00 00      divu $0,$2,$3
4030b4:      00 00 03 02
4030b8:      06 00 00 00      bne $3,$0,4030c8 <flushbuf+0x160>
4030bc:      02 00 00 03
4030c0:      a1 00 00 00      break
4030c4:      07 00 00 00
4030c8:      4a 00 00 00      mfhi $3
4030cc:      00 03 00 00
4030d0:      06 00 00 00      bne $3,$0,4030e0 <flushbuf+0x178>
4030d4:      02 00 00 03
4030d8:      43 00 00 00      addiu $17,$0,1
4030dc:      01 00 11 00
internals.c:213
4030e0:      34 00 00 00      sw $18,-32592($28)
4030e4:      b0 80 12 1c
internals.c:215
4030e8:      06 00 00 00      bne $17,$0,4031f0 <flushbuf+0x288>
4030ec:      40 00 00 11
internals.c:219
4030f0:      28 00 00 00      lw $3,64($16)
4030f4:      40 00 03 10
4030f8:      28 00 00 00      lw $2,20($16)
4030fc:      14 00 02 10
403100:      49 00 00 00      divu $0,$3,$2
403104:      00 00 02 03
403108:      06 00 00 00      bne $2,$0,403118 <flushbuf+0x1b0>
40310c:      02 00 00 02
403110:      a1 00 00 00      break
403114:      07 00 00 00
403118:      4a 00 00 00      mfhi $17
40311c:      00 11 00 00
internals.c:221
403120:      28 00 00 00      lw $2,52($16)
403124:      34 00 02 10
403128:      42 00 00 00      addu $4,$0,$16
```

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40312c: 00 04 10 00
internals.c:220
403130: 45 00 00 00      subu $3,$3,$17
403134: 00 03 11 03
403138: 34 00 00 00      sw $3,64($16)
40313c: 40 00 03 10
internals.c:221
403140: 04 00 00 00      jalr $31,$2
403144: 00 1f 00 02
403148: 43 00 00 00      addiu $3,$0,-1
40314c: ff ff 03 00
403150: 06 00 00 00      bne $2,$3,403170 <flushbuf+0x208>
403154: 06 00 03 02
403158: 28 00 00 00      lw $2,76($16)
40315c: 4c 00 02 10
403160: 4f 00 00 00      andi $2,$2,1024
403164: 00 04 02 02
403168: 06 00 00 00      bne $2,$0,403698 <flushbuf+0x730>
40316c: 4a 01 00 02
internals.c:224
403170: 28 00 00 00      lw $3,76($16)
403174: 4c 00 03 10
403178: 43 00 00 00      addiu $2,$0,-513
40317c: ff fd 02 00
internals.c:226
403180: 28 00 00 00      lw $4,8($16)
403184: 08 00 04 10
403188: 28 00 00 00      lw $5,16($16)
40318c: 10 00 05 10
internals.c:224
403190: 4e 00 00 00      and $3,$3,$2
403194: 00 03 02 03
403198: 43 00 00 00      addiu $2,$0,-1025
40319c: ff fb 02 00
4031a0: 4e 00 00 00      and $3,$3,$2
4031a4: 00 03 02 03
internals.c:226
4031a8: 45 00 00 00      subu $4,$4,$5
4031ac: 00 04 05 04
4031b0: 5d 00 00 00      sltu $4,$4,$17
4031b4: 00 04 11 04
internals.c:224
4031b8: 34 00 00 00      sw $3,76($16)
4031bc: 4c 00 03 10
internals.c:226
4031c0: 05 00 00 00      beq $4,$0,4031e8 <flushbuf+0x280>
4031c4: 08 00 00 04
internals.c:229
4031c8: 28 00 00 00      lw $2,64($16)
4031cc: 40 00 02 10
4031d0: 42 00 00 00      addu $2,$17,$2
4031d4: 00 02 02 11
4031d8: 34 00 00 00      sw $2,64($16)
4031dc: 40 00 02 10
4031e0: 01 00 00 00      j 4031f0 <flushbuf+0x288>
4031e4: 7c 0c 10 00
internals.c:233
4031e8: 42 00 00 00      addu $19,$0,$17
4031ec: 00 13 11 00
internals.c:239
4031f0: 43 00 00 00      addiu $23,$0,1
4031f4: 01 00 17 00
internals.c:242

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4031f8:      28 00 00 00      lw $4,16($16)
4031fc:      10 00 04 10
403200:      05 00 00 00      beq $4,$0,4032a0 <flushbuf+0x338>
403204:      26 00 00 04
internals.c:245
403208:      28 00 00 00      lw $2,20($16)
40320c:      14 00 02 10
internals.c:246
403210:      28 00 00 00      lw $3,16($16)
403214:      10 00 03 10
internals.c:245
403218:      42 00 00 00      addu $2,$4,$2
40321c:      00 02 02 04
internals.c:246
403220:      42 00 00 00      addu $3,$19,$3
403224:      00 03 03 13
internals.c:245
403228:      34 00 00 00      sw $2,12($16)
40322c:      0c 00 02 10
internals.c:246
403230:      34 00 00 00      sw $3,4($16)
403234:      04 00 03 10
internals.c:248
403238:      06 00 00 00      bne $21,$0,4032a0 <flushbuf+0x338>
40323c:      18 00 00 15
internals.c:253
403240:      43 00 00 00      addiu $2,$3,1
403244:      01 00 02 03
403248:      34 00 00 00      sw $2,4($16)
40324c:      04 00 02 10
403250:      30 00 00 00      sb $20,0($3)
403254:      00 00 14 03
internals.c:254
403258:      28 00 00 00      lw $2,76($16)
40325c:      4c 00 02 10
403260:      4f 00 00 00      andi $2,$2,4096
403264:      00 10 02 02
403268:      05 00 00 00      beq $2,$0,403288 <flushbuf+0x320>
40326c:      06 00 00 02
403270:      4f 00 00 00      andi $3,$20,255
403274:      ff 00 03 14
403278:      43 00 00 00      addiu $2,$0,10
40327c:      0a 00 02 00
403280:      05 00 00 00      beq $3,$2,403298 <flushbuf+0x330>
403284:      04 00 02 03
internals.c:259
403288:      42 00 00 00      addu $19,$0,$0
40328c:      00 13 00 00
internals.c:260
403290:      01 00 00 00      j 403640 <flushbuf+0x6d8>
403294:      90 0d 10 00
internals.c:264
403298:      43 00 00 00      addiu $21,$0,1
40329c:      01 00 15 00
internals.c:272
4032a0:      28 00 00 00      lw $2,4($16)
4032a4:      04 00 02 10
4032a8:      28 00 00 00      lw $4,16($16)
4032ac:      10 00 04 10
4032b0:      45 00 00 00      subu $19,$2,$4
4032b4:      00 13 04 02
internals.c:273
4032b8:      05 00 00 00      beq $19,$0,4032f0 <flushbuf+0x388>

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4032bc:    0c 00 00 13
4032c0:    28 00 00 00    lw $3,8($16)
4032c4:    08 00 03 10
4032c8:    42 00 00 00    addu $18,$0,$19
4032cc:    00 12 13 00
4032d0:    5d 00 00 00    sltu $2,$2,$3
4032d4:    00 02 03 02
4032d8:    05 00 00 00    beq $2,$0,4032f8 <flushbuf+0x390>
4032dc:    06 00 00 02
4032e0:    45 00 00 00    subu $18,$3,$4
4032e4:    00 12 04 03
4032e8:    01 00 00 00    j 4032f8 <flushbuf+0x390>
4032ec:    be 0c 10 00
4032f0:    42 00 00 00    addu $18,$0,$0
4032f4:    00 12 00 00
internals.c:278
4032f8:    28 00 00 00    lw $2,36($16)
4032fc:    24 00 02 10
403300:    05 00 00 00    beq $2,$0,403318 <flushbuf+0x3b0>
403304:    04 00 00 02
403308:    06 00 00 00    bne $18,$0,403348 <flushbuf+0x3e0>
40330c:    0e 00 00 12
403310:    05 00 00 00    beq $21,$0,403528 <flushbuf+0x5c0>
403314:    84 00 00 15
internals.c:284
403318:    28 00 00 00    lw $2,60($16)
40331c:    3c 00 02 10
internals.c:283
403320:    28 00 00 00    lw $3,16($16)
403324:    10 00 03 10
internals.c:284
403328:    42 00 00 00    addu $2,$18,$2
40332c:    00 02 02 12
internals.c:283
403330:    34 00 00 00    sw $3,4($16)
403334:    04 00 03 10
internals.c:284
403338:    34 00 00 00    sw $2,60($16)
40333c:    3c 00 02 10
internals.c:285
403340:    01 00 00 00    j 403640 <flushbuf+0x6d8>
403344:    90 0d 10 00
internals.c:294
403348:    28 00 00 00    lw $2,28($16)
40334c:    1c 00 02 10
403350:    4f 00 00 00    andi $2,$2,4
403354:    04 00 02 02
403358:    06 00 00 00    bne $2,$0,403468 <flushbuf+0x500>
40335c:    42 00 00 02
internals.c:295
403360:    28 00 00 00    lw $17,-32592($28)
403364:    b0 80 11 1c
403368:    42 00 00 00    addu $4,$0,$16
40336c:    00 04 10 00
403370:    02 00 00 00    jal 402c48 <__stdio_check_offset>
403374:    12 0b 10 00
403378:    43 00 00 00    addiu $3,$0,-1
40337c:    ff ff 03 00
403380:    06 00 00 00    bne $2,$3,4033b0 <flushbuf+0x448>
403384:    0a 00 03 02
403388:    28 00 00 00    lw $3,-32592($28)
40338c:    b0 80 03 1c
403390:    43 00 00 00    addiu $2,$0,29

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403394:      1d 00 02 00
403398:      06 00 00 00      bne $3,$2,403450 <flushbuf+0x4e8>
40339c:      2c 00 02 03
4033a0:      34 00 00 00      sw $17,-32592($28)
4033a4:      b0 80 11 1c
4033a8:      01 00 00 00      j 403468 <flushbuf+0x500>
4033ac:      1a 0d 10 00
4033b0:      28 00 00 00      lw $3,64($16)
4033b4:      40 00 03 10
4033b8:      28 00 00 00      lw $2,60($16)
4033bc:      3c 00 02 10
4033c0:      05 00 00 00      beq $3,$2,403468 <flushbuf+0x500>
4033c4:      28 00 02 03
4033c8:      28 00 00 00      lw $2,40($16)
4033cc:      28 00 02 10
4033d0:      06 00 00 00      bne $2,$0,4033f8 <flushbuf+0x490>
4033d4:      08 00 00 02
4033d8:      28 00 00 00      lw $2,76($16)
4033dc:      4c 00 02 10
4033e0:      43 00 00 00      addiu $3,$0,29
4033e4:      1d 00 03 00
4033e8:      34 00 00 00      sw $3,-32592($28)
4033ec:      b0 80 03 1c
4033f0:      01 00 00 00      j 403458 <flushbuf+0x4f0>
4033f4:      16 0d 10 00
4033f8:      28 00 00 00      lw $4,24($16)
4033fc:      18 00 04 10
403400:      28 00 00 00      lw $2,40($16)
403404:      28 00 02 10
403408:      43 00 00 00      addiu $5,$29,16
40340c:      10 00 05 1d
403410:      42 00 00 00      addu $6,$0,$0
403414:      00 06 00 00
403418:      34 00 00 00      sw $3,16($29)
40341c:      10 00 03 1d
403420:      04 00 00 00      jalr $31,$2
403424:      00 1f 00 02
403428:      09 00 00 00      bltz $2,403450 <flushbuf+0x4e8>
40342c:      08 00 00 02
403430:      28 00 00 00      lw $2,16($29)
403434:      10 00 02 1d
403438:      28 00 00 00      lw $3,64($16)
40343c:      40 00 03 10
403440:      34 00 00 00      sw $2,60($16)
403444:      3c 00 02 10
403448:      05 00 00 00      beq $2,$3,403468 <flushbuf+0x500>
40344c:      06 00 03 02
403450:      28 00 00 00      lw $2,76($16)
403454:      4c 00 02 10
403458:      51 00 00 00      ori $2,$2,1024
40345c:      00 04 02 02
403460:      34 00 00 00      sw $2,76($16)
403464:      4c 00 02 10
internals.c:297
403468:      28 00 00 00      lw $2,76($16)
40346c:      4c 00 02 10
403470:      4f 00 00 00      andi $2,$2,1024
403474:      00 04 02 02
403478:      06 00 00 00      bne $2,$0,403528 <flushbuf+0x5c0>
40347c:      2a 00 00 02
internals.c:300
403480:      28 00 00 00      lw $4,24($16)
403484:      18 00 04 10
```

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403488: 28 00 00 00 lw $5,16($16)
40348c: 10 00 05 10
403490: 28 00 00 00 lw $2,36($16)
403494: 24 00 02 10
403498: 42 00 00 00 addu $6,$0,$18
40349c: 00 06 12 00
4034a0: 04 00 00 00 jalr $31,$2
4034a4: 00 1f 00 02
4034a8: 42 00 00 00 addu $3,$0,$2
4034ac: 00 03 02 00
internals.c:302
4034b0: 07 00 00 00 blez $3,403500 <flushbuf+0x598>
4034b4: 12 00 00 03
internals.c:304
4034b8: 28 00 00 00 lw $2,28($16)
4034bc: 1c 00 02 10
4034c0: 4f 00 00 00 andi $2,$2,4
4034c4: 04 00 02 02
4034c8: 05 00 00 00 beq $2,$0,4034e8 <flushbuf+0x580>
4034cc: 06 00 00 02
internals.c:309
4034d0: 43 00 00 00 addiu $2,$0,-1
4034d4: ff ff 02 00
4034d8: 34 00 00 00 sw $2,64($16)
4034dc: 40 00 02 10
4034e0: 01 00 00 00 j 4034f8 <flushbuf+0x590>
4034e4: 3e 0d 10 00
internals.c:312
4034e8: 28 00 00 00 lw $2,60($16)
4034ec: 3c 00 02 10
4034f0: 42 00 00 00 addu $2,$3,$2
4034f4: 00 02 02 03
4034f8: 34 00 00 00 sw $2,60($16)
4034fc: 3c 00 02 10
internals.c:314
403500: 5b 00 00 00 slt $2,$3,$18
403504: 00 02 12 03
403508: 05 00 00 00 beq $2,$0,403528 <flushbuf+0x5c0>
40350c: 06 00 00 02
internals.c:317
403510: 28 00 00 00 lw $2,76($16)
403514: 4c 00 02 10
403518: 51 00 00 00 ori $2,$2,1024
40351c: 00 04 02 02
403520: 34 00 00 00 sw $2,76($16)
403524: 4c 00 02 10
internals.c:322
403528: 28 00 00 00 lw $2,16($16)
40352c: 10 00 02 10
403530: 34 00 00 00 sw $2,4($16)
403534: 04 00 02 10
internals.c:325
403538: 06 00 00 00 bne $21,$0,403640 <flushbuf+0x6d8>
40353c: 40 00 00 15
403540: 28 00 00 00 lw $3,76($16)
403544: 4c 00 03 10
403548: 4f 00 00 00 andi $2,$3,1024
40354c: 00 04 02 03
403550: 06 00 00 00 bne $2,$0,403640 <flushbuf+0x6d8>
403554: 3a 00 00 02
internals.c:327
403558: 28 00 00 00 lw $2,16($16)
40355c: 10 00 02 10
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403560:    05 00 00 00    beq $2,$0,403590 <flushbuf+0x628>
403564:    0a 00 00 02
403568:    4f 00 00 00    andi $2,$3,4096
40356c:    00 10 02 03
403570:    05 00 00 00    beq $2,$0,403620 <flushbuf+0x6b8>
403574:    2a 00 00 02
403578:    4f 00 00 00    andi $3,$20,255
40357c:    ff 00 03 14
403580:    43 00 00 00    addiu $2,$0,10
403584:    0a 00 02 00
403588:    06 00 00 00    bne $3,$2,403620 <flushbuf+0x6b8>
40358c:    24 00 02 03
internals.c:332
403590:    28 00 00 00    lw $4,24($16)
403594:    18 00 04 10
403598:    28 00 00 00    lw $2,36($16)
40359c:    24 00 02 10
4035a0:    43 00 00 00    addiu $5,$29,24
4035a4:    18 00 05 1d
4035a8:    43 00 00 00    addiu $6,$0,1
4035ac:    01 00 06 00
internals.c:331
4035b0:    30 00 00 00    sb $20,24($29)
4035b4:    18 00 14 1d
internals.c:332
4035b8:    04 00 00 00    jalr $31,$2
4035bc:    00 1f 00 02
4035c0:    08 00 00 00    bgtz $2,4035e8 <flushbuf+0x680>
4035c4:    08 00 00 02
internals.c:333
4035c8:    28 00 00 00    lw $2,76($16)
4035cc:    4c 00 02 10
4035d0:    51 00 00 00    ori $2,$2,1024
4035d4:    00 04 02 02
4035d8:    34 00 00 00    sw $2,76($16)
4035dc:    4c 00 02 10
4035e0:    01 00 00 00    j 403640 <flushbuf+0x6d8>
4035e4:    90 0d 10 00
internals.c:337
4035e8:    28 00 00 00    lw $2,60($16)
4035ec:    3c 00 02 10
internals.c:338
4035f0:    28 00 00 00    lw $3,64($16)
4035f4:    40 00 03 10
internals.c:337
4035f8:    43 00 00 00    addiu $2,$2,1
4035fc:    01 00 02 02
internals.c:338
403600:    43 00 00 00    addiu $3,$3,1
403604:    01 00 03 03
internals.c:337
403608:    34 00 00 00    sw $2,60($16)
40360c:    3c 00 02 10
internals.c:338
403610:    34 00 00 00    sw $3,64($16)
403614:    40 00 03 10
internals.c:340
403618:    01 00 00 00    j 403640 <flushbuf+0x6d8>
40361c:    90 0d 10 00
internals.c:343
403620:    28 00 00 00    lw $3,4($16)
403624:    04 00 03 10
403628:    43 00 00 00    addiu $2,$3,1

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```

40362c:    01 00 02 03
403630:    34 00 00 00      sw $2,4($16)
403634:    04 00 02 10
403638:    30 00 00 00      sb $20,0($3)
40363c:    00 00 14 03
internals.c:348
403640:    06 00 00 00      bne $23,$0,403670 <flushbuf+0x708>
403644:    0a 00 00 17
internals.c:352
403648:    28 00 00 00      lw $2,64($16)
40364c:    40 00 02 10
internals.c:356
403650:    28 00 00 00      lw $3,16($16)
403654:    10 00 03 10
internals.c:352
403658:    42 00 00 00      addu $2,$19,$2
40365c:    00 02 02 13
403660:    34 00 00 00      sw $2,64($16)
403664:    40 00 02 10
internals.c:356
403668:    34 00 00 00      sw $3,8($16)
40366c:    08 00 03 10
internals.c:359
403670:    28 00 00 00      lw $2,76($16)
403674:    4c 00 02 10
403678:    4f 00 00 00      andi $2,$2,1536
40367c:    00 06 02 02
403680:    05 00 00 00      beq $2,$0,403698 <flushbuf+0x730>
403684:    04 00 00 02
internals.c:360
403688:    28 00 00 00      lw $2,12($16)
40368c:    0c 00 02 10
403690:    34 00 00 00      sw $2,4($16)
403694:    04 00 02 10
internals.c:361
403698:    28 00 00 00      lw $31,64($29)
40369c:    40 00 1f 1d
4036a0:    28 00 00 00      lw $23,60($29)
4036a4:    3c 00 17 1d
4036a8:    28 00 00 00      lw $22,56($29)
4036ac:    38 00 16 1d
4036b0:    28 00 00 00      lw $21,52($29)
4036b4:    34 00 15 1d
4036b8:    28 00 00 00      lw $20,48($29)
4036bc:    30 00 14 1d
4036c0:    28 00 00 00      lw $19,44($29)
4036c4:    2c 00 13 1d
4036c8:    28 00 00 00      lw $18,40($29)
4036cc:    28 00 12 1d
4036d0:    28 00 00 00      lw $17,36($29)
4036d4:    24 00 11 1d
4036d8:    28 00 00 00      lw $16,32($29)
4036dc:    20 00 10 1d
4036e0:    43 00 00 00      addiu $29,$29,72
4036e4:    48 00 1d 1d
4036e8:    03 00 00 00      jr $31
4036ec:    00 00 00 1f

004036f0 <fillbuf>:
fillbuf():
internals.c:368
4036f0:    43 00 00 00      addiu $29,$29,-64
4036f4:    c0 ff 1d 1d

```



```

4036f8:      34 00 00 00      sw $16,32($29)
4036fc:      20 00 10 1d
403700:      42 00 00 00      addu $16,$0,$4
403704:      00 10 04 00
403708:      34 00 00 00      sw $31,60($29)
40370c:      3c 00 1f 1d
403710:      34 00 00 00      sw $22,56($29)
403714:      38 00 16 1d
403718:      34 00 00 00      sw $21,52($29)
40371c:      34 00 15 1d
403720:      34 00 00 00      sw $20,48($29)
403724:      30 00 14 1d
403728:      34 00 00 00      sw $19,44($29)
40372c:      2c 00 13 1d
403730:      34 00 00 00      sw $18,40($29)
403734:      28 00 12 1d
403738:      34 00 00 00      sw $17,36($29)
40373c:      24 00 11 1d
internals.c:376
403740:      28 00 00 00      lw $2,32($16)
403744:      20 00 02 10
internals.c:370
403748:      42 00 00 00      addu $21,$0,$0
40374c:      00 15 00 00
internals.c:372
403750:      42 00 00 00      addu $20,$0,$0
403754:      00 14 00 00
internals.c:376
403758:      06 00 00 00      bne $2,$0,403780 <fillbuf+0x90>
40375c:      08 00 00 02
internals.c:379
403760:      28 00 00 00      lw $2,76($16)
403764:      4c 00 02 10
403768:      51 00 00 00      ori $2,$2,512
40376c:      00 02 02 02
403770:      34 00 00 00      sw $2,76($16)
403774:      4c 00 02 10
internals.c:380
403778:      01 00 00 00      j 403aa8 <fillbuf+0x3b8>
40377c:      aa 0e 10 00
internals.c:383
403780:      28 00 00 00      lw $5,16($16)
403784:      10 00 05 10
403788:      06 00 00 00      bne $5,$0,4037a8 <fillbuf+0xb8>
40378c:      06 00 00 05
internals.c:386
403790:      43 00 00 00      addiu $18,$29,16
403794:      10 00 12 1d
internals.c:387
403798:      43 00 00 00      addiu $17,$0,1
40379c:      01 00 11 00
internals.c:388
4037a0:      01 00 00 00      j 4037b8 <fillbuf+0xc8>
4037a4:      ee 0d 10 00
internals.c:392
4037a8:      42 00 00 00      addu $18,$0,$5
4037ac:      00 12 05 00
internals.c:393
4037b0:      28 00 00 00      lw $17,20($16)
4037b4:      14 00 11 10
internals.c:402
4037b8:      42 00 00 00      addu $4,$0,$16
4037bc:      00 04 10 00

```

```
internals.c:397
 4037c0: 28 00 00 00      lw $2,76($16)
 4037c4: 4c 00 02 10
internals.c:401
 4037c8: 28 00 00 00      lw $22,-32592($28)
 4037cc: b0 80 16 1c
internals.c:397
 4037d0: 43 00 00 00      addiu $3,$0,-513
 4037d4: ff fd 03 00
 4037d8: 4e 00 00 00      and $2,$2,$3
 4037dc: 00 02 03 02
 4037e0: 34 00 00 00      sw $2,76($16)
 4037e4: 4c 00 02 10
internals.c:402
 4037e8: 02 00 00 00      jal 402c48 <__stdio_check_offset>
 4037ec: 12 0b 10 00
 4037f0: 06 00 00 00      bne $2,$0,403958 <fillbuf+0x268>
 4037f4: 58 00 00 02
 4037f8: 28 00 00 00      lw $3,64($16)
 4037fc: 40 00 03 10
 403800: 28 00 00 00      lw $2,60($16)
 403804: 3c 00 02 10
 403808: 05 00 00 00      beq $3,$2,403958 <fillbuf+0x268>
 40380c: 52 00 02 03
internals.c:405
 403810: 28 00 00 00      lw $2,20($16)
 403814: 14 00 02 10
 403818: 05 00 00 00      beq $2,$0,403850 <fillbuf+0x160>
 40381c: 0c 00 00 02
internals.c:407
 403820: 49 00 00 00      divu $0,$3,$2
 403824: 00 00 02 03
 403828: 06 00 00 00      bne $2,$0,403838 <fillbuf+0x148>
 40382c: 02 00 00 02
 403830: a1 00 00 00      break
 403834: 07 00 00 00
 403838: 4a 00 00 00      mfhi $21
 40383c: 00 15 00 00
internals.c:408
 403840: 45 00 00 00      subu $2,$3,$21
 403844: 00 02 15 03
 403848: 34 00 00 00      sw $2,64($16)
 40384c: 40 00 02 10
internals.c:410
 403850: 28 00 00 00      lw $19,-32592($28)
 403854: b0 80 13 1c
 403858: 42 00 00 00      addu $4,$0,$16
 40385c: 00 04 10 00
 403860: 02 00 00 00      jal 402c48 <__stdio_check_offset>
 403864: 12 0b 10 00
 403868: 43 00 00 00      addiu $3,$0,-1
 40386c: ff ff 03 00
 403870: 06 00 00 00      bne $2,$3,4038a0 <fillbuf+0x1b0>
 403874: 0a 00 03 02
 403878: 28 00 00 00      lw $3,-32592($28)
 40387c: b0 80 03 1c
 403880: 43 00 00 00      addiu $2,$0,29
 403884: 1d 00 02 00
 403888: 06 00 00 00      bne $3,$2,403940 <fillbuf+0x250>
 40388c: 2c 00 02 03
 403890: 34 00 00 00      sw $19,-32592($28)
 403894: b0 80 13 1c
 403898: 01 00 00 00      j 403958 <fillbuf+0x268>
```

```
40389c: 56 0e 10 00
4038a0: 28 00 00 00      lw $3,64($16)
4038a4: 40 00 03 10
4038a8: 28 00 00 00      lw $2,60($16)
4038ac: 3c 00 02 10
4038b0: 05 00 00 00      beq $3,$2,403958 <fillbuf+0x268>
4038b4: 28 00 02 03
4038b8: 28 00 00 00      lw $2,40($16)
4038bc: 28 00 02 10
4038c0: 06 00 00 00      bne $2,$0,4038e8 <fillbuf+0x1f8>
4038c4: 08 00 00 02
4038c8: 28 00 00 00      lw $2,76($16)
4038cc: 4c 00 02 10
4038d0: 43 00 00 00      addiu $3,$0,29
4038d4: 1d 00 03 00
4038d8: 34 00 00 00      sw $3,-32592($28)
4038dc: b0 80 03 1c
4038e0: 01 00 00 00      j 403948 <fillbuf+0x258>
4038e4: 52 0e 10 00
4038e8: 28 00 00 00      lw $4,24($16)
4038ec: 18 00 04 10
4038f0: 28 00 00 00      lw $2,40($16)
4038f4: 28 00 02 10
4038f8: 43 00 00 00      addiu $5,$29,24
4038fc: 18 00 05 1d
403900: 42 00 00 00      addu $6,$0,$0
403904: 00 06 00 00
403908: 34 00 00 00      sw $3,24($29)
40390c: 18 00 03 1d
403910: 04 00 00 00      jalr $31,$2
403914: 00 1f 00 02
403918: 09 00 00 00      bltz $2,403940 <fillbuf+0x250>
40391c: 08 00 00 02
403920: 28 00 00 00      lw $2,24($29)
403924: 18 00 02 1d
403928: 28 00 00 00      lw $3,64($16)
40392c: 40 00 03 10
403930: 34 00 00 00      sw $2,60($16)
403934: 3c 00 02 10
403938: 05 00 00 00      beq $2,$3,403958 <fillbuf+0x268>
40393c: 06 00 03 02
403940: 28 00 00 00      lw $2,76($16)
403944: 4c 00 02 10
403948: 51 00 00 00      ori $2,$2,1024
40394c: 00 04 02 02
403950: 34 00 00 00      sw $2,76($16)
403954: 4c 00 02 10
internals.c:415
403958: 28 00 00 00      lw $2,76($16)
40395c: 4c 00 02 10
internals.c:412
403960: 34 00 00 00      sw $22,-32592($28)
403964: b0 80 16 1c
internals.c:415
403968: 4f 00 00 00      andi $2,$2,1536
40396c: 00 06 02 02
403970: 06 00 00 00      bne $2,$0,403a50 <fillbuf+0x360>
403974: 36 00 00 02
403978: 5d 00 00 00      sltu $2,$21,$20
40397c: 00 02 14 15
403980: 06 00 00 00      bne $2,$0,403a50 <fillbuf+0x360>
403984: 32 00 00 02
internals.c:418
```

```

./objdump.txt          Sun Sep 24 11:10:19 2017          140
403988:      28 00 00 00      lw $4,24($16)
40398c:      18 00 04 10
403990:      28 00 00 00      lw $2,32($16)
403994:      20 00 02 10
403998:      42 00 00 00      addu $5,$0,$18
40399c:      00 05 12 00
4039a0:      42 00 00 00      addu $6,$0,$17
4039a4:      00 06 11 00
4039a8:      04 00 00 00      jalr $31,$2
4039ac:      00 1f 00 02
4039b0:      42 00 00 00      addu $3,$0,$2
4039b4:      00 03 02 00
internals.c:419
4039b8:      06 00 00 00      bne $3,$0,4039e0 <fillbuf+0x2f0>
4039bc:      08 00 00 03
internals.c:420
4039c0:      28 00 00 00      lw $2,76($16)
4039c4:      4c 00 02 10
4039c8:      51 00 00 00      ori $2,$2,512
4039cc:      00 02 02 02
4039d0:      34 00 00 00      sw $2,76($16)
4039d4:      4c 00 02 10
4039d8:      01 00 00 00      j 403a38 <fillbuf+0x348>
4039dc:      8e 0e 10 00
internals.c:421
4039e0:      0a 00 00 00      bgez $3,403a08 <fillbuf+0x318>
4039e4:      08 00 00 03
internals.c:422
4039e8:      28 00 00 00      lw $2,76($16)
4039ec:      4c 00 02 10
4039f0:      51 00 00 00      ori $2,$2,1024
4039f4:      00 04 02 02
4039f8:      34 00 00 00      sw $2,76($16)
4039fc:      4c 00 02 10
403a00:      01 00 00 00      j 403a38 <fillbuf+0x348>
403a04:      8e 0e 10 00
internals.c:425
403a08:      42 00 00 00      addu $18,$18,$3
403a0c:      00 12 03 12
internals.c:429
403a10:      28 00 00 00      lw $2,60($16)
403a14:      3c 00 02 10
internals.c:426
403a18:      42 00 00 00      addu $20,$20,$3
403a1c:      00 14 03 14
internals.c:427
403a20:      45 00 00 00      subu $17,$17,$3
403a24:      00 11 03 11
internals.c:429
403a28:      42 00 00 00      addu $2,$3,$2
403a2c:      00 02 02 03
403a30:      34 00 00 00      sw $2,60($16)
403a34:      3c 00 02 10
internals.c:431
403a38:      28 00 00 00      lw $2,76($16)
403a3c:      4c 00 02 10
403a40:      4f 00 00 00      andi $2,$2,1536
403a44:      00 06 02 02
403a48:      05 00 00 00      beq $2,$0,403978 <fillbuf+0x288>
403a4c:      ca ff 00 02
internals.c:433
403a50:      28 00 00 00      lw $2,16($16)
403a54:      10 00 02 10

```

```

./objdump.txt          Sun Sep 24 11:10:19 2017          141
 403a58:      06 00 00 00      bne $2,$0,403a98 <fillbuf+0x3a8>
 403a5c:      0e 00 00 02
internals.c:436
 403a60:      28 00 00 00      lw $2,76($16)
 403a64:      4c 00 02 10
 403a68:      43 00 00 00      addiu $3,$0,-1
 403a6c:      ff ff 03 00
 403a70:      4f 00 00 00      andi $2,$2,1536
 403a74:      00 06 02 02
 403a78:      06 00 00 00      bne $2,$0,403a88 <fillbuf+0x398>
 403a7c:      02 00 00 02
 403a80:      22 00 00 00      lbu $3,16($29)
 403a84:      10 00 03 1d
 403a88:      42 00 00 00      addu $2,$0,$3
 403a8c:      00 02 03 00
 403a90:      01 00 00 00      j 403b30 <fillbuf+0x440>
 403a94:      cc 0e 10 00
internals.c:440
 403a98:      42 00 00 00      addu $2,$21,$2
 403a9c:      00 02 02 15
 403aa0:      34 00 00 00      sw $2,4($16)
 403aa4:      04 00 02 10
internals.c:444
 403aa8:      28 00 00 00      lw $2,76($16)
 403aac:      4c 00 02 10
 403ab0:      4f 00 00 00      andi $2,$2,1536
 403ab4:      00 06 02 02
 403ab8:      06 00 00 00      bne $2,$0,403b10 <fillbuf+0x420>
 403abc:      14 00 00 02
internals.c:453
 403ac0:      28 00 00 00      lw $2,16($16)
 403ac4:      10 00 02 10
internals.c:456
 403ac8:      28 00 00 00      lw $3,16($16)
 403acc:      10 00 03 10
internals.c:459
 403ad0:      28 00 00 00      lw $4,4($16)
 403ad4:      04 00 04 10
internals.c:453
 403ad8:      42 00 00 00      addu $2,$20,$2
 403adc:      00 02 02 14
 403ae0:      34 00 00 00      sw $2,8($16)
 403ae4:      08 00 02 10
internals.c:459
 403ae8:      43 00 00 00      addiu $2,$4,1
 403aec:      01 00 02 04
internals.c:456
 403af0:      34 00 00 00      sw $3,12($16)
 403af4:      0c 00 03 10
internals.c:459
 403af8:      34 00 00 00      sw $2,4($16)
 403afc:      04 00 02 10
 403b00:      22 00 00 00      lbu $2,0($4)
 403b04:      00 00 02 04
 403b08:      01 00 00 00      j 403b30 <fillbuf+0x440>
 403b0c:      cc 0e 10 00
internals.c:448
 403b10:      28 00 00 00      lw $3,16($16)
 403b14:      10 00 03 10
internals.c:449
 403b18:      43 00 00 00      addiu $2,$0,-1
 403b1c:      ff ff 02 00
internals.c:448

```

```

403b20:      34 00 00 00      sw $3,8($16)
403b24:      08 00 03 10
403b28:      34 00 00 00      sw $3,12($16)
403b2c:      0c 00 03 10
internals.c:460
403b30:      28 00 00 00      lw $31,60($29)
403b34:      3c 00 1f 1d
403b38:      28 00 00 00      lw $22,56($29)
403b3c:      38 00 16 1d
403b40:      28 00 00 00      lw $21,52($29)
403b44:      34 00 15 1d
403b48:      28 00 00 00      lw $20,48($29)
403b4c:      30 00 14 1d
403b50:      28 00 00 00      lw $19,44($29)
403b54:      2c 00 13 1d
403b58:      28 00 00 00      lw $18,40($29)
403b5c:      28 00 12 1d
403b60:      28 00 00 00      lw $17,36($29)
403b64:      24 00 11 1d
403b68:      28 00 00 00      lw $16,32($29)
403b6c:      20 00 10 1d
403b70:      43 00 00 00      addiu $29,$29,64
403b74:      40 00 1d 1d
403b78:      03 00 00 00      jr $31
403b7c:      00 00 00 1f
00403b80 <__flshfp>:
__flshfp():
internals.c:486
403b80:      43 00 00 00      addiu $29,$29,-40
403b84:      d8 ff 1d 1d
403b88:      34 00 00 00      sw $16,16($29)
403b8c:      10 00 10 1d
403b90:      42 00 00 00      addu $16,$0,$4
403b94:      00 10 04 00
403b98:      34 00 00 00      sw $18,24($29)
403b9c:      18 00 12 1d
403ba0:      42 00 00 00      addu $18,$0,$5
403ba4:      00 12 05 00
internals.c:487
403ba8:      54 00 00 00      nor $2,$0,$18
403bac:      00 02 12 00
internals.c:486
403bb0:      34 00 00 00      sw $19,28($29)
403bb4:      1c 00 13 1d
internals.c:487
403bb8:      5e 00 00 00      sltiu $19,$2,1
403bbc:      01 00 13 02
internals.c:486
403bc0:      34 00 00 00      sw $31,32($29)
403bc4:      20 00 1f 1d
403bc8:      34 00 00 00      sw $17,20($29)
403bcc:      14 00 11 1d
internals.c:489
403bd0:      05 00 00 00      beq $16,$0,403c40 <__flshfp+0xc0>
403bd4:      1a 00 00 10
403bd8:      28 00 00 00      lw $3,0($16)
403bdc:      00 00 03 10
403be0:      a2 00 00 00      lui $2,65261
403be4:      ed fe 02 00
403be8:      51 00 00 00      ori $2,$2,47806
403bec:      be ba 02 02
403bf0:      06 00 00 00      bne $3,$2,403c08 <__flshfp+0x88>

```

```

403bf4:      04 00 02 03
403bf8:      28 00 00 00      lw $2,4($16)
403bfc:      04 00 02 10
403c00:      28 00 00 00      lw $16,0($2)
403c04:      00 00 10 02
403c08:      28 00 00 00      lw $3,0($16)
403c0c:      00 00 03 10
403c10:      a2 00 00 00      lui $2,65242
403c14:      da fe 02 00
403c18:      51 00 00 00      ori $2,$2,48875
403c1c:      eb be 02 02
403c20:      06 00 00 00      bne $3,$2,403c40 <__flshfp+0xc0>
403c24:      06 00 02 03
403c28:      28 00 00 00      lw $2,28($16)
403c2c:      1c 00 02 10
403c30:      4f 00 00 00      andi $2,$2,2
403c34:      02 00 02 02
403c38:      06 00 00 00      bne $2,$0,403c60 <__flshfp+0xe0>
403c3c:      08 00 00 02
internals.c:491
403c40:      43 00 00 00      addiu $2,$0,22
403c44:      16 00 02 00
403c48:      34 00 00 00      sw $2,-32592($28)
403c4c:      b0 80 02 1c
internals.c:492
403c50:      43 00 00 00      addiu $2,$0,-1
403c54:      ff ff 02 00
403c58:      01 00 00 00      j 404080 <__flshfp+0x500>
403c5c:      20 10 10 00
internals.c:495
403c60:      28 00 00 00      lw $3,76($16)
403c64:      4c 00 03 10
403c68:      4f 00 00 00      andi $2,$3,1024
403c6c:      00 04 02 03
403c70:      06 00 00 00      bne $2,$0,403c50 <__flshfp+0xd0>
403c74:      f6 ff 00 02
internals.c:498
403c78:      4f 00 00 00      andi $2,$3,256
403c7c:      00 01 02 03
403c80:      05 00 00 00      beq $2,$0,403cb8 <__flshfp+0x138>
403c84:      0c 00 00 02
internals.c:501
403c88:      28 00 00 00      lw $2,72($16)
403c8c:      48 00 02 10
internals.c:502
403c90:      28 00 00 00      lw $3,76($16)
403c94:      4c 00 03 10
internals.c:501
403c98:      34 00 00 00      sw $2,4($16)
403c9c:      04 00 02 10
internals.c:502
403ca0:      43 00 00 00      addiu $2,$0,-257
403ca4:      ff fe 02 00
403ca8:      4e 00 00 00      and $3,$3,$2
403cac:      00 03 02 03
403cb0:      34 00 00 00      sw $3,76($16)
403cb4:      4c 00 03 10
internals.c:506
403cb8:      28 00 00 00      lw $2,76($16)
403cbc:      4c 00 02 10
403cc0:      4f 00 00 00      andi $2,$2,16384
403cc4:      00 40 02 02
403cc8:      06 00 00 00      bne $2,$0,403d80 <__flshfp+0x200>

```

403ccc:	2c 00 00 02	
403cd0:	28 00 00 00	lw \$2,-32656(\$28)
403cd4:	70 80 02 1c	
403cd8:	a2 00 00 00	lui \$3,4096
403cdc:	00 10 03 00	
403ce0:	28 00 00 00	lw \$3,852(\$3)
403ce4:	54 03 03 03	
403ce8:	34 00 00 00	sw \$2,52(\$16)
403cec:	34 00 02 10	
403cf0:	34 00 00 00	sw \$3,56(\$16)
403cf4:	38 00 03 10	
403cf8:	a2 00 00 00	lui \$5,4096
403cfc:	00 10 05 00	
403d00:	43 00 00 00	addiu \$5,\$5,0
403d04:	00 00 05 05	
403d08:	28 00 00 00	lw \$2,0(\$5)
403d0c:	00 00 02 05	
403d10:	28 00 00 00	lw \$3,4(\$5)
403d14:	04 00 03 05	
403d18:	28 00 00 00	lw \$4,8(\$5)
403d1c:	08 00 04 05	
403d20:	34 00 00 00	sw \$2,32(\$16)
403d24:	20 00 02 10	
403d28:	34 00 00 00	sw \$3,36(\$16)
403d2c:	24 00 03 10	
403d30:	34 00 00 00	sw \$4,40(\$16)
403d34:	28 00 04 10	
403d38:	28 00 00 00	lw \$2,12(\$5)
403d3c:	0c 00 02 05	
403d40:	28 00 00 00	lw \$3,16(\$5)
403d44:	10 00 03 05	
403d48:	34 00 00 00	sw \$2,44(\$16)
403d4c:	2c 00 02 10	
403d50:	34 00 00 00	sw \$3,48(\$16)
403d54:	30 00 03 10	
403d58:	42 00 00 00	addu \$4,\$0,\$16
403d5c:	00 04 10 00	
403d60:	02 00 00 00	jal 4055e0 <__stdio_init_stream>
403d64:	78 15 10 00	
403d68:	28 00 00 00	lw \$2,76(\$16)
403d6c:	4c 00 02 10	
403d70:	51 00 00 00	ori \$2,\$2,16384
403d74:	00 40 02 02	
403d78:	34 00 00 00	sw \$2,76(\$16)
403d7c:	4c 00 02 10	
403d80:	28 00 00 00	lw \$2,16(\$16)
403d84:	10 00 02 10	
403d88:	06 00 00 00	bne \$2,\$0,403e68 <__flshfp+0x2e8>
403d8c:	36 00 00 02	
403d90:	28 00 00 00	lw \$2,76(\$16)
403d94:	4c 00 02 10	
403d98:	4f 00 00 00	andi \$2,\$2,2048
403d9c:	00 08 02 02	
403da0:	06 00 00 00	bne \$2,\$0,403e68 <__flshfp+0x2e8>
403da4:	30 00 00 02	
403da8:	28 00 00 00	lw \$2,20(\$16)
403dac:	14 00 02 10	
403db0:	06 00 00 00	bne \$2,\$0,403dc8 <__flshfp+0x248>
403db4:	04 00 00 02	
403db8:	43 00 00 00	addiu \$2,\$0,1024
403dbc:	00 04 02 00	
403dc0:	34 00 00 00	sw \$2,20(\$16)
403dc4:	14 00 02 10	


```
403dc8: 28 00 00 00      lw $4,20($16)
403dcc: 14 00 04 10
403dd0: 28 00 00 00      lw $17,-32592($28)
403dd4: b0 80 11 1c
403dd8: 5e 00 00 00      sltiu $2,$4,128
403ddc: 80 00 02 04
403de0: 06 00 00 00      bne $2,$0,403e30 <__flshfp+0x2b0>
403de4: 12 00 00 02
403de8: 02 00 00 00      jal 400ff8 <malloc>
403dec: fe 03 10 00
403df0: 34 00 00 00      sw $2,16($16)
403df4: 10 00 02 10
403df8: 06 00 00 00      bne $2,$0,403e30 <__flshfp+0x2b0>
403dfc: 0c 00 00 02
403e00: 28 00 00 00      lw $2,20($16)
403e04: 14 00 02 10
403e08: 57 00 00 00      srl $2,$2,0x1
403e0c: 01 02 02 00
403e10: 42 00 00 00      addu $4,$0,$2
403e14: 00 04 02 00
403e18: 5e 00 00 00      sltiu $2,$4,128
403e1c: 80 00 02 04
403e20: 34 00 00 00      sw $4,20($16)
403e24: 14 00 04 10
403e28: 05 00 00 00      beq $2,$0,403de8 <__flshfp+0x268>
403e2c: ee ff 00 02
403e30: 28 00 00 00      lw $2,16($16)
403e34: 10 00 02 10
403e38: 34 00 00 00      sw $17,-32592($28)
403e3c: b0 80 11 1c
403e40: 06 00 00 00      bne $2,$0,403e68 <__flshfp+0x2e8>
403e44: 08 00 00 02
403e48: 28 00 00 00      lw $2,76($16)
403e4c: 4c 00 02 10
403e50: 34 00 00 00      sw $0,20($16)
403e54: 14 00 00 10
403e58: 51 00 00 00      ori $2,$2,2048
403e5c: 00 08 02 02
403e60: 34 00 00 00      sw $2,76($16)
403e64: 4c 00 02 10
403e68: 28 00 00 00      lw $2,4($16)
403e6c: 04 00 02 10
403e70: 06 00 00 00      bne $2,$0,403ea0 <__flshfp+0x320>
403e74: 0a 00 00 02
403e78: 28 00 00 00      lw $2,16($16)
403e7c: 10 00 02 10
403e80: 28 00 00 00      lw $3,16($16)
403e84: 10 00 03 10
403e88: 34 00 00 00      sw $2,4($16)
403e8c: 04 00 02 10
403e90: 34 00 00 00      sw $3,8($16)
403e94: 08 00 03 10
403e98: 34 00 00 00      sw $3,12($16)
403e9c: 0c 00 03 10
internals.c:509
403ea0: 28 00 00 00      lw $2,56($16)
403ea4: 38 00 02 10
403ea8: 06 00 00 00      bne $2,$0,403ed8 <__flshfp+0x358>
403eac: 0a 00 00 02
internals.c:513
403eb0: 28 00 00 00      lw $3,76($16)
403eb4: 4c 00 03 10
internals.c:514
```

```

403eb8:      43 00 00 00      addiu $2,$0,-1
403ebc:      ff ff 02 00
internals.c:513
403ec0:      51 00 00 00      ori $3,$3,1024
403ec4:      00 04 03 03
403ec8:      34 00 00 00      sw $3,76($16)
403ecc:      4c 00 03 10
internals.c:514
403ed0:      01 00 00 00      j 404080 <__flshfp+0x500>
403ed4:      20 10 10 00
internals.c:517
403ed8:      06 00 00 00      bne $19,$0,403fa0 <__flshfp+0x420>
403edc:      30 00 00 13
403ee0:      28 00 00 00      lw $2,76($16)
403ee4:      4c 00 02 10
403ee8:      28 00 00 00      lw $4,4($16)
403eec:      04 00 04 10
403ef0:      4f 00 00 00      andi $2,$2,8192
403ef4:      00 20 02 02
403ef8:      05 00 00 00      beq $2,$0,403f30 <__flshfp+0x3b0>
403efc:      0c 00 00 02
403f00:      28 00 00 00      lw $2,16($16)
403f04:      10 00 02 10
403f08:      28 00 00 00      lw $3,20($16)
403f0c:      14 00 03 10
403f10:      42 00 00 00      addu $2,$2,$3
403f14:      00 02 03 02
403f18:      5d 00 00 00      sltu $2,$4,$2
403f1c:      00 02 02 04
403f20:      06 00 00 00      bne $2,$0,403f48 <__flshfp+0x3c8>
403f24:      08 00 00 02
403f28:      01 00 00 00      j 403fa0 <__flshfp+0x420>
403f2c:      e8 0f 10 00
403f30:      28 00 00 00      lw $2,12($16)
403f34:      0c 00 02 10
403f38:      5d 00 00 00      sltu $2,$4,$2
403f3c:      00 02 02 04
403f40:      05 00 00 00      beq $2,$0,403fa0 <__flshfp+0x420>
403f44:      16 00 00 02
internals.c:524
403f48:      28 00 00 00      lw $3,4($16)
403f4c:      04 00 03 10
403f50:      43 00 00 00      addiu $2,$3,1
403f54:      01 00 02 03
403f58:      34 00 00 00      sw $2,4($16)
403f5c:      04 00 02 10
403f60:      30 00 00 00      sb $18,0($3)
403f64:      00 00 12 03
internals.c:525
403f68:      28 00 00 00      lw $2,76($16)
403f6c:      4c 00 02 10
403f70:      4f 00 00 00      andi $2,$2,4096
403f74:      00 10 02 02
403f78:      05 00 00 00      beq $2,$0,404068 <__flshfp+0x4e8>
403f7c:      3a 00 00 02
403f80:      4f 00 00 00      andi $3,$18,255
403f84:      ff 00 03 12
403f88:      43 00 00 00      addiu $2,$0,10
403f8c:      0a 00 02 00
403f90:      06 00 00 00      bne $3,$2,404068 <__flshfp+0x4e8>
403f94:      34 00 02 03
internals.c:526
403f98:      43 00 00 00      addiu $19,$0,1

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```

403f9c: 01 00 13 00
internals.c:531
403fa0: 28 00 00 00      lw $2,76($16)
403fa4: 4c 00 02 10
403fa8: 4f 00 00 00      andi $2,$2,8192
403fac: 00 20 02 02
403fb0: 05 00 00 00      beq $2,$0,403fd8 <__flshfp+0x458>
403fb4: 08 00 00 02
internals.c:537
403fb8: 28 00 00 00      lw $2,16($16)
403fbc: 10 00 02 10
403fc0: 28 00 00 00      lw $3,20($16)
403fc4: 14 00 03 10
403fc8: 42 00 00 00      addu $2,$2,$3
403fcc: 00 02 03 02
403fd0: 34 00 00 00      sw $2,12($16)
403fd4: 0c 00 02 10
internals.c:540
403fd8: 43 00 00 00      addiu $5,$0,-1
403fdc: ff ff 05 00
403fe0: 06 00 00 00      bne $19,$0,403ff0 <__flshfp+0x470>
403fe4: 02 00 00 13
403fe8: 4f 00 00 00      andi $5,$18,255
403fec: ff 00 05 12
403ff0: 28 00 00 00      lw $2,56($16)
403ff4: 38 00 02 10
403ff8: 42 00 00 00      addu $4,$0,$16
403ffc: 00 04 10 00
404000: 04 00 00 00      jalr $31,$2
404004: 00 1f 00 02
internals.c:542
404008: 28 00 00 00      lw $2,76($16)
40400c: 4c 00 02 10
404010: 4f 00 00 00      andi $2,$2,4096
404014: 00 10 02 02
404018: 05 00 00 00      beq $2,$0,404048 <__flshfp+0x4c8>
40401c: 0a 00 00 02
internals.c:551
404020: 28 00 00 00      lw $2,76($16)
404024: 4c 00 02 10
internals.c:550
404028: 28 00 00 00      lw $3,16($16)
40402c: 10 00 03 10
internals.c:551
404030: 51 00 00 00      ori $2,$2,8192
404034: 00 20 02 02
internals.c:550
404038: 34 00 00 00      sw $3,12($16)
40403c: 0c 00 03 10
internals.c:551
404040: 34 00 00 00      sw $2,76($16)
404044: 4c 00 02 10
internals.c:554
404048: 28 00 00 00      lw $2,76($16)
40404c: 4c 00 02 10
404050: 4f 00 00 00      andi $2,$2,1024
404054: 00 04 02 02
404058: 06 00 00 00      bne $2,$0,403c50 <__flshfp+0xd0>
40405c: fc fe 00 02
internals.c:556
404060: 06 00 00 00      bne $19,$0,404078 <__flshfp+0x4f8>
404064: 04 00 00 13
internals.c:558

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```
404068: 4f 00 00 00    andi $2,$18,255
40406c: ff 00 02 12
404070: 01 00 00 00    j 404080 <__flshfp+0x500>
404074: 20 10 10 00
internals.c:557
404078: 42 00 00 00    addu $2,$0,$0
40407c: 00 02 00 00
internals.c:559
404080: 28 00 00 00    lw $31,32($29)
404084: 20 00 1f 1d
404088: 28 00 00 00    lw $19,28($29)
40408c: 1c 00 13 1d
404090: 28 00 00 00    lw $18,24($29)
404094: 18 00 12 1d
404098: 28 00 00 00    lw $17,20($29)
40409c: 14 00 11 1d
4040a0: 28 00 00 00    lw $16,16($29)
4040a4: 10 00 10 1d
4040a8: 43 00 00 00    addiu $29,$29,40
4040ac: 28 00 1d 1d
4040b0: 03 00 00 00    jr $31
4040b4: 00 00 00 1f

004040b8 <__fillbf>:
__fillbf():
internals.c:566
4040b8: 43 00 00 00    addiu $29,$29,-40
4040bc: d8 ff 1d 1d
4040c0: 34 00 00 00    sw $17,20($29)
4040c4: 14 00 11 1d
4040c8: 42 00 00 00    addu $17,$0,$4
4040cc: 00 11 04 00
4040d0: 34 00 00 00    sw $31,32($29)
4040d4: 20 00 1f 1d
4040d8: 34 00 00 00    sw $19,28($29)
4040dc: 1c 00 13 1d
4040e0: 34 00 00 00    sw $18,24($29)
4040e4: 18 00 12 1d
4040e8: 34 00 00 00    sw $16,16($29)
4040ec: 10 00 10 1d
internals.c:570
4040f0: 05 00 00 00    beq $17,$0,404160 <__fillbf+0xa8>
4040f4: 1a 00 00 11
4040f8: 28 00 00 00    lw $3,0($17)
4040fc: 00 00 03 11
404100: a2 00 00 00    lui $2,65261
404104: ed fe 02 00
404108: 51 00 00 00    ori $2,$2,47806
40410c: be ba 02 02
404110: 06 00 00 00    bne $3,$2,404128 <__fillbf+0x70>
404114: 04 00 02 03
404118: 28 00 00 00    lw $2,4($17)
40411c: 04 00 02 11
404120: 28 00 00 00    lw $17,0($2)
404124: 00 00 11 02
404128: 28 00 00 00    lw $3,0($17)
40412c: 00 00 03 11
404130: a2 00 00 00    lui $2,65242
404134: da fe 02 00
404138: 51 00 00 00    ori $2,$2,48875
40413c: eb be 02 02
404140: 06 00 00 00    bne $3,$2,404160 <__fillbf+0xa8>
404144: 06 00 02 03
```

```
404148:      28 00 00 00      lw $2,28($17)
40414c:      1c 00 02 11
404150:      4f 00 00 00      andi $2,$2,1
404154:      01 00 02 02
404158:      06 00 00 00      bne $2,$0,404180 <__fillbf+0xc8>
40415c:      08 00 00 02
internals.c:572
404160:      43 00 00 00      addiu $2,$0,22
404164:      16 00 02 00
404168:      34 00 00 00      sw $2,-32592($28)
40416c:      b0 80 02 1c
internals.c:573
404170:      43 00 00 00      addiu $2,$0,-1
404174:      ff ff 02 00
404178:      01 00 00 00      j 404610 <__fillbf+0x558>
40417c:      84 11 10 00
internals.c:576
404180:      28 00 00 00      lw $3,76($17)
404184:      4c 00 03 11
404188:      4f 00 00 00      andi $2,$3,256
40418c:      00 01 02 03
404190:      05 00 00 00      beq $2,$0,4041d8 <__fillbf+0x120>
404194:      10 00 00 02
internals.c:580
404198:      28 00 00 00      lw $2,76($17)
40419c:      4c 00 02 11
4041a0:      43 00 00 00      addiu $3,$0,-257
4041a4:      ff fe 03 00
4041a8:      4e 00 00 00      and $2,$2,$3
4041ac:      00 02 03 02
internals.c:579
4041b0:      28 00 00 00      lw $3,72($17)
4041b4:      48 00 03 11
internals.c:580
4041b8:      34 00 00 00      sw $2,76($17)
4041bc:      4c 00 02 11
internals.c:581
4041c0:      22 00 00 00      lbu $2,76($17)
4041c4:      4c 00 02 11
internals.c:579
4041c8:      34 00 00 00      sw $3,4($17)
4041cc:      04 00 03 11
internals.c:581
4041d0:      01 00 00 00      j 404610 <__fillbf+0x558>
4041d4:      84 11 10 00
internals.c:585
4041d8:      4f 00 00 00      andi $2,$3,16384
4041dc:      00 40 02 03
4041e0:      06 00 00 00      bne $2,$0,404298 <__fillbf+0x1e0>
4041e4:      2c 00 00 02
4041e8:      28 00 00 00      lw $2,-32656($28)
4041ec:      70 80 02 1c
4041f0:      a2 00 00 00      lui $3,4096
4041f4:      00 10 03 00
4041f8:      28 00 00 00      lw $3,852($3)
4041fc:      54 03 03 03
404200:      34 00 00 00      sw $2,52($17)
404204:      34 00 02 11
404208:      34 00 00 00      sw $3,56($17)
40420c:      38 00 03 11
404210:      a2 00 00 00      lui $5,4096
404214:      00 10 05 00
404218:      43 00 00 00      addiu $5,$5,0
```

```
40421c: 00 00 05 05
404220: 28 00 00 00      lw $2,0($5)
404224: 00 00 02 05
404228: 28 00 00 00      lw $3,4($5)
40422c: 04 00 03 05
404230: 28 00 00 00      lw $4,8($5)
404234: 08 00 04 05
404238: 34 00 00 00      sw $2,32($17)
40423c: 20 00 02 11
404240: 34 00 00 00      sw $3,36($17)
404244: 24 00 03 11
404248: 34 00 00 00      sw $4,40($17)
40424c: 28 00 04 11
404250: 28 00 00 00      lw $2,12($5)
404254: 0c 00 02 05
404258: 28 00 00 00      lw $3,16($5)
40425c: 10 00 03 05
404260: 34 00 00 00      sw $2,44($17)
404264: 2c 00 02 11
404268: 34 00 00 00      sw $3,48($17)
40426c: 30 00 03 11
404270: 42 00 00 00      addu $4,$0,$17
404274: 00 04 11 00
404278: 02 00 00 00      jal 4055e0 <__stdio_init_stream>
40427c: 78 15 10 00
404280: 28 00 00 00      lw $2,76($17)
404284: 4c 00 02 11
404288: 51 00 00 00      ori $2,$2,16384
40428c: 00 40 02 02
404290: 34 00 00 00      sw $2,76($17)
404294: 4c 00 02 11
404298: 28 00 00 00      lw $2,16($17)
40429c: 10 00 02 11
4042a0: 06 00 00 00      bne $2,$0,404380 <__fillbf+0x2c8>
4042a4: 36 00 00 02
4042a8: 28 00 00 00      lw $2,76($17)
4042ac: 4c 00 02 11
4042b0: 4f 00 00 00      andi $2,$2,2048
4042b4: 00 08 02 02
4042b8: 06 00 00 00      bne $2,$0,404380 <__fillbf+0x2c8>
4042bc: 30 00 00 02
4042c0: 28 00 00 00      lw $2,20($17)
4042c4: 14 00 02 11
4042c8: 06 00 00 00      bne $2,$0,4042e0 <__fillbf+0x228>
4042cc: 04 00 00 02
4042d0: 43 00 00 00      addiu $2,$0,1024
4042d4: 00 04 02 00
4042d8: 34 00 00 00      sw $2,20($17)
4042dc: 14 00 02 11
4042e0: 28 00 00 00      lw $4,20($17)
4042e4: 14 00 04 11
4042e8: 28 00 00 00      lw $16,-32592($28)
4042ec: b0 80 10 1c
4042f0: 5e 00 00 00      sltiu $2,$4,128
4042f4: 80 00 02 04
4042f8: 06 00 00 00      bne $2,$0,404348 <__fillbf+0x290>
4042fc: 12 00 00 02
404300: 02 00 00 00      jal 400ff8 <malloc>
404304: fe 03 10 00
404308: 34 00 00 00      sw $2,16($17)
40430c: 10 00 02 11
404310: 06 00 00 00      bne $2,$0,404348 <__fillbf+0x290>
404314: 0c 00 00 02
```

```
404318: 28 00 00 00      lw $2,20($17)
40431c: 14 00 02 11
404320: 57 00 00 00      srl $2,$2,0x1
404324: 01 02 02 00
404328: 42 00 00 00      addu $4,$0,$2
40432c: 00 04 02 00
404330: 5e 00 00 00      sltiu $2,$4,128
404334: 80 00 02 04
404338: 34 00 00 00      sw $4,20($17)
40433c: 14 00 04 11
404340: 05 00 00 00      beq $2,$0,404300 <__fillbf+0x248>
404344: ee ff 00 02
404348: 28 00 00 00      lw $2,16($17)
40434c: 10 00 02 11
404350: 34 00 00 00      sw $16,-32592($28)
404354: b0 80 10 1c
404358: 06 00 00 00      bne $2,$0,404380 <__fillbf+0x2c8>
40435c: 08 00 00 02
404360: 28 00 00 00      lw $2,76($17)
404364: 4c 00 02 11
404368: 34 00 00 00      sw $0,20($17)
40436c: 14 00 00 11
404370: 51 00 00 00      ori $2,$2,2048
404374: 00 08 02 02
404378: 34 00 00 00      sw $2,76($17)
40437c: 4c 00 02 11
404380: 28 00 00 00      lw $2,4($17)
404384: 04 00 02 11
404388: 06 00 00 00      bne $2,$0,4043b8 <__fillbf+0x300>
40438c: 0a 00 00 02
404390: 28 00 00 00      lw $2,16($17)
404394: 10 00 02 11
404398: 28 00 00 00      lw $3,16($17)
40439c: 10 00 03 11
4043a0: 34 00 00 00      sw $2,4($17)
4043a4: 04 00 02 11
4043a8: 34 00 00 00      sw $3,8($17)
4043ac: 08 00 03 11
4043b0: 34 00 00 00      sw $3,12($17)
4043b4: 0c 00 03 11
internals.c:590
4043b8: 28 00 00 00      lw $2,16($17)
4043bc: 10 00 02 11
4043c0: 05 00 00 00      beq $2,$0,4043e0 <__fillbf+0x328>
4043c4: 06 00 00 02
4043c8: 28 00 00 00      lw $2,76($17)
4043cc: 4c 00 02 11
4043d0: 4f 00 00 00      andi $2,$2,4096
4043d4: 00 10 02 02
4043d8: 05 00 00 00      beq $2,$0,404498 <__fillbf+0x3e0>
4043dc: 2e 00 00 02
internals.c:593
4043e0: 28 00 00 00      lw $16,-32692($28)
4043e4: 4c 80 10 1c
4043e8: 05 00 00 00      beq $16,$0,404498 <__fillbf+0x3e0>
4043ec: 2a 00 00 10
4043f0: a2 00 00 00      lui $19,65261
4043f4: ed fe 13 00
4043f8: 51 00 00 00      ori $19,$19,47806
4043fc: be ba 13 13
404400: a2 00 00 00      lui $18,65242
404404: da fe 12 00
404408: 51 00 00 00      ori $18,$18,48875
```

```

40440c: eb be 12 12
internals.c:594
404410: 28 00 00 00      lw $2,0($16)
404414: 00 00 02 10
404418: 06 00 00 00      bne $2,$19,404430 <__fillbf+0x378>
40441c: 04 00 13 02
404420: 28 00 00 00      lw $2,4($16)
404424: 04 00 02 10
404428: 28 00 00 00      lw $16,0($2)
40442c: 00 00 10 02
404430: 28 00 00 00      lw $2,0($16)
404434: 00 00 02 10
404438: 06 00 00 00      bne $2,$18,404488 <__fillbf+0x3d0>
40443c: 12 00 12 02
404440: 28 00 00 00      lw $2,76($16)
404444: 4c 00 02 10
404448: 4f 00 00 00      andi $2,$2,4096
40444c: 00 10 02 02
404450: 05 00 00 00      beq $2,$0,404488 <__fillbf+0x3d0>
404454: 0c 00 00 02
404458: 28 00 00 00      lw $2,28($16)
40445c: 1c 00 02 10
404460: 4f 00 00 00      andi $2,$2,2
404464: 02 00 02 02
404468: 05 00 00 00      beq $2,$0,404488 <__fillbf+0x3d0>
40446c: 06 00 00 02
internals.c:595
404470: 42 00 00 00      addu $4,$0,$16
404474: 00 04 10 00
404478: 43 00 00 00      addiu $5,$0,-1
40447c: ff ff 05 00
404480: 02 00 00 00      jal 403b80 <__flshfp>
404484: e0 0e 10 00
internals.c:593
404488: 28 00 00 00      lw $16,68($16)
40448c: 44 00 10 10
404490: 06 00 00 00      bne $16,$0,404410 <__fillbf+0x358>
404494: de ff 00 10
internals.c:600
404498: 28 00 00 00      lw $2,76($17)
40449c: 4c 00 02 11
4044a0: 4f 00 00 00      andi $2,$2,8192
4044a4: 00 20 02 02
4044a8: 05 00 00 00      beq $2,$0,4044f0 <__fillbf+0x438>
4044ac: 10 00 00 02
internals.c:604
4044b0: 28 00 00 00      lw $2,16($17)
4044b4: 10 00 02 11
4044b8: 28 00 00 00      lw $4,20($17)
4044bc: 14 00 04 11
internals.c:605
4044c0: 28 00 00 00      lw $3,76($17)
4044c4: 4c 00 03 11
internals.c:604
4044c8: 42 00 00 00      addu $2,$2,$4
4044cc: 00 02 04 02
4044d0: 34 00 00 00      sw $2,12($17)
4044d4: 0c 00 02 11
internals.c:605
4044d8: 43 00 00 00      addiu $2,$0,-8193
4044dc: ff df 02 00
4044e0: 4e 00 00 00      and $3,$3,$2
4044e4: 00 03 02 03

```



```

4044e8:      34 00 00 00      sw $3,76($17)
4044ec:      4c 00 03 11
internals.c:610
4044f0:      28 00 00 00      lw $3,8($17)
4044f4:      08 00 03 11
4044f8:      28 00 00 00      lw $2,16($17)
4044fc:      10 00 02 11
404500:      28 00 00 00      lw $4,64($17)
404504:      40 00 04 11
internals.c:612
404508:      28 00 00 00      lw $5,12($17)
40450c:      0c 00 05 11
internals.c:610
404510:      45 00 00 00      subu $3,$3,$2
404514:      00 03 02 03
404518:      42 00 00 00      addu $16,$3,$4
40451c:      00 10 04 03
internals.c:612
404520:      5d 00 00 00      sltu $2,$2,$5
404524:      00 02 05 02
404528:      05 00 00 00      beq $2,$0,404578 <__fillbf+0x4c0>
40452c:      12 00 00 02
internals.c:616
404530:      28 00 00 00      lw $2,56($17)
404534:      38 00 02 11
404538:      06 00 00 00      bne $2,$0,404560 <__fillbf+0x4a8>
40453c:      08 00 00 02
internals.c:617
404540:      28 00 00 00      lw $2,76($17)
404544:      4c 00 02 11
404548:      51 00 00 00      ori $2,$2,1024
40454c:      00 04 02 02
404550:      34 00 00 00      sw $2,76($17)
404554:      4c 00 02 11
404558:      01 00 00 00      j 404578 <__fillbf+0x4c0>
40455c:      5e 11 10 00
internals.c:619
404560:      42 00 00 00      addu $4,$0,$17
404564:      00 04 11 00
404568:      43 00 00 00      addiu $5,$0,-1
40456c:      ff ff 05 00
404570:      04 00 00 00      jalr $31,$2
404574:      00 1f 00 02
internals.c:624
404578:      28 00 00 00      lw $3,76($17)
40457c:      4c 00 03 11
internals.c:622
404580:      34 00 00 00      sw $16,64($17)
404584:      40 00 10 11
internals.c:624
404588:      4f 00 00 00      andi $2,$3,1024
40458c:      00 04 02 03
404590:      06 00 00 00      bne $2,$0,404600 <__fillbf+0x548>
404594:      1a 00 00 02
internals.c:626
404598:      28 00 00 00      lw $2,52($17)
40459c:      34 00 02 11
4045a0:      05 00 00 00      beq $2,$0,4045f0 <__fillbf+0x538>
4045a4:      12 00 00 02
internals.c:628
4045a8:      42 00 00 00      addu $4,$0,$17
4045ac:      00 04 11 00
4045b0:      04 00 00 00      jalr $31,$2

```

```

4045b4: 00 1f 00 02
internals.c:629
4045b8: 28 00 00 00      lw $3,16($17)
4045bc: 10 00 03 11
internals.c:628
4045c0: 42 00 00 00      addu $4,$0,$2
4045c4: 00 04 02 00
internals.c:629
4045c8: 06 00 00 00      bne $3,$0,404608 <__fillbf+0x550>
4045cc: 0e 00 00 03
internals.c:634
4045d0: 28 00 00 00      lw $2,64($17)
4045d4: 40 00 02 11
4045d8: 43 00 00 00      addiu $2,$2,1
4045dc: 01 00 02 02
4045e0: 34 00 00 00      sw $2,64($17)
4045e4: 40 00 02 11
internals.c:635
4045e8: 01 00 00 00      j 404608 <__fillbf+0x550>
4045ec: 82 11 10 00
internals.c:639
4045f0: 51 00 00 00      ori $2,$3,512
4045f4: 00 02 02 03
4045f8: 34 00 00 00      sw $2,76($17)
4045fc: 4c 00 02 11
internals.c:640
404600: 43 00 00 00      addiu $4,$0,-1
404604: ff ff 04 00
internals.c:643
404608: 42 00 00 00      addu $2,$0,$4
40460c: 00 02 04 00
internals.c:644
404610: 28 00 00 00      lw $31,32($29)
404614: 20 00 1f 1d
404618: 28 00 00 00      lw $19,28($29)
40461c: 1c 00 13 1d
404620: 28 00 00 00      lw $18,24($29)
404624: 18 00 12 1d
404628: 28 00 00 00      lw $17,20($29)
40462c: 14 00 11 1d
404630: 28 00 00 00      lw $16,16($29)
404634: 10 00 10 1d
404638: 43 00 00 00      addiu $29,$29,40
40463c: 28 00 1d 1d
404640: 03 00 00 00      jr $31
404644: 00 00 00 1f

```

00404648 <__invalidate>:

__invalidate():

```

internals.c:650
404648: 43 00 00 00      addiu $29,$29,-32
40464c: e0 ff 1d 1d
404650: 34 00 00 00      sw $16,16($29)
404654: 10 00 10 1d
404658: 42 00 00 00      addu $16,$0,$4
40465c: 00 10 04 00
404660: 34 00 00 00      sw $31,24($29)
404664: 18 00 1f 1d
404668: 34 00 00 00      sw $17,20($29)
40466c: 14 00 11 1d
internals.c:652
404670: 28 00 00 00      lw $17,68($16)
404674: 44 00 11 10

```

internals.c:655

```
404678:    42 00 00 00    addu $5,$0,$0
40467c:    00 05 00 00
404680:    43 00 00 00    addiu $6,$0,80
404684:    50 00 06 00
404688:    02 00 00 00    jal 401d20 <memset>
40468c:    48 07 10 00
```

internals.c:658

```
404690:    34 00 00 00    sw $17,68($16)
404694:    44 00 11 10
```

internals.c:659

```
404698:    28 00 00 00    lw $31,24($29)
40469c:    18 00 1f 1d
4046a0:    28 00 00 00    lw $17,20($29)
4046a4:    14 00 11 1d
4046a8:    28 00 00 00    lw $16,16($29)
4046ac:    10 00 10 1d
4046b0:    43 00 00 00    addiu $29,$29,32
4046b4:    20 00 1d 1d
4046b8:    03 00 00 00    jr $31
4046bc:    00 00 00 1f
```

004046c0 <__stdio_read>:

__stdio_read():

../sysdeps/generic/sysd-stdio.c:34

```
4046c0:    43 00 00 00    addiu $29,$29,-24
4046c4:    e8 ff 1d 1d
4046c8:    34 00 00 00    sw $31,16($29)
4046cc:    10 00 1f 1d
```

../sysdeps/generic/sysd-stdio.c:53

```
4046d0:    02 00 00 00    jal 405730 <__read>
4046d4:    cc 15 10 00
```

../sysdeps/generic/sysd-stdio.c:55

```
4046d8:    28 00 00 00    lw $31,16($29)
4046dc:    10 00 1f 1d
4046e0:    43 00 00 00    addiu $29,$29,24
4046e4:    18 00 1d 1d
4046e8:    03 00 00 00    jr $31
4046ec:    00 00 00 1f
```

004046f0 <__stdio_write>:

__stdio_write():

../sysdeps/generic/sysd-stdio.c:62

```
4046f0:    43 00 00 00    addiu $29,$29,-40
4046f4:    d8 ff 1d 1d
4046f8:    34 00 00 00    sw $17,20($29)
4046fc:    14 00 11 1d
404700:    42 00 00 00    addu $17,$0,$5
404704:    00 11 05 00
404708:    34 00 00 00    sw $16,16($29)
40470c:    10 00 10 1d
404710:    42 00 00 00    addu $16,$0,$6
404714:    00 10 06 00
404718:    34 00 00 00    sw $18,24($29)
40471c:    18 00 12 1d
```

../sysdeps/generic/sysd-stdio.c:64

```
404720:    42 00 00 00    addu $18,$0,$0
404724:    00 12 00 00
```

../sysdeps/generic/sysd-stdio.c:62

```
404728:    34 00 00 00    sw $19,28($29)
40472c:    1c 00 13 1d
```

../sysdeps/generic/sysd-stdio.c:63

```
404730:    42 00 00 00    addu $19,$0,$4
```

```
404734:      00 13 04 00
../sysdeps/generic/sysd-stdio.c:62
404738:      34 00 00 00      sw $31,32($29)
40473c:      20 00 1f 1d
../sysdeps/generic/sysd-stdio.c:66
404740:      05 00 00 00      beq $16,$0,4047a8 <__stdio_write+0xb8>
404744:      18 00 00 10
../sysdeps/generic/sysd-stdio.c:68
404748:      42 00 00 00      addu $4,$0,$19
40474c:      00 04 13 00
404750:      42 00 00 00      addu $5,$0,$17
404754:      00 05 11 00
404758:      42 00 00 00      addu $6,$0,$16
40475c:      00 06 10 00
404760:      02 00 00 00      jal 405770 <__write>
404764:      dc 15 10 00
../sysdeps/generic/sysd-stdio.c:69
404768:      08 00 00 00      bgtz $2,404788 <__stdio_write+0x98>
40476c:      06 00 00 02
../sysdeps/generic/sysd-stdio.c:75
404770:      0a 00 00 00      bgez $2,4047a0 <__stdio_write+0xb0>
404774:      0a 00 00 02
../sysdeps/generic/sysd-stdio.c:81
404778:      43 00 00 00      addiu $2,$0,-1
40477c:      ff ff 02 00
404780:      01 00 00 00      j 4047b0 <__stdio_write+0xc0>
404784:      ec 11 10 00
../sysdeps/generic/sysd-stdio.c:71
404788:      42 00 00 00      addu $17,$17,$2
40478c:      00 11 02 11
../sysdeps/generic/sysd-stdio.c:72
404790:      42 00 00 00      addu $18,$18,$2
404794:      00 12 02 12
../sysdeps/generic/sysd-stdio.c:73
404798:      45 00 00 00      subu $16,$16,$2
40479c:      00 10 02 10
../sysdeps/generic/sysd-stdio.c:82
4047a0:      06 00 00 00      bne $16,$0,404748 <__stdio_write+0x58>
4047a4:      e8 ff 00 10
../sysdeps/generic/sysd-stdio.c:84
4047a8:      42 00 00 00      addu $2,$0,$18
4047ac:      00 02 12 00
../sysdeps/generic/sysd-stdio.c:85
4047b0:      28 00 00 00      lw $31,32($29)
4047b4:      20 00 1f 1d
4047b8:      28 00 00 00      lw $19,28($29)
4047bc:      1c 00 13 1d
4047c0:      28 00 00 00      lw $18,24($29)
4047c4:      18 00 12 1d
4047c8:      28 00 00 00      lw $17,20($29)
4047cc:      14 00 11 1d
4047d0:      28 00 00 00      lw $16,16($29)
4047d4:      10 00 10 1d
4047d8:      43 00 00 00      addiu $29,$29,40
4047dc:      28 00 1d 1d
4047e0:      03 00 00 00      jr $31
4047e4:      00 00 00 1f
```

004047e8 <__stdio_seek>:

__stdio_seek():

```
../sysdeps/generic/sysd-stdio.c:94
4047e8:      43 00 00 00      addiu $29,$29,-24
4047ec:      e8 ff 1d 1d
```

```
4047f0:      34 00 00 00      sw $16,16($29)
4047f4:      10 00 10 1d
4047f8:      42 00 00 00      addu $16,$0,$5
4047fc:      00 10 05 00
404800:      34 00 00 00      sw $31,20($29)
404804:      14 00 1f 1d
../sysdeps/generic/sysd-stdio.c:96
404808:      28 00 00 00      lw $5,0($16)
40480c:      00 00 05 10
404810:      02 00 00 00      jal 4057b0 <__lseek>
404814:      ec 15 10 00
../sysdeps/generic/sysd-stdio.c:97
404818:      09 00 00 00      bltz $2,404838 <__stdio_seek+0x50>
40481c:      06 00 00 02
../sysdeps/generic/sysd-stdio.c:99
404820:      34 00 00 00      sw $2,0($16)
404824:      00 00 02 10
../sysdeps/generic/sysd-stdio.c:100
404828:      42 00 00 00      addu $2,$0,$0
40482c:      00 02 00 00
404830:      01 00 00 00      j 404840 <__stdio_seek+0x58>
404834:      10 12 10 00
../sysdeps/generic/sysd-stdio.c:98
404838:      43 00 00 00      addiu $2,$0,1
40483c:      01 00 02 00
../sysdeps/generic/sysd-stdio.c:101
404840:      28 00 00 00      lw $31,20($29)
404844:      14 00 1f 1d
404848:      28 00 00 00      lw $16,16($29)
40484c:      10 00 10 1d
404850:      43 00 00 00      addiu $29,$29,24
404854:      18 00 1d 1d
404858:      03 00 00 00      jr $31
40485c:      00 00 00 1f
```

00404860 <__stdio_close>:

__stdio_close():

```
../sysdeps/generic/sysd-stdio.c:107
404860:      43 00 00 00      addiu $29,$29,-24
404864:      e8 ff 1d 1d
404868:      34 00 00 00      sw $31,16($29)
40486c:      10 00 1f 1d
../sysdeps/generic/sysd-stdio.c:108
404870:      02 00 00 00      jal 4057f0 <__close>
404874:      fc 15 10 00
404878:      28 00 00 00      lw $31,16($29)
40487c:      10 00 1f 1d
404880:      43 00 00 00      addiu $29,$29,24
404884:      18 00 1d 1d
404888:      03 00 00 00      jr $31
40488c:      00 00 00 1f
```

00404890 <__stdio_fileno>:

__stdio_fileno():

```
../sysdeps/generic/sysd-stdio.c:117
404890:      42 00 00 00      addu $2,$0,$4
404894:      00 02 04 00
404898:      03 00 00 00      jr $31
40489c:      00 00 00 1f
```

004048a0 <__stdio_open>:

__stdio_open():

```
../sysdeps/generic/sysd-stdio.c:125
```

```
4048a0:      43 00 00 00      addiu $29,$29,-24
4048a4:      e8 ff 1d 1d
4048a8:      42 00 00 00      addu $7,$0,$5
4048ac:      00 07 05 00
4048b0:      34 00 00 00      sw $16,16($29)
4048b4:      10 00 10 1d
4048b8:      42 00 00 00      addu $16,$0,$6
4048bc:      00 10 06 00
../sysdeps/generic/sysd-stdio.c:129
4048c0:      4f 00 00 00      andi $3,$7,3
4048c4:      03 00 03 07
4048c8:      43 00 00 00      addiu $2,$0,3
4048cc:      03 00 02 00
../sysdeps/generic/sysd-stdio.c:125
4048d0:      34 00 00 00      sw $31,20($29)
4048d4:      14 00 1f 1d
../sysdeps/generic/sysd-stdio.c:129
4048d8:      06 00 00 00      bne $3,$2,4048f0 <__stdio_open+0x50>
4048dc:      04 00 02 03
../sysdeps/generic/sysd-stdio.c:130
4048e0:      43 00 00 00      addiu $5,$0,2
4048e4:      02 00 05 00
4048e8:      01 00 00 00      j 404900 <__stdio_open+0x60>
4048ec:      40 12 10 00
../sysdeps/generic/sysd-stdio.c:132
4048f0:      53 00 00 00      xori $5,$7,1
4048f4:      01 00 05 07
4048f8:      4f 00 00 00      andi $5,$5,1
4048fc:      01 00 05 05
../sysdeps/generic/sysd-stdio.c:134
404900:      4f 00 00 00      andi $2,$7,4
404904:      04 00 02 07
404908:      05 00 00 00      beq $2,$0,404918 <__stdio_open+0x78>
40490c:      02 00 00 02
../sysdeps/generic/sysd-stdio.c:135
404910:      51 00 00 00      ori $5,$5,8
404914:      08 00 05 05
../sysdeps/generic/sysd-stdio.c:136
404918:      4f 00 00 00      andi $2,$7,32
40491c:      20 00 02 07
404920:      05 00 00 00      beq $2,$0,404930 <__stdio_open+0x90>
404924:      02 00 00 02
../sysdeps/generic/sysd-stdio.c:137
404928:      51 00 00 00      ori $5,$5,2048
40492c:      00 08 05 05
../sysdeps/generic/sysd-stdio.c:138
404930:      4f 00 00 00      andi $2,$7,64
404934:      40 00 02 07
404938:      05 00 00 00      beq $2,$0,404948 <__stdio_open+0xa8>
40493c:      02 00 00 02
../sysdeps/generic/sysd-stdio.c:139
404940:      51 00 00 00      ori $5,$5,1024
404944:      00 04 05 05
../sysdeps/generic/sysd-stdio.c:141
404948:      4f 00 00 00      andi $2,$7,16
40494c:      10 00 02 07
404950:      05 00 00 00      beq $2,$0,404978 <__stdio_open+0xd8>
404954:      08 00 00 02
../sysdeps/generic/sysd-stdio.c:142
404958:      51 00 00 00      ori $5,$5,512
40495c:      00 02 05 05
404960:      43 00 00 00      addiu $6,$0,438
404964:      b6 01 06 00
```

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```
404968:      02 00 00 00      jal 405830 <__open>
40496c:      0c 16 10 00
404970:      01 00 00 00      j 404980 <__stdio_open+0xe0>
404974:      60 12 10 00
../sysdeps/generic/sysd-stdio.c:145
404978:      02 00 00 00      jal 405830 <__open>
40497c:      0c 16 10 00
../sysdeps/generic/sysd-stdio.c:147
404980:      09 00 00 00      bltz $2,4049a0 <__stdio_open+0x100>
404984:      06 00 00 02
../sysdeps/generic/sysd-stdio.c:150
404988:      34 00 00 00      sw $2,0($16)
40498c:      00 00 02 10
../sysdeps/generic/sysd-stdio.c:151
404990:      42 00 00 00      addu $2,$0,$0
404994:      00 02 00 00
404998:      01 00 00 00      j 4049a8 <__stdio_open+0x108>
40499c:      6a 12 10 00
../sysdeps/generic/sysd-stdio.c:148
4049a0:      43 00 00 00      addiu $2,$0,-1
4049a4:      ff ff 02 00
../sysdeps/generic/sysd-stdio.c:152
4049a8:      28 00 00 00      lw $31,20($29)
4049ac:      14 00 1f 1d
4049b0:      28 00 00 00      lw $16,16($29)
4049b4:      10 00 10 1d
4049b8:      43 00 00 00      addiu $29,$29,24
4049bc:      18 00 1d 1d
4049c0:      03 00 00 00      jr $31
4049c4:      00 00 00 1f
```

004049c8 <__stdio_reopen>:

__stdio_reopen():

```
../sysdeps/generic/sysd-stdio.c:161
4049c8:      43 00 00 00      addiu $29,$29,-48
4049cc:      d0 ff 1d 1d
4049d0:      34 00 00 00      sw $17,28($29)
4049d4:      1c 00 11 1d
4049d8:      42 00 00 00      addu $17,$0,$4
4049dc:      00 11 04 00
4049e0:      34 00 00 00      sw $16,24($29)
4049e4:      18 00 10 1d
4049e8:      42 00 00 00      addu $16,$0,$5
4049ec:      00 10 05 00
4049f0:      34 00 00 00      sw $18,32($29)
4049f4:      20 00 12 1d
4049f8:      42 00 00 00      addu $18,$0,$6
4049fc:      00 12 06 00
404a00:      34 00 00 00      sw $20,40($29)
404a04:      28 00 14 1d
404a08:      42 00 00 00      addu $20,$0,$7
404a0c:      00 14 07 00
404a10:      34 00 00 00      sw $19,36($29)
404a14:      24 00 13 1d
404a18:      43 00 00 00      addiu $19,$29,16
404a1c:      10 00 13 1d
404a20:      4f 00 00 00      andi $3,$16,3
404a24:      03 00 03 10
404a28:      43 00 00 00      addiu $2,$0,3
404a2c:      03 00 02 00
404a30:      34 00 00 00      sw $31,44($29)
404a34:      2c 00 1f 1d
404a38:      06 00 00 00      bne $3,$2,404a50 <__stdio_reopen+0x88>
```

```
404a3c: 04 00 02 03
404a40: 43 00 00 00      addiu $5,$0,2
404a44: 02 00 05 00
404a48: 01 00 00 00      j 404a60 <__stdio_reopen+0x98>
404a4c: 98 12 10 00
404a50: 53 00 00 00      xori $5,$16,1
404a54: 01 00 05 10
404a58: 4f 00 00 00      andi $5,$5,1
404a5c: 01 00 05 05
404a60: 4f 00 00 00      andi $2,$16,4
404a64: 04 00 02 10
404a68: 05 00 00 00      beq $2,$0,404a78 <__stdio_reopen+0xb0>
404a6c: 02 00 00 02
404a70: 51 00 00 00      ori $5,$5,8
404a74: 08 00 05 05
404a78: 4f 00 00 00      andi $2,$16,32
404a7c: 20 00 02 10
404a80: 05 00 00 00      beq $2,$0,404a90 <__stdio_reopen+0xc8>
404a84: 02 00 00 02
404a88: 51 00 00 00      ori $5,$5,2048
404a8c: 00 08 05 05
404a90: 4f 00 00 00      andi $2,$16,64
404a94: 40 00 02 10
404a98: 05 00 00 00      beq $2,$0,404aa8 <__stdio_reopen+0xe0>
404a9c: 02 00 00 02
404aa0: 51 00 00 00      ori $5,$5,1024
404aa4: 00 04 05 05
404aa8: 4f 00 00 00      andi $2,$16,16
404aac: 10 00 02 10
404ab0: 05 00 00 00      beq $2,$0,404ae0 <__stdio_reopen+0x118>
404ab4: 0a 00 00 02
404ab8: 42 00 00 00      addu $4,$0,$17
404abc: 00 04 11 00
404ac0: 51 00 00 00      ori $5,$5,512
404ac4: 00 02 05 05
404ac8: 43 00 00 00      addiu $6,$0,438
404acc: b6 01 06 00
404ad0: 02 00 00 00      jal 405830 <__open>
404ad4: 0c 16 10 00
404ad8: 01 00 00 00      j 404af0 <__stdio_reopen+0x128>
404adc: bc 12 10 00
404ae0: 42 00 00 00      addu $4,$0,$17
404ae4: 00 04 11 00
404ae8: 02 00 00 00      jal 405830 <__open>
404aec: 0c 16 10 00
404af0: 0a 00 00 00      bgez $2,404b08 <__stdio_reopen+0x140>
404af4: 04 00 00 02
404af8: 43 00 00 00      addiu $2,$0,-1
404afc: ff ff 02 00
404b00: 01 00 00 00      j 404b18 <__stdio_reopen+0x150>
404b04: c6 12 10 00
404b08: 34 00 00 00      sw $2,0($19)
404b0c: 00 00 02 13
404b10: 42 00 00 00      addu $2,$0,$0
404b14: 00 02 00 00
../sysdeps/generic/sysd-stdio.c:167
404b18: 05 00 00 00      beq $2,$0,404c60 <__stdio_reopen+0x298>
404b1c: 50 00 00 02
../sysdeps/generic/sysd-stdio.c:169
404b20: 28 00 00 00      lw $2,-32592($28)
404b24: b0 80 02 1c
404b28: 43 00 00 00      addiu $2,$2,-23
404b2c: e9 ff 02 02
```



```
404b30:      5e 00 00 00      sltiu $2,$2,2
404b34:      02 00 02 02
404b38:      05 00 00 00      beq $2,$0,404c60 <__stdio_reopen+0x298>
404b3c:      48 00 00 02
../sysdeps/generic/sysd-stdio.c:173
404b40:      28 00 00 00      lw $4,0($18)
404b44:      00 00 04 12
404b48:      04 00 00 00      jalr $31,$20
404b4c:      00 1f 00 14
404b50:      43 00 00 00      addiu $19,$29,16
404b54:      10 00 13 1d
404b58:      4f 00 00 00      andi $3,$16,3
404b5c:      03 00 03 10
404b60:      43 00 00 00      addiu $2,$0,3
404b64:      03 00 02 00
404b68:      06 00 00 00      bne $3,$2,404b80 <__stdio_reopen+0x1b8>
404b6c:      04 00 02 03
404b70:      43 00 00 00      addiu $5,$0,2
404b74:      02 00 05 00
404b78:      01 00 00 00      j 404b90 <__stdio_reopen+0x1c8>
404b7c:      e4 12 10 00
404b80:      53 00 00 00      xori $5,$16,1
404b84:      01 00 05 10
404b88:      4f 00 00 00      andi $5,$5,1
404b8c:      01 00 05 05
404b90:      4f 00 00 00      andi $2,$16,4
404b94:      04 00 02 10
404b98:      05 00 00 00      beq $2,$0,404ba8 <__stdio_reopen+0x1e0>
404b9c:      02 00 00 02
404ba0:      51 00 00 00      ori $5,$5,8
404ba4:      08 00 05 05
404ba8:      4f 00 00 00      andi $2,$16,32
404bac:      20 00 02 10
404bb0:      05 00 00 00      beq $2,$0,404bc0 <__stdio_reopen+0x1f8>
404bb4:      02 00 00 02
404bb8:      51 00 00 00      ori $5,$5,2048
404bbc:      00 08 05 05
404bc0:      4f 00 00 00      andi $2,$16,64
404bc4:      40 00 02 10
404bc8:      05 00 00 00      beq $2,$0,404bd8 <__stdio_reopen+0x210>
404bcc:      02 00 00 02
404bd0:      51 00 00 00      ori $5,$5,1024
404bd4:      00 04 05 05
404bd8:      4f 00 00 00      andi $2,$16,16
404bdc:      10 00 02 10
404be0:      05 00 00 00      beq $2,$0,404c10 <__stdio_reopen+0x248>
404be4:      0a 00 00 02
404be8:      42 00 00 00      addu $4,$0,$17
404bec:      00 04 11 00
404bf0:      51 00 00 00      ori $5,$5,512
404bf4:      00 02 05 05
404bf8:      43 00 00 00      addiu $6,$0,438
404bfc:      b6 01 06 00
404c00:      02 00 00 00      jal 405830 <__open>
404c04:      0c 16 10 00
404c08:      01 00 00 00      j 404c20 <__stdio_reopen+0x258>
404c0c:      08 13 10 00
404c10:      42 00 00 00      addu $4,$0,$17
404c14:      00 04 11 00
404c18:      02 00 00 00      jal 405830 <__open>
404c1c:      0c 16 10 00
404c20:      0a 00 00 00      bgez $2,404c38 <__stdio_reopen+0x270>
404c24:      04 00 00 02
```

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```
404c28:      43 00 00 00      addiu $2,$0,-1
404c2c:      ff ff 02 00
404c30:      01 00 00 00      j 404c48 <__stdio_reopen+0x280>
404c34:      12 13 10 00
404c38:      34 00 00 00      sw $2,0($19)
404c3c:      00 00 02 13
404c40:      42 00 00 00      addu $2,$0,$0
404c44:      00 02 00 00
../sysdeps/generic/sysd-stdio.c:174
404c48:      05 00 00 00      beq $2,$0,404c60 <__stdio_reopen+0x298>
404c4c:      04 00 00 02
../sysdeps/generic/sysd-stdio.c:175
404c50:      43 00 00 00      addiu $2,$0,-1
404c54:      ff ff 02 00
404c58:      01 00 00 00      j 404cb8 <__stdio_reopen+0x2f0>
404c5c:      2e 13 10 00
../sysdeps/generic/sysd-stdio.c:179
404c60:      28 00 00 00      lw $4,16($29)
404c64:      10 00 04 1d
404c68:      28 00 00 00      lw $5,0($18)
404c6c:      00 00 05 12
404c70:      05 00 00 00      beq $4,$5,404cb0 <__stdio_reopen+0x2e8>
404c74:      0e 00 05 04
../sysdeps/generic/sysd-stdio.c:181
404c78:      a2 00 00 00      lui $2,64
404c7c:      40 00 02 00
404c80:      43 00 00 00      addiu $2,$2,18528
404c84:      60 48 02 02
404c88:      06 00 00 00      bne $20,$2,404ca0 <__stdio_reopen+0x2d8>
404c8c:      04 00 02 14
404c90:      02 00 00 00      jal 405870 <__dup2>
404c94:      1c 16 10 00
404c98:      0a 00 00 00      bgez $2,404cb0 <__stdio_reopen+0x2e8>
404c9c:      04 00 00 02
../sysdeps/generic/sysd-stdio.c:185
404ca0:      28 00 00 00      lw $2,16($29)
404ca4:      10 00 02 1d
404ca8:      34 00 00 00      sw $2,0($18)
404cac:      00 00 02 12
../sysdeps/generic/sysd-stdio.c:188
404cb0:      42 00 00 00      addu $2,$0,$0
404cb4:      00 02 00 00
../sysdeps/generic/sysd-stdio.c:189
404cb8:      28 00 00 00      lw $31,44($29)
404cbc:      2c 00 1f 1d
404cc0:      28 00 00 00      lw $20,40($29)
404cc4:      28 00 14 1d
404cc8:      28 00 00 00      lw $19,36($29)
404ccc:      24 00 13 1d
404cd0:      28 00 00 00      lw $18,32($29)
404cd4:      20 00 12 1d
404cd8:      28 00 00 00      lw $17,28($29)
404cdc:      1c 00 11 1d
404ce0:      28 00 00 00      lw $16,24($29)
404ce4:      18 00 10 1d
404ce8:      43 00 00 00      addiu $29,$29,48
404cec:      30 00 1d 1d
404cf0:      03 00 00 00      jr $31
404cf4:      00 00 00 1f
```

...

00404d00 <__sbrk>:
__sbrk():

```
../sysdeps/generic/__sbrk.c:29
404d00: 43 00 00 00      addiu $29,$29,-24
404d04: e8 ff 1d 1d
404d08: 34 00 00 00      sw $31,20($29)
404d0c: 14 00 1f 1d
404d10: 34 00 00 00      sw $16,16($29)
404d14: 10 00 10 1d
../sysdeps/generic/__sbrk.c:32
404d18: 06 00 00 00      bne $4,$0,404d30 <__sbrk+0x30>
404d1c: 04 00 00 04
../sysdeps/generic/__sbrk.c:33
404d20: 28 00 00 00      lw $2,-32640($28)
404d24: 80 80 02 1c
404d28: 01 00 00 00      j 404d68 <__sbrk+0x68>
404d2c: 5a 13 10 00
../sysdeps/generic/__sbrk.c:35
404d30: 28 00 00 00      lw $16,-32640($28)
404d34: 80 80 10 1c
../sysdeps/generic/__sbrk.c:36
404d38: 42 00 00 00      addu $4,$16,$4
404d3c: 00 04 04 10
404d40: 02 00 00 00      jal 4058a0 <__brk>
404d44: 28 16 10 00
404d48: 42 00 00 00      addu $3,$0,$2
404d4c: 00 03 02 00
../sysdeps/generic/__sbrk.c:37
404d50: 43 00 00 00      addiu $2,$0,-1
404d54: ff ff 02 00
../sysdeps/generic/__sbrk.c:36
404d58: 09 00 00 00      bltz $3,404d68 <__sbrk+0x68>
404d5c: 02 00 00 03
../sysdeps/generic/__sbrk.c:39
404d60: 42 00 00 00      addu $2,$0,$16
404d64: 00 02 10 00
../sysdeps/generic/__sbrk.c:40
404d68: 28 00 00 00      lw $31,20($29)
404d6c: 14 00 1f 1d
404d70: 28 00 00 00      lw $16,16($29)
404d74: 10 00 10 1d
404d78: 43 00 00 00      addiu $29,$29,24
404d7c: 18 00 1d 1d
404d80: 03 00 00 00      jr $31
404d84: 00 00 00 1f
...
```

00404d90 <_wordcopy_fwd_aligned>:

_wordcopy_fwd_aligned():

```
../sysdeps/generic/wordcopy.c:36
404d90: 4f 00 00 00      andi $7,$6,7
404d94: 07 00 07 06
404d98: 5e 00 00 00      sltiu $2,$7,8
404d9c: 08 00 02 07
404da0: 05 00 00 00      beq $2,$0,404ef0 <_wordcopy_fwd_aligned+0x160>
404da4: 52 00 00 02
404da8: 55 00 00 00      sll $2,$7,0x2
404dac: 02 02 07 00
404db0: a2 00 00 00      lui $1,4096
404db4: 00 10 01 00
404db8: 42 00 00 00      addu $1,$1,$2
404dbc: 00 01 02 01
404dc0: 28 00 00 00      lw $2,32($1)
404dc4: 20 00 02 01
404dc8: 03 00 00 00      jr $2
```

```
404dcc:      00 00 00 02
../sysdeps/generic/wordcopy.c:39
404dd0:      28 00 00 00      lw $2,0($5)
404dd4:      00 00 02 05
../sysdeps/generic/wordcopy.c:41
404dd8:      43 00 00 00      addiu $4,$4,-28
404ddc:      e4 ff 04 04
../sysdeps/generic/wordcopy.c:42
404de0:      43 00 00 00      addiu $6,$6,6
404de4:      06 00 06 06
../sysdeps/generic/wordcopy.c:40
404de8:      43 00 00 00      addiu $5,$5,-24
404dec:      e8 ff 05 05
../sysdeps/generic/wordcopy.c:43
404df0:      01 00 00 00      j 404f60 <_wordcopy_fwd_aligned+0x1d0>
404df4:      d8 13 10 00
../sysdeps/generic/wordcopy.c:45
404df8:      28 00 00 00      lw $3,0($5)
404dfc:      00 00 03 05
../sysdeps/generic/wordcopy.c:47
404e00:      43 00 00 00      addiu $4,$4,-24
404e04:      e8 ff 04 04
../sysdeps/generic/wordcopy.c:48
404e08:      43 00 00 00      addiu $6,$6,5
404e0c:      05 00 06 06
../sysdeps/generic/wordcopy.c:46
404e10:      43 00 00 00      addiu $5,$5,-20
404e14:      ec ff 05 05
../sysdeps/generic/wordcopy.c:49
404e18:      01 00 00 00      j 404f50 <_wordcopy_fwd_aligned+0x1c0>
404e1c:      d4 13 10 00
../sysdeps/generic/wordcopy.c:51
404e20:      28 00 00 00      lw $2,0($5)
404e24:      00 00 02 05
../sysdeps/generic/wordcopy.c:53
404e28:      43 00 00 00      addiu $4,$4,-20
404e2c:      ec ff 04 04
../sysdeps/generic/wordcopy.c:54
404e30:      43 00 00 00      addiu $6,$6,4
404e34:      04 00 06 06
../sysdeps/generic/wordcopy.c:52
404e38:      43 00 00 00      addiu $5,$5,-16
404e3c:      f0 ff 05 05
../sysdeps/generic/wordcopy.c:55
404e40:      01 00 00 00      j 404f40 <_wordcopy_fwd_aligned+0x1b0>
404e44:      d0 13 10 00
../sysdeps/generic/wordcopy.c:57
404e48:      28 00 00 00      lw $3,0($5)
404e4c:      00 00 03 05
../sysdeps/generic/wordcopy.c:59
404e50:      43 00 00 00      addiu $4,$4,-16
404e54:      f0 ff 04 04
../sysdeps/generic/wordcopy.c:60
404e58:      43 00 00 00      addiu $6,$6,3
404e5c:      03 00 06 06
../sysdeps/generic/wordcopy.c:58
404e60:      43 00 00 00      addiu $5,$5,-12
404e64:      f4 ff 05 05
../sysdeps/generic/wordcopy.c:61
404e68:      01 00 00 00      j 404f30 <_wordcopy_fwd_aligned+0x1a0>
404e6c:      cc 13 10 00
../sysdeps/generic/wordcopy.c:63
404e70:      28 00 00 00      lw $2,0($5)
```

```
404e74: 00 00 02 05
../sysdeps/generic/wordcopy.c:65
404e78: 43 00 00 00      addiu $4,$4,-12
404e7c: f4 ff 04 04
../sysdeps/generic/wordcopy.c:66
404e80: 43 00 00 00      addiu $6,$6,2
404e84: 02 00 06 06
../sysdeps/generic/wordcopy.c:64
404e88: 43 00 00 00      addiu $5,$5,-8
404e8c: f8 ff 05 05
../sysdeps/generic/wordcopy.c:67
404e90: 01 00 00 00      j 404f20 <_wordcopy_fwd_aligned+0x190>
404e94: c8 13 10 00
../sysdeps/generic/wordcopy.c:69
404e98: 28 00 00 00      lw $3,0($5)
404e9c: 00 00 03 05
../sysdeps/generic/wordcopy.c:71
404ea0: 43 00 00 00      addiu $4,$4,-8
404ea4: f8 ff 04 04
../sysdeps/generic/wordcopy.c:72
404ea8: 43 00 00 00      addiu $6,$6,1
404eac: 01 00 06 06
../sysdeps/generic/wordcopy.c:70
404eb0: 43 00 00 00      addiu $5,$5,-4
404eb4: fc ff 05 05
../sysdeps/generic/wordcopy.c:73
404eb8: 01 00 00 00      j 404f10 <_wordcopy_fwd_aligned+0x180>
404ebc: c4 13 10 00
../sysdeps/generic/wordcopy.c:78
404ec0: 28 00 00 00      lw $2,0($5)
404ec4: 00 00 02 05
../sysdeps/generic/wordcopy.c:80
404ec8: 43 00 00 00      addiu $4,$4,-4
404ecc: fc ff 04 04
../sysdeps/generic/wordcopy.c:81
404ed0: 01 00 00 00      j 404f00 <_wordcopy_fwd_aligned+0x170>
404ed4: c0 13 10 00
../sysdeps/generic/wordcopy.c:83
404ed8: 28 00 00 00      lw $3,0($5)
404edc: 00 00 03 05
../sysdeps/generic/wordcopy.c:86
404ee0: 43 00 00 00      addiu $6,$6,-1
404ee4: ff ff 06 06
../sysdeps/generic/wordcopy.c:84
404ee8: 43 00 00 00      addiu $5,$5,4
404eec: 04 00 05 05
../sysdeps/generic/wordcopy.c:95
404ef0: 28 00 00 00      lw $2,0($5)
404ef4: 00 00 02 05
../sysdeps/generic/wordcopy.c:96
404ef8: 34 00 00 00      sw $3,0($4)
404efc: 00 00 03 04
../sysdeps/generic/wordcopy.c:98
404f00: 28 00 00 00      lw $3,4($5)
404f04: 04 00 03 05
../sysdeps/generic/wordcopy.c:99
404f08: 34 00 00 00      sw $2,4($4)
404f0c: 04 00 02 04
../sysdeps/generic/wordcopy.c:101
404f10: 28 00 00 00      lw $2,8($5)
404f14: 08 00 02 05
../sysdeps/generic/wordcopy.c:102
404f18: 34 00 00 00      sw $3,8($4)
```

```
404f1c: 08 00 03 04
../sysdeps/generic/wordcopy.c:104
404f20: 28 00 00 00      lw $3,12($5)
404f24: 0c 00 03 05
../sysdeps/generic/wordcopy.c:105
404f28: 34 00 00 00      sw $2,12($4)
404f2c: 0c 00 02 04
../sysdeps/generic/wordcopy.c:107
404f30: 28 00 00 00      lw $2,16($5)
404f34: 10 00 02 05
../sysdeps/generic/wordcopy.c:108
404f38: 34 00 00 00      sw $3,16($4)
404f3c: 10 00 03 04
../sysdeps/generic/wordcopy.c:110
404f40: 28 00 00 00      lw $3,20($5)
404f44: 14 00 03 05
../sysdeps/generic/wordcopy.c:111
404f48: 34 00 00 00      sw $2,20($4)
404f4c: 14 00 02 04
../sysdeps/generic/wordcopy.c:113
404f50: 28 00 00 00      lw $2,24($5)
404f54: 18 00 02 05
../sysdeps/generic/wordcopy.c:114
404f58: 34 00 00 00      sw $3,24($4)
404f5c: 18 00 03 04
../sysdeps/generic/wordcopy.c:116
404f60: 28 00 00 00      lw $3,28($5)
404f64: 1c 00 03 05
../sysdeps/generic/wordcopy.c:121
404f68: 43 00 00 00      addiu $6,$6,-8
404f6c: f8 ff 06 06
../sysdeps/generic/wordcopy.c:119
404f70: 43 00 00 00      addiu $5,$5,32
404f74: 20 00 05 05
../sysdeps/generic/wordcopy.c:117
404f78: 34 00 00 00      sw $2,28($4)
404f7c: 1c 00 02 04
../sysdeps/generic/wordcopy.c:120
404f80: 43 00 00 00      addiu $4,$4,32
404f84: 20 00 04 04
../sysdeps/generic/wordcopy.c:123
404f88: 06 00 00 00      bne $6,$0,404ef0 <_wordcopy_fwd_aligned+0x160>
404f8c: d8 ff 00 06
../sysdeps/generic/wordcopy.c:128
404f90: 34 00 00 00      sw $3,0($4)
404f94: 00 00 03 04
../sysdeps/generic/wordcopy.c:129
404f98: 03 00 00 00      jr $31
404f9c: 00 00 00 1f

00404fa0 <_wordcopy_fwd_dest_aligned>:
_wordcopy_fwd_dest_aligned():
../sysdeps/generic/wordcopy.c:146
404fa0: 4f 00 00 00      andi $3,$5,3
404fa4: 03 00 03 05
../sysdeps/generic/wordcopy.c:151
404fa8: 43 00 00 00      addiu $2,$0,-4
404fac: fc ff 02 00
404fb0: 4e 00 00 00      and $5,$5,$2
404fb4: 00 05 02 05
../sysdeps/generic/wordcopy.c:146
404fb8: 55 00 00 00      sll $11,$3,0x3
404fbc: 03 0b 03 00
```

```
../sysdeps/generic/wordcopy.c:147
404fc0:    43 00 00 00    addiu $2,$0,32
404fc4:    20 00 02 00
404fc8:    45 00 00 00    subu $12,$2,$11
404fcc:    00 0c 0b 02
../sysdeps/generic/wordcopy.c:153
404fd0:    4f 00 00 00    andi $3,$6,3
404fd4:    03 00 03 06
404fd8:    43 00 00 00    addiu $2,$0,1
404fdc:    01 00 02 00
404fe0:    05 00 00 00    beq $3,$2,405098 <_wordcopy_fwd_dest_aligned+0xf8>
404fe4:    2c 00 02 03
404fe8:    05 00 00 00    beq $3,$0,405070 <_wordcopy_fwd_dest_aligned+0xd0>
404fec:    20 00 00 03
404ff0:    43 00 00 00    addiu $2,$0,2
404ff4:    02 00 02 00
404ff8:    05 00 00 00    beq $3,$2,405018 <_wordcopy_fwd_dest_aligned+0x78>
404ffc:    06 00 02 03
405000:    43 00 00 00    addiu $2,$0,3
405004:    03 00 02 00
405008:    05 00 00 00    beq $3,$2,405048 <_wordcopy_fwd_dest_aligned+0xa8>
40500c:    0e 00 02 03
405010:    01 00 00 00    j 4050b8 <_wordcopy_fwd_dest_aligned+0x118>
405014:    2e 14 10 00
../sysdeps/generic/wordcopy.c:156
405018:    28 00 00 00    lw $8,0($5)
40501c:    00 00 08 05
../sysdeps/generic/wordcopy.c:157
405020:    28 00 00 00    lw $9,4($5)
405024:    04 00 09 05
../sysdeps/generic/wordcopy.c:159
405028:    43 00 00 00    addiu $4,$4,-12
40502c:    f4 ff 04 04
../sysdeps/generic/wordcopy.c:160
405030:    43 00 00 00    addiu $6,$6,2
405034:    02 00 06 06
../sysdeps/generic/wordcopy.c:158
405038:    43 00 00 00    addiu $5,$5,-4
40503c:    fc ff 05 05
../sysdeps/generic/wordcopy.c:161
405040:    01 00 00 00    j 405130 <_wordcopy_fwd_dest_aligned+0x190>
405044:    4c 14 10 00
../sysdeps/generic/wordcopy.c:163
405048:    28 00 00 00    lw $7,0($5)
40504c:    00 00 07 05
../sysdeps/generic/wordcopy.c:164
405050:    28 00 00 00    lw $8,4($5)
405054:    04 00 08 05
../sysdeps/generic/wordcopy.c:166
405058:    43 00 00 00    addiu $4,$4,-8
40505c:    f8 ff 04 04
../sysdeps/generic/wordcopy.c:167
405060:    43 00 00 00    addiu $6,$6,1
405064:    01 00 06 06
../sysdeps/generic/wordcopy.c:168
405068:    01 00 00 00    j 405108 <_wordcopy_fwd_dest_aligned+0x168>
40506c:    42 14 10 00
../sysdeps/generic/wordcopy.c:172
405070:    28 00 00 00    lw $10,0($5)
405074:    00 00 0a 05
../sysdeps/generic/wordcopy.c:173
405078:    28 00 00 00    lw $7,4($5)
40507c:    04 00 07 05
```

```
../sysdeps/generic/wordcopy.c:175
405080:      43 00 00 00      addiu $4,$4,-4
405084:      fc ff 04 04
../sysdeps/generic/wordcopy.c:174
405088:      43 00 00 00      addiu $5,$5,4
40508c:      04 00 05 05
../sysdeps/generic/wordcopy.c:177
405090:      01 00 00 00      j 4050e0 <_wordcopy_fwd_dest_aligned+0x140>
405094:      38 14 10 00
../sysdeps/generic/wordcopy.c:179
405098:      28 00 00 00      lw $9,0($5)
40509c:      00 00 09 05
../sysdeps/generic/wordcopy.c:180
4050a0:      28 00 00 00      lw $10,4($5)
4050a4:      04 00 0a 05
../sysdeps/generic/wordcopy.c:183
4050a8:      43 00 00 00      addiu $6,$6,-1
4050ac:      ff ff 06 06
../sysdeps/generic/wordcopy.c:181
4050b0:      43 00 00 00      addiu $5,$5,8
4050b4:      08 00 05 05
../sysdeps/generic/wordcopy.c:192
4050b8:      28 00 00 00      lw $7,0($5)
4050bc:      00 00 07 05
../sysdeps/generic/wordcopy.c:193
4050c0:      58 00 00 00      srlv $2,$9,$11
4050c4:      00 02 09 0b
4050c8:      56 00 00 00      sllv $3,$10,$12
4050cc:      00 03 0a 0c
4050d0:      50 00 00 00      or $2,$2,$3
4050d4:      00 02 03 02
4050d8:      34 00 00 00      sw $2,0($4)
4050dc:      00 00 02 04
../sysdeps/generic/wordcopy.c:195
4050e0:      28 00 00 00      lw $8,4($5)
4050e4:      04 00 08 05
../sysdeps/generic/wordcopy.c:196
4050e8:      58 00 00 00      srlv $2,$10,$11
4050ec:      00 02 0a 0b
4050f0:      56 00 00 00      sllv $3,$7,$12
4050f4:      00 03 07 0c
4050f8:      50 00 00 00      or $2,$2,$3
4050fc:      00 02 03 02
405100:      34 00 00 00      sw $2,4($4)
405104:      04 00 02 04
../sysdeps/generic/wordcopy.c:198
405108:      28 00 00 00      lw $9,8($5)
40510c:      08 00 09 05
../sysdeps/generic/wordcopy.c:199
405110:      58 00 00 00      srlv $2,$7,$11
405114:      00 02 07 0b
405118:      56 00 00 00      sllv $3,$8,$12
40511c:      00 03 08 0c
405120:      50 00 00 00      or $2,$2,$3
405124:      00 02 03 02
405128:      34 00 00 00      sw $2,8($4)
40512c:      08 00 02 04
../sysdeps/generic/wordcopy.c:201
405130:      28 00 00 00      lw $10,12($5)
405134:      0c 00 0a 05
../sysdeps/generic/wordcopy.c:206
405138:      43 00 00 00      addiu $6,$6,-4
40513c:      fc ff 06 06
```



```
../sysdeps/generic/wordcopy.c:202
405140:      58 00 00 00      srlv $2,$8,$11
405144:      00 02 08 0b
405148:      56 00 00 00      sllv $3,$9,$12
40514c:      00 03 09 0c
405150:      50 00 00 00      or $2,$2,$3
405154:      00 02 03 02
../sysdeps/generic/wordcopy.c:204
405158:      43 00 00 00      addiu $5,$5,16
40515c:      10 00 05 05
../sysdeps/generic/wordcopy.c:202
405160:      34 00 00 00      sw $2,12($4)
405164:      0c 00 02 04
../sysdeps/generic/wordcopy.c:205
405168:      43 00 00 00      addiu $4,$4,16
40516c:      10 00 04 04
../sysdeps/generic/wordcopy.c:208
405170:      06 00 00 00      bne $6,$0,4050b8 <_wordcopy_fwd_dest_aligned+0x118>
405174:      d0 ff 00 06
../sysdeps/generic/wordcopy.c:213
405178:      58 00 00 00      srlv $2,$9,$11
40517c:      00 02 09 0b
405180:      56 00 00 00      sllv $3,$10,$12
405184:      00 03 0a 0c
405188:      50 00 00 00      or $2,$2,$3
40518c:      00 02 03 02
405190:      34 00 00 00      sw $2,0($4)
405194:      00 00 02 04
../sysdeps/generic/wordcopy.c:214
405198:      03 00 00 00      jr $31
40519c:      00 00 00 1f

004051a0 <_wordcopy_bwd_aligned>:
_wordcopy_bwd_aligned():
../sysdeps/generic/wordcopy.c:227
4051a0:      4f 00 00 00      andi $7,$6,7
4051a4:      07 00 07 06
4051a8:      5e 00 00 00      sltiu $2,$7,8
4051ac:      08 00 02 07
4051b0:      05 00 00 00      beq $2,$0,405310 <_wordcopy_bwd_aligned+0x170>
4051b4:      56 00 00 02
4051b8:      55 00 00 00      sll $2,$7,0x2
4051bc:      02 02 07 00
4051c0:      a2 00 00 00      lui $1,4096
4051c4:      00 10 01 00
4051c8:      42 00 00 00      addu $1,$1,$2
4051cc:      00 01 02 01
4051d0:      28 00 00 00      lw $2,64($1)
4051d4:      40 00 02 01
4051d8:      03 00 00 00      jr $2
4051dc:      00 00 00 02
../sysdeps/generic/wordcopy.c:230
4051e0:      43 00 00 00      addiu $5,$5,-8
4051e4:      f8 ff 05 05
../sysdeps/generic/wordcopy.c:232
4051e8:      28 00 00 00      lw $2,4($5)
4051ec:      04 00 02 05
../sysdeps/generic/wordcopy.c:231
4051f0:      43 00 00 00      addiu $4,$4,-4
4051f4:      fc ff 04 04
../sysdeps/generic/wordcopy.c:233
4051f8:      43 00 00 00      addiu $6,$6,6
4051fc:      06 00 06 06
```

```
../sysdeps/generic/wordcopy.c:234
405200:    01 00 00 00      j 405380 <_wordcopy_bwd_aligned+0x1e0>
405204:    e0 14 10 00
../sysdeps/generic/wordcopy.c:236
405208:    43 00 00 00      addiu $5,$5,-12
40520c:    f4 ff 05 05
../sysdeps/generic/wordcopy.c:238
405210:    28 00 00 00      lw $3,8($5)
405214:    08 00 03 05
../sysdeps/generic/wordcopy.c:237
405218:    43 00 00 00      addiu $4,$4,-8
40521c:    f8 ff 04 04
../sysdeps/generic/wordcopy.c:239
405220:    43 00 00 00      addiu $6,$6,5
405224:    05 00 06 06
../sysdeps/generic/wordcopy.c:240
405228:    01 00 00 00      j 405370 <_wordcopy_bwd_aligned+0x1d0>
40522c:    dc 14 10 00
../sysdeps/generic/wordcopy.c:242
405230:    43 00 00 00      addiu $5,$5,-16
405234:    f0 ff 05 05
../sysdeps/generic/wordcopy.c:244
405238:    28 00 00 00      lw $2,12($5)
40523c:    0c 00 02 05
../sysdeps/generic/wordcopy.c:243
405240:    43 00 00 00      addiu $4,$4,-12
405244:    f4 ff 04 04
../sysdeps/generic/wordcopy.c:245
405248:    43 00 00 00      addiu $6,$6,4
40524c:    04 00 06 06
../sysdeps/generic/wordcopy.c:246
405250:    01 00 00 00      j 405360 <_wordcopy_bwd_aligned+0x1c0>
405254:    d8 14 10 00
../sysdeps/generic/wordcopy.c:248
405258:    43 00 00 00      addiu $5,$5,-20
40525c:    ec ff 05 05
../sysdeps/generic/wordcopy.c:250
405260:    28 00 00 00      lw $3,16($5)
405264:    10 00 03 05
../sysdeps/generic/wordcopy.c:249
405268:    43 00 00 00      addiu $4,$4,-16
40526c:    f0 ff 04 04
../sysdeps/generic/wordcopy.c:251
405270:    43 00 00 00      addiu $6,$6,3
405274:    03 00 06 06
../sysdeps/generic/wordcopy.c:252
405278:    01 00 00 00      j 405350 <_wordcopy_bwd_aligned+0x1b0>
40527c:    d4 14 10 00
../sysdeps/generic/wordcopy.c:254
405280:    43 00 00 00      addiu $5,$5,-24
405284:    e8 ff 05 05
../sysdeps/generic/wordcopy.c:256
405288:    28 00 00 00      lw $2,20($5)
40528c:    14 00 02 05
../sysdeps/generic/wordcopy.c:255
405290:    43 00 00 00      addiu $4,$4,-20
405294:    ec ff 04 04
../sysdeps/generic/wordcopy.c:257
405298:    43 00 00 00      addiu $6,$6,2
40529c:    02 00 06 06
../sysdeps/generic/wordcopy.c:258
4052a0:    01 00 00 00      j 405340 <_wordcopy_bwd_aligned+0x1a0>
4052a4:    d0 14 10 00
```

```
../sysdeps/generic/wordcopy.c:260
4052a8:      43 00 00 00      addiu $5,$5,-28
4052ac:      e4 ff 05 05
../sysdeps/generic/wordcopy.c:262
4052b0:      28 00 00 00      lw $3,24($5)
4052b4:      18 00 03 05
../sysdeps/generic/wordcopy.c:261
4052b8:      43 00 00 00      addiu $4,$4,-24
4052bc:      e8 ff 04 04
../sysdeps/generic/wordcopy.c:263
4052c0:      43 00 00 00      addiu $6,$6,1
4052c4:      01 00 06 06
../sysdeps/generic/wordcopy.c:264
4052c8:      01 00 00 00      j 405330 <_wordcopy_bwd_aligned+0x190>
4052cc:      cc 14 10 00
../sysdeps/generic/wordcopy.c:269
4052d0:      43 00 00 00      addiu $5,$5,-32
4052d4:      e0 ff 05 05
../sysdeps/generic/wordcopy.c:271
4052d8:      28 00 00 00      lw $2,28($5)
4052dc:      1c 00 02 05
../sysdeps/generic/wordcopy.c:270
4052e0:      43 00 00 00      addiu $4,$4,-28
4052e4:      e4 ff 04 04
../sysdeps/generic/wordcopy.c:272
4052e8:      01 00 00 00      j 405320 <_wordcopy_bwd_aligned+0x180>
4052ec:      c8 14 10 00
../sysdeps/generic/wordcopy.c:274
4052f0:      43 00 00 00      addiu $5,$5,-36
4052f4:      dc ff 05 05
../sysdeps/generic/wordcopy.c:275
4052f8:      43 00 00 00      addiu $4,$4,-32
4052fc:      e0 ff 04 04
../sysdeps/generic/wordcopy.c:276
405300:      28 00 00 00      lw $3,32($5)
405304:      20 00 03 05
../sysdeps/generic/wordcopy.c:277
405308:      43 00 00 00      addiu $6,$6,-1
40530c:      ff ff 06 06
../sysdeps/generic/wordcopy.c:286
405310:      28 00 00 00      lw $2,28($5)
405314:      1c 00 02 05
../sysdeps/generic/wordcopy.c:287
405318:      34 00 00 00      sw $3,28($4)
40531c:      1c 00 03 04
../sysdeps/generic/wordcopy.c:289
405320:      28 00 00 00      lw $3,24($5)
405324:      18 00 03 05
../sysdeps/generic/wordcopy.c:290
405328:      34 00 00 00      sw $2,24($4)
40532c:      18 00 02 04
../sysdeps/generic/wordcopy.c:292
405330:      28 00 00 00      lw $2,20($5)
405334:      14 00 02 05
../sysdeps/generic/wordcopy.c:293
405338:      34 00 00 00      sw $3,20($4)
40533c:      14 00 03 04
../sysdeps/generic/wordcopy.c:295
405340:      28 00 00 00      lw $3,16($5)
405344:      10 00 03 05
../sysdeps/generic/wordcopy.c:296
405348:      34 00 00 00      sw $2,16($4)
40534c:      10 00 02 04
```

```
../sysdeps/generic/wordcopy.c:298
405350:      28 00 00 00      lw $2,12($5)
405354:      0c 00 02 05
../sysdeps/generic/wordcopy.c:299
405358:      34 00 00 00      sw $3,12($4)
40535c:      0c 00 03 04
../sysdeps/generic/wordcopy.c:301
405360:      28 00 00 00      lw $3,8($5)
405364:      08 00 03 05
../sysdeps/generic/wordcopy.c:302
405368:      34 00 00 00      sw $2,8($4)
40536c:      08 00 02 04
../sysdeps/generic/wordcopy.c:304
405370:      28 00 00 00      lw $2,4($5)
405374:      04 00 02 05
../sysdeps/generic/wordcopy.c:305
405378:      34 00 00 00      sw $3,4($4)
40537c:      04 00 03 04
../sysdeps/generic/wordcopy.c:307
405380:      28 00 00 00      lw $3,0($5)
405384:      00 00 03 05
../sysdeps/generic/wordcopy.c:312
405388:      43 00 00 00      addiu $6,$6,-8
40538c:      f8 ff 06 06
../sysdeps/generic/wordcopy.c:310
405390:      43 00 00 00      addiu $5,$5,-32
405394:      e0 ff 05 05
../sysdeps/generic/wordcopy.c:308
405398:      34 00 00 00      sw $2,0($4)
40539c:      00 00 02 04
../sysdeps/generic/wordcopy.c:311
4053a0:      43 00 00 00      addiu $4,$4,-32
4053a4:      e0 ff 04 04
../sysdeps/generic/wordcopy.c:314
4053a8:      06 00 00 00      bne $6,$0,405310 <_wordcopy_bwd_aligned+0x170>
4053ac:      d8 ff 00 06
../sysdeps/generic/wordcopy.c:319
4053b0:      34 00 00 00      sw $3,28($4)
4053b4:      1c 00 03 04
../sysdeps/generic/wordcopy.c:320
4053b8:      03 00 00 00      jr $31
4053bc:      00 00 00 1f

004053c0 <_wordcopy_bwd_dest_aligned>:
_wordcopy_bwd_dest_aligned():
../sysdeps/generic/wordcopy.c:337
4053c0:      4f 00 00 00      andi $3,$5,3
4053c4:      03 00 03 05
../sysdeps/generic/wordcopy.c:342
4053c8:      43 00 00 00      addiu $2,$0,-4
4053cc:      fc ff 02 00
4053d0:      4e 00 00 00      and $5,$5,$2
4053d4:      00 05 02 05
../sysdeps/generic/wordcopy.c:343
4053d8:      43 00 00 00      addiu $5,$5,4
4053dc:      04 00 05 05
../sysdeps/generic/wordcopy.c:337
4053e0:      55 00 00 00      sll $11,$3,0x3
4053e4:      03 0b 03 00
../sysdeps/generic/wordcopy.c:338
4053e8:      43 00 00 00      addiu $2,$0,32
4053ec:      20 00 02 00
4053f0:      45 00 00 00      subu $12,$2,$11
```

```
4053f4: 00 0c 0b 02
../sysdeps/generic/wordcopy.c:345
4053f8: 4f 00 00 00      andi $3,$6,3
4053fc: 03 00 03 06
405400: 43 00 00 00      addiu $2,$0,1
405404: 01 00 02 00
405408: 05 00 00 00      beq $3,$2,4054c8 <_wordcopy_bwd_dest_aligned+0x108>
40540c: 2e 00 02 03
405410: 05 00 00 00      beq $3,$0,4054a0 <_wordcopy_bwd_dest_aligned+0xe0>
405414: 22 00 00 03
405418: 43 00 00 00      addiu $2,$0,2
40541c: 02 00 02 00
405420: 05 00 00 00      beq $3,$2,405440 <_wordcopy_bwd_dest_aligned+0x80>
405424: 06 00 02 03
405428: 43 00 00 00      addiu $2,$0,3
40542c: 03 00 02 00
405430: 05 00 00 00      beq $3,$2,405470 <_wordcopy_bwd_dest_aligned+0xb0>
405434: 0e 00 02 03
405438: 01 00 00 00      j 4054f0 <_wordcopy_bwd_dest_aligned+0x130>
40543c: 3c 15 10 00
../sysdeps/generic/wordcopy.c:348
405440: 43 00 00 00      addiu $5,$5,-12
405444: f4 ff 05 05
../sysdeps/generic/wordcopy.c:350
405448: 28 00 00 00      lw $8,8($5)
40544c: 08 00 08 05
../sysdeps/generic/wordcopy.c:351
405450: 28 00 00 00      lw $10,4($5)
405454: 04 00 0a 05
../sysdeps/generic/wordcopy.c:349
405458: 43 00 00 00      addiu $4,$4,-4
40545c: fc ff 04 04
../sysdeps/generic/wordcopy.c:352
405460: 43 00 00 00      addiu $6,$6,2
405464: 02 00 06 06
../sysdeps/generic/wordcopy.c:353
405468: 01 00 00 00      j 405568 <_wordcopy_bwd_dest_aligned+0x1a8>
40546c: 5a 15 10 00
../sysdeps/generic/wordcopy.c:355
405470: 43 00 00 00      addiu $5,$5,-16
405474: f0 ff 05 05
../sysdeps/generic/wordcopy.c:357
405478: 28 00 00 00      lw $7,12($5)
40547c: 0c 00 07 05
../sysdeps/generic/wordcopy.c:358
405480: 28 00 00 00      lw $8,8($5)
405484: 08 00 08 05
../sysdeps/generic/wordcopy.c:356
405488: 43 00 00 00      addiu $4,$4,-8
40548c: f8 ff 04 04
../sysdeps/generic/wordcopy.c:359
405490: 43 00 00 00      addiu $6,$6,1
405494: 01 00 06 06
../sysdeps/generic/wordcopy.c:360
405498: 01 00 00 00      j 405540 <_wordcopy_bwd_dest_aligned+0x180>
40549c: 50 15 10 00
../sysdeps/generic/wordcopy.c:364
4054a0: 43 00 00 00      addiu $5,$5,-20
4054a4: ec ff 05 05
../sysdeps/generic/wordcopy.c:366
4054a8: 28 00 00 00      lw $9,16($5)
4054ac: 10 00 09 05
../sysdeps/generic/wordcopy.c:367
```

```
4054b0:      28 00 00 00      lw $7,12($5)
4054b4:      0c 00 07 05
../sysdeps/generic/wordcopy.c:365
4054b8:      43 00 00 00      addiu $4,$4,-12
4054bc:      f4 ff 04 04
../sysdeps/generic/wordcopy.c:368
4054c0:      01 00 00 00      j 405518 <_wordcopy_bwd_dest_aligned+0x158>
4054c4:      46 15 10 00
../sysdeps/generic/wordcopy.c:370
4054c8:      43 00 00 00      addiu $5,$5,-24
4054cc:      e8 ff 05 05
../sysdeps/generic/wordcopy.c:371
4054d0:      43 00 00 00      addiu $4,$4,-16
4054d4:      f0 ff 04 04
../sysdeps/generic/wordcopy.c:372
4054d8:      28 00 00 00      lw $10,20($5)
4054dc:      14 00 0a 05
../sysdeps/generic/wordcopy.c:373
4054e0:      28 00 00 00      lw $9,16($5)
4054e4:      10 00 09 05
../sysdeps/generic/wordcopy.c:374
4054e8:      43 00 00 00      addiu $6,$6,-1
4054ec:      ff ff 06 06
../sysdeps/generic/wordcopy.c:383
4054f0:      28 00 00 00      lw $7,12($5)
4054f4:      0c 00 07 05
../sysdeps/generic/wordcopy.c:384
4054f8:      58 00 00 00      srlv $2,$9,$11
4054fc:      00 02 09 0b
405500:      56 00 00 00      sllv $3,$10,$12
405504:      00 03 0a 0c
405508:      50 00 00 00      or $2,$2,$3
40550c:      00 02 03 02
405510:      34 00 00 00      sw $2,12($4)
405514:      0c 00 02 04
../sysdeps/generic/wordcopy.c:386
405518:      28 00 00 00      lw $8,8($5)
40551c:      08 00 08 05
../sysdeps/generic/wordcopy.c:387
405520:      58 00 00 00      srlv $2,$7,$11
405524:      00 02 07 0b
405528:      56 00 00 00      sllv $3,$9,$12
40552c:      00 03 09 0c
405530:      50 00 00 00      or $2,$2,$3
405534:      00 02 03 02
405538:      34 00 00 00      sw $2,8($4)
40553c:      08 00 02 04
../sysdeps/generic/wordcopy.c:389
405540:      28 00 00 00      lw $10,4($5)
405544:      04 00 0a 05
../sysdeps/generic/wordcopy.c:390
405548:      58 00 00 00      srlv $2,$8,$11
40554c:      00 02 08 0b
405550:      56 00 00 00      sllv $3,$7,$12
405554:      00 03 07 0c
405558:      50 00 00 00      or $2,$2,$3
40555c:      00 02 03 02
405560:      34 00 00 00      sw $2,4($4)
405564:      04 00 02 04
../sysdeps/generic/wordcopy.c:392
405568:      28 00 00 00      lw $9,0($5)
40556c:      00 00 09 05
../sysdeps/generic/wordcopy.c:397
```

```

405570:      43 00 00 00      addiu $6,$6,-4
405574:      fc ff 06 06
../sysdeps/generic/wordcopy.c:393
405578:      58 00 00 00      srlv $2,$10,$11
40557c:      00 02 0a 0b
405580:      56 00 00 00      sllv $3,$8,$12
405584:      00 03 08 0c
405588:      50 00 00 00      or $2,$2,$3
40558c:      00 02 03 02
../sysdeps/generic/wordcopy.c:395
405590:      43 00 00 00      addiu $5,$5,-16
405594:      f0 ff 05 05
../sysdeps/generic/wordcopy.c:393
405598:      34 00 00 00      sw $2,0($4)
40559c:      00 00 02 04
../sysdeps/generic/wordcopy.c:396
4055a0:      43 00 00 00      addiu $4,$4,-16
4055a4:      f0 ff 04 04
../sysdeps/generic/wordcopy.c:399
4055a8:      06 00 00 00      bne $6,$0,4054f0 <_wordcopy_bwd_dest_aligned+0x130>
4055ac:      d0 ff 00 06
../sysdeps/generic/wordcopy.c:404
4055b0:      58 00 00 00      srlv $2,$9,$11
4055b4:      00 02 09 0b
4055b8:      56 00 00 00      sllv $3,$10,$12
4055bc:      00 03 0a 0c
4055c0:      50 00 00 00      or $2,$2,$3
4055c4:      00 02 03 02
4055c8:      34 00 00 00      sw $2,12($4)
4055cc:      0c 00 02 04
../sysdeps/generic/wordcopy.c:405
4055d0:      03 00 00 00      jr $31
4055d4:      00 00 00 1f
...

```

004055e0 <__stdio_init_stream>:

__stdio_init_stream():

```

../sysdeps/posix/stdio_init.c:31
4055e0:      43 00 00 00      addiu $29,$29,-96
4055e4:      a0 ff 1d 1d
4055e8:      34 00 00 00      sw $16,80($29)
4055ec:      50 00 10 1d
4055f0:      42 00 00 00      addu $16,$0,$4
4055f4:      00 10 04 00
4055f8:      34 00 00 00      sw $31,88($29)
4055fc:      58 00 1f 1d
405600:      34 00 00 00      sw $17,84($29)
405604:      54 00 11 1d
../sysdeps/posix/stdio_init.c:35
405608:      28 00 00 00      lw $2,16($16)
40560c:      10 00 02 10
../sysdeps/posix/stdio_init.c:32
405610:      28 00 00 00      lw $17,24($16)
405614:      18 00 11 10
../sysdeps/posix/stdio_init.c:35
405618:      06 00 00 00      bne $2,$0,4056f0 <__stdio_init_stream+0x110>
40561c:      34 00 00 02
405620:      28 00 00 00      lw $2,76($16)
405624:      4c 00 02 10
405628:      4f 00 00 00      andi $2,$2,2048
40562c:      00 08 02 02
405630:      06 00 00 00      bne $2,$0,4056f0 <__stdio_init_stream+0x110>
405634:      2e 00 00 02

```

```
../sysdeps/posix/stdio_init.c:40
405638:    42 00 00 00    addu $4,$0,$17
40563c:    00 04 11 00
405640:    43 00 00 00    addiu $5,$29,16
405644:    10 00 05 1d
405648:    02 00 00 00    jal 405910 <__fstat>
40564c:    44 16 10 00
405650:    09 00 00 00    bltz $2,4056f0 <__stdio_init_stream+0x110>
405654:    26 00 00 02
../sysdeps/posix/stdio_init.c:43
405658:    26 00 00 00    lhu $2,24($29)
40565c:    18 00 02 1d
405660:    4f 00 00 00    andi $3,$2,61440
405664:    00 f0 03 02
405668:    43 00 00 00    addiu $2,$0,4096
40566c:    00 10 02 00
405670:    06 00 00 00    bne $3,$2,405698 <__stdio_init_stream+0xb8>
405674:    08 00 02 03
../sysdeps/posix/stdio_init.c:46
405678:    28 00 00 00    lw $2,76($16)
40567c:    4c 00 02 10
405680:    51 00 00 00    ori $2,$2,2048
405684:    00 08 02 02
405688:    34 00 00 00    sw $2,76($16)
40568c:    4c 00 02 10
../sysdeps/posix/stdio_init.c:47
405690:    01 00 00 00    j 4056f0 <__stdio_init_stream+0x110>
405694:    bc 15 10 00
../sysdeps/posix/stdio_init.c:50
405698:    43 00 00 00    addiu $2,$0,8192
40569c:    00 20 02 00
4056a0:    06 00 00 00    bne $3,$2,4056e0 <__stdio_init_stream+0x100>
4056a4:    0e 00 02 03
../sysdeps/posix/stdio_init.c:54
4056a8:    42 00 00 00    addu $4,$0,$17
4056ac:    00 04 11 00
4056b0:    02 00 00 00    jal 405940 <__isatty>
4056b4:    50 16 10 00
4056b8:    05 00 00 00    beq $2,$0,4056e0 <__stdio_init_stream+0x100>
4056bc:    08 00 00 02
../sysdeps/posix/stdio_init.c:56
4056c0:    28 00 00 00    lw $2,76($16)
4056c4:    4c 00 02 10
../sysdeps/posix/stdio_init.c:68
4056c8:    34 00 00 00    sw $0,40($16)
4056cc:    28 00 00 10
../sysdeps/posix/stdio_init.c:56
4056d0:    51 00 00 00    ori $2,$2,4096
4056d4:    00 10 02 02
4056d8:    34 00 00 00    sw $2,76($16)
4056dc:    4c 00 02 10
../sysdeps/posix/stdio_init.c:75
4056e0:    28 00 00 00    lw $2,64($29)
4056e4:    40 00 02 1d
4056e8:    34 00 00 00    sw $2,20($16)
4056ec:    14 00 02 10
../sysdeps/posix/stdio_init.c:77
4056f0:    28 00 00 00    lw $31,88($29)
4056f4:    58 00 1f 1d
4056f8:    28 00 00 00    lw $17,84($29)
4056fc:    54 00 11 1d
405700:    28 00 00 00    lw $16,80($29)
405704:    50 00 10 1d
```



```
405708:      43 00 00 00      addiu $29,$29,96
40570c:      60 00 1d 1d
405710:      03 00 00 00      jr $31
405714:      00 00 00 1f
...
405720:      01 00 00 00      j 401cb0 <syscall_error>
405724:      2c 07 10 00
...

00405730 <__read>:
405730:      43 00 00 00      addiu $2,$0,3
405734:      03 00 02 00
405738:      a0 00 00 00      syscall
40573c:      00 00 00 00
405740:      06 00 00 00      bne $7,$0,405720 <__stdio_init_stream+0x140>
405744:      f6 ff 00 07
...
405750:      03 00 00 00      jr $31
405754:      00 00 00 1f
...
405760:      01 00 00 00      j 401cb0 <syscall_error>
405764:      2c 07 10 00
...

00405770 <__write>:
405770:      43 00 00 00      addiu $2,$0,4
405774:      04 00 02 00
405778:      a0 00 00 00      syscall
40577c:      00 00 00 00
405780:      06 00 00 00      bne $7,$0,405760 <__read+0x30>
405784:      f6 ff 00 07
...
405790:      03 00 00 00      jr $31
405794:      00 00 00 1f
...
4057a0:      01 00 00 00      j 401cb0 <syscall_error>
4057a4:      2c 07 10 00
...

004057b0 <__lseek>:
4057b0:      43 00 00 00      addiu $2,$0,19
4057b4:      13 00 02 00
4057b8:      a0 00 00 00      syscall
4057bc:      00 00 00 00
4057c0:      06 00 00 00      bne $7,$0,4057a0 <__write+0x30>
4057c4:      f6 ff 00 07
...
4057d0:      03 00 00 00      jr $31
4057d4:      00 00 00 1f
...
4057e0:      01 00 00 00      j 401cb0 <syscall_error>
4057e4:      2c 07 10 00
...

004057f0 <__close>:
4057f0:      43 00 00 00      addiu $2,$0,6
4057f4:      06 00 02 00
4057f8:      a0 00 00 00      syscall
4057fc:      00 00 00 00
405800:      06 00 00 00      bne $7,$0,4057e0 <__lseek+0x30>
405804:      f6 ff 00 07
...
405810:      03 00 00 00      jr $31
```

```
405814:      00 00 00 1f
...
405820:      01 00 00 00      j 401cb0 <syscall_error>
405824:      2c 07 10 00
...

00405830 <__open>:
405830:      43 00 00 00      addiu $2,$0,5
405834:      05 00 02 00
405838:      a0 00 00 00      syscall
40583c:      00 00 00 00
405840:      06 00 00 00      bne $7,$0,405820 <__close+0x30>
405844:      f6 ff 00 07
...
405850:      03 00 00 00      jr $31
405854:      00 00 00 1f
...
405860:      01 00 00 00      j 401cb0 <syscall_error>
405864:      2c 07 10 00
...

00405870 <__dup2>:
405870:      43 00 00 00      addiu $2,$0,90
405874:      5a 00 02 00
405878:      a0 00 00 00      syscall
40587c:      00 00 00 00
405880:      06 00 00 00      bne $7,$0,405860 <__open+0x30>
405884:      f6 ff 00 07
...
405890:      03 00 00 00      jr $31
405894:      00 00 00 1f
...

004058a0 <__brk>:
4058a0:      28 00 00 00      lw $2,-32636($28)
4058a4:      84 80 02 1c
4058a8:      5d 00 00 00      sltu $1,$4,$2
4058ac:      00 01 02 04
4058b0:      05 00 00 00      beq $1,$0,4058c0 <__brk+0x20>
4058b4:      02 00 00 01
4058b8:      42 00 00 00      addu $4,$0,$2
4058bc:      00 04 02 00
4058c0:      43 00 00 00      addiu $2,$0,17
4058c4:      11 00 02 00
4058c8:      a0 00 00 00      syscall
4058cc:      00 00 00 00
4058d0:      06 00 00 00      bne $7,$0,4058f0 <__brk+0x50>
4058d4:      06 00 00 07
4058d8:      34 00 00 00      sw $4,-32640($28)
4058dc:      80 80 04 1c
4058e0:      42 00 00 00      addu $2,$0,$0
4058e4:      00 02 00 00
4058e8:      03 00 00 00      jr $31
4058ec:      00 00 00 1f
4058f0:      01 00 00 00      j 401cb0 <syscall_error>
4058f4:      2c 07 10 00
...
405900:      01 00 00 00      j 401cb0 <syscall_error>
405904:      2c 07 10 00
...

00405910 <__fstat>:
405910:      43 00 00 00      addiu $2,$0,62
```

```

405914:      3e 00 02 00
405918:      a0 00 00 00      syscall
40591c:      00 00 00 00
405920:      06 00 00 00      bne $7,$0,405900 <__brk+0x60>
405924:      f6 ff 00 07
...
405930:      03 00 00 00      jr $31
405934:      00 00 00 1f
...

```

00405940 <__isatty>:

```

__isatty():
../sysdeps/unix/bsd/__isatty.c:27
405940:      43 00 00 00      addiu $29,$29,-32
405944:      e0 ff 1d 1d
../sysdeps/unix/bsd/__isatty.c:33
405948:      a2 00 00 00      lui $5,16390
40594c:      06 40 05 00
../sysdeps/unix/bsd/__isatty.c:27
405950:      34 00 00 00      sw $16,24($29)
405954:      18 00 10 1d
../sysdeps/unix/bsd/__isatty.c:32
405958:      28 00 00 00      lw $16,-32592($28)
40595c:      b0 80 10 1c
../sysdeps/unix/bsd/__isatty.c:33
405960:      51 00 00 00      ori $5,$5,29704
405964:      08 74 05 05
405968:      43 00 00 00      addiu $6,$29,16
40596c:      10 00 06 1d
../sysdeps/unix/bsd/__isatty.c:27
405970:      34 00 00 00      sw $31,28($29)
405974:      1c 00 1f 1d
../sysdeps/unix/bsd/__isatty.c:33
405978:      02 00 00 00      jal 4059c0 <__ioctl>
40597c:      70 16 10 00
../sysdeps/unix/bsd/__isatty.c:36
405980:      5e 00 00 00      sltiu $2,$2,1
405984:      01 00 02 02
../sysdeps/unix/bsd/__isatty.c:34
405988:      34 00 00 00      sw $16,-32592($28)
40598c:      b0 80 10 1c
../sysdeps/unix/bsd/__isatty.c:37
405990:      28 00 00 00      lw $31,28($29)
405994:      1c 00 1f 1d
405998:      28 00 00 00      lw $16,24($29)
40599c:      18 00 10 1d
4059a0:      43 00 00 00      addiu $29,$29,32
4059a4:      20 00 1d 1d
4059a8:      03 00 00 00      jr $31
4059ac:      00 00 00 1f
4059b0:      01 00 00 00      j 401cb0 <syscall_error>
4059b4:      2c 07 10 00
...

```

004059c0 <__ioctl>:

```

4059c0:      43 00 00 00      addiu $2,$0,54
4059c4:      36 00 02 00
4059c8:      a0 00 00 00      syscall
4059cc:      00 00 00 00
4059d0:      06 00 00 00      bne $7,$0,4059b0 <__isatty+0x70>
4059d4:      f6 ff 00 07
...
4059e0:      03 00 00 00      jr $31

```

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4059e4: 00 00 00 1f

...