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COMP-5970: Binary Program Analysis
Project 1 - Report & Documentation

Project Breakdown

main.py - This file primarily handles the CLI component of the project. I was originally planning to have it install using PIP, but I had to leave it as a very simple implementation using argparse. The CLI allows for users to get all possible sections that the program offers and individual components.

elf.py - Initializes an ELF object with different sub-classes (ELF header, program headers, section headers, and both symbol tables).

elfHeader.py - Initializes an object with all of the information that would be required to print out the header.

programHeader.py - Initializes an object with all of the information that would be required to print out the program header. Additionally creates an object for each entry in the program header with its own attributes.

sectionHeader.py - Initializes an object with all of the information that would be required to print out the program header. Additionally creates an object for each entry in the section header with its own attributes including important information that is needed to access the symbol tables.

symbolTable.py - Initializes an object with the location of a symbol table and the corresponding string index table. It then creates entries from the given information. It can then return that information to the terminal in a proper format. **lookupDictionary.py** - Used to match values to string representation.

Goals

My goals were to include as much implementation of readelf that I could just using documentation. I was able to get most of the important parts as mentioned above. Overall I am pretty happy with what I was able to accomplish even if the scope of the project was not as big as I would have liked.

Limitations

There are some issues with my current implementation. First, the CLI is very primitive and not very usable in its current state. Second, the actual program has no functionality outside of just printing the files. Third, the data is stored in a sub optimal way which is hard to reuse for future work. Finally, I am missing critical components such as the dynamic section.

Note: You have to manually compare results against readelf. Ideally this would be automated and give a percentage of correct results.

Sources

Primary sources I used for understanding
`https://docs.python.org/3/library/struct.html`

Used to visually compare structure as I am making a clone. But I found that they did not deviate much from what is actually being stored.
`https://man7.org/linux/man-pages/man1/readelf.1.html`

Used to understand the structure of an ELF file and the size of the different sections and objects.

```
https://refspecs.linuxbase.org/elf/gabi4+/
https://wiki.osdev.org/ELF_Tutorial
https://en.wikipedia.org/wiki/Executable_and_Linkable_Format
https://man7.org/linux/man-pages/man5/elf.5.html
https://codebrowser.dev/glibc/glibc/elf/elf.h.html
```

Binaries to test against
`https://github.com/JonathanSalwan/binary-samples/blob/master/`
This source helped me figure out what elfs actually define for all the dictionaries/definitions

Usage

Navigate to the directory containing main.py

```
usage: python main.py <options> "full path to elf file"
    -a --all            Display all information
    -H --header         Display the ELF file header
    -S --section        Display the section headers
    -l --program        Displays the program headers
    -s --symbol         Displays the symbol table
    -d --dynamicsymbol  Display the dynamic symbol table
```

Sample

```
python main.py -a .\examples\elf-gcc-x32
```

Displaying the ELF header
```
    Magic:                              7f 45 4c 46 01 01 01 00 00 00 00 00 00 00 00 00
    Class:                              32-Bit architecture
    Data:                               Two's complement, little-endian
    Version:                            1
    OS/ABI:                             UNIX System V
    ABI Version:                        0
    Type:                               Shared object file
    Machine:                            Intel 80386
    Entry Point:                        0x4900
    Entry Point For Program Headers:    52
    Entry Point For Section Headers:    152364
    Flags:                              0x0
    Size Of Header:                     52
    Size of Program Headers:            32
    Number Of Program Headers:          05
    Size Of Section Headers:            40
    Number of Section Headers:          26
    Section Header String Table Index:  23
```

Displaying the program headers

Type	Offset	VirtAddr	PhysAddr	FileSiz	memSiz	Flg	Align
PHDR	0x000034	0x000034	0x000034	0x0000a0	0x0000a0	R E	0x4
INTERP	0x02095c	0x02095c	0x02095c	0x000017	0x000017	R	0x1
LOAD	0x000000	0x000000	0x000000	0x020973	0x020973	R E	0x1000
LOAD	0x020974	0x021974	0x021974	0x003fec	0x004b6c	R W	0x1000
DYNAMIC	0x023fb8	0x024fb8	0x024fb8	0x0000c8	0x0000c8	R W	0x4

Displaying the section headers

[Nr]	Name	Type	Addr	Off	Size	ES	Flag	Lk	Inf	Al
[0]	NULL	NULL	000000	000000	000000	00		0	0	0
[1]	.hash	HASH	0000d4	0000d4	0008d4	04	A	2	0	4
[2]	.dynsym	DYNSYM	0009a8	0009a8	0012c0	10	A	3	11	4
[3]	.dynstr	STRTAB	001c68	001c68	000d1c	00	A	0	0	1
[4]	.gnu.version	HIOS	002984	002984	000258	02	A	2	0	2
[5]	.gnu.version_r	GNU_verneed	002bdc	002bdc	000030	00	A	3	1	4
[6]	.rel.dyn	REL	002c0c	002c0c	0011b8	08	A	2	0	4
[7]	.rel.plt	REL	003dc4	003dc4	000368	08	A	2	9	4
[8]	.init	PROGBITS	00412c	00412c	00001e	00	AX	0	0	1
[9]	.plt	PROGBITS	00414c	00414c	0006e0	04	AX	0	0	4
[10]	.text	PROGBITS	00482c	00482c	0175f4	00	AX	0	0	4
[11]	.fini	PROGBITS	01be20	01be20	000019	00	AX	0	0	1
[12]	.rodata	PROGBITS	01be40	01be40	004b1c	00	A	0	0	32
[13]	.interp	PROGBITS	02095c	02095c	000017	00	A	0	0	1
[14]	.eh_frame	PROGBITS	021974	020974	003634	00	WA	0	0	4
[15]	.ctors	PROGBITS	024fa8	023fa8	000008	00	WA	0	0	4
[16]	.dtors	PROGBITS	024fb0	023fb0	000008	00	WA	0	0	4
[17]	.dynamic	DYNAMIC	024fb8	023fb8	0000c8	08	WA	3	0	4
[18]	.got	PROGBITS	025080	024080	00023c	04	WA	0	0	4
[19]	.data	PROGBITS	0252c0	0242c0	0006a0	00	WA	0	0	32
[20]	.bss	NOBITS	025960	024960	000b80	00	WA	0	0	32
[21]	.comment	PROGBITS	000000	024960	0008dc	00		0	0	1
[22]	.gnu_debuglink	PROGBITS	000000	02523c	000024	00		0	0	1
[23]	.shstrtab	STRTAB	000000	025260	0000ca	00		0	0	1
[24]	.symtab	SYMTAB	000000	02573c	002c20	10		25	417	4
[25]	.strtab	STRTAB	000000	02835c	0022c8	00		0	0	1

Displaying the symbol table

Num:	Value	Size	Type	Bind	Vis	Ndx	Name
0	000000	0	NOTYPE	LOCAL	DEFAULT	0	NULL
1	0252c0	0	OBJECT	LOCAL	DEFAULT	19	p.3

2	024fb0	0	OBJECT	LOCAL	DEFAULT	16	__DTOR_LIST__
3	0252c4	0	OBJECT	LOCAL	DEFAULT	19	completed.4
4	00482c	0	FUNC	LOCAL	DEFAULT	10	__do_global_dtors_aux
5	021974	0	OBJECT	LOCAL	DEFAULT	14	__EH_FRAME_BEGIN__
6	004894	0	FUNC	LOCAL	DEFAULT	10	fini_dummy
7	025960	24	OBJECT	LOCAL	DEFAULT	20	object.11
8	0048ac	0	FUNC	LOCAL	DEFAULT	10	frame_dummy
9	0048e8	0	FUNC	LOCAL	DEFAULT	10	init_dummy
10	0252c8	0	OBJECT	LOCAL	DEFAULT	19	force_to_data
11	024fa8	0	OBJECT	LOCAL	DEFAULT	15	__CTOR_LIST__
12	01bdd0	0	FUNC	LOCAL	DEFAULT	10	__do_global_ctors_aux
13	024fac	0	OBJECT	LOCAL	DEFAULT	15	__CTOR_END__
14	01be08	0	FUNC	LOCAL	DEFAULT	10	init_dummy
15	025960	0	OBJECT	LOCAL	DEFAULT	19	force_to_data
16	024fb4	0	OBJECT	LOCAL	DEFAULT	16	__DTOR_END__
17	024fa4	0	OBJECT	LOCAL	DEFAULT	14	__FRAME_END__
18	01c2a7	4607	OBJECT	LOCAL	DEFAULT	12	G_line
19	01d4a6	11	OBJECT	LOCAL	DEFAULT	12	filetype_letter
20	02530c	2	OBJECT	LOCAL	DEFAULT	19	UNKNOWN_SECURITY_CONTEXT
21	025310	20	OBJECT	LOCAL	DEFAULT	19	time_style_args
22	01d4d0	16	OBJECT	LOCAL	DEFAULT	12	time_style_types
23	025324	4	OBJECT	LOCAL	DEFAULT	19	print_owner
24	025328	4	OBJECT	LOCAL	DEFAULT	19	print_group
25	02532c	8	OBJECT	LOCAL	DEFAULT	19	file_output_block_size
26	025334	20	OBJECT	LOCAL	DEFAULT	19	indicator_style_args
27	01d500	16	OBJECT	LOCAL	DEFAULT	12	indicator_style_types
28	025348	4	OBJECT	LOCAL	DEFAULT	19	used_color
29	02534c	100	OBJECT	LOCAL	DEFAULT	19	indicator_name
30	0253b0	192	OBJECT	LOCAL	DEFAULT	19	color_indicator
31	025470	4	OBJECT	LOCAL	DEFAULT	19	color_ext_list
32	025474	8	OBJECT	LOCAL	DEFAULT	19	long_time_format
33	02547c	688	OBJECT	LOCAL	DEFAULT	19	long_options
34	02572c	32	OBJECT	LOCAL	DEFAULT	19	format_args
35	01d7b8	28	OBJECT	LOCAL	DEFAULT	12	format_types
36	02574c	24	OBJECT	LOCAL	DEFAULT	19	sort_args
37	01d7e0	20	OBJECT	LOCAL	DEFAULT	12	sort_types
38	025764	24	OBJECT	LOCAL	DEFAULT	19	time_args
39	01d814	20	OBJECT	LOCAL	DEFAULT	12	time_types
40	02577c	40	OBJECT	LOCAL	DEFAULT	19	color_args
41	01d850	36	OBJECT	LOCAL	DEFAULT	12	color_types
42	004a74	96	FUNC	LOCAL	DEFAULT	10	dev_ino_push
43	025b20	44	OBJECT	LOCAL	DEFAULT	20	dev_ino_obstack
44	004ad4	112	FUNC	LOCAL	DEFAULT	10	dev_ino_pop
45	004b44	170	FUNC	LOCAL	DEFAULT	10	dired_dump_obstack
46	004bf0	194	FUNC	LOCAL	DEFAULT	10	abmon_init
47	0262ec	4	OBJECT	LOCAL	DEFAULT	20	required_mon_width
48	025b60	1932	OBJECT	LOCAL	DEFAULT	20	abmon
49	004cb4	48	FUNC	LOCAL	DEFAULT	10	dev_ino_hash
50	004ce4	50	FUNC	LOCAL	DEFAULT	10	dev_ino_compare
51	004d18	38	FUNC	LOCAL	DEFAULT	10	dev_ino_free
52	004d40	116	FUNC	LOCAL	DEFAULT	10	visit_dir
53	025990	4	OBJECT	LOCAL	DEFAULT	20	active_dir_set
54	004db4	67	FUNC	LOCAL	DEFAULT	10	free_pending_ent
55	004df8	128	FUNC	LOCAL	DEFAULT	10	is_colored
56	004e78	56	FUNC	LOCAL	DEFAULT	10	restore_default_color
57	00c0cc	79	FUNC	LOCAL	DEFAULT	10	put_indicator
58	004eb0	100	FUNC	LOCAL	DEFAULT	10	set_normal_color
59	025a1c	4	OBJECT	LOCAL	DEFAULT	20	print_with_color
60	004f14	40	FUNC	LOCAL	DEFAULT	10	sighandler
61	025a70	4	OBJECT	LOCAL	DEFAULT	20	interrupt_signal
62	004f3c	44	FUNC	LOCAL	DEFAULT	10	stophandler
63	025a74	4	OBJECT	LOCAL	DEFAULT	20	stop_signal_count
64	004f68	197	FUNC	LOCAL	DEFAULT	10	process_signals
65	025a68	8	OBJECT	LOCAL	DEFAULT	20	caught_signals
66	01d8e0	0	OBJECT	LOCAL	DEFAULT	12	sig.252

67	025a78	4	OBJECT	LOCAL	DEFAULT	20	exit_status
68	025a58	4	OBJECT	LOCAL	DEFAULT	20	print_dir_name
69	0259ac	4	OBJECT	LOCAL	DEFAULT	20	pending_dirs
70	0259b0	8	OBJECT	LOCAL	DEFAULT	20	current_time
71	005730	4715	FUNC	LOCAL	DEFAULT	10	decode_switches
72	006f64	820	FUNC	LOCAL	DEFAULT	10	parse_ls_color
73	025a2c	4	OBJECT	LOCAL	DEFAULT	20	dereference
74	025a60	4	OBJECT	LOCAL	DEFAULT	20	format_needs_stat
75	025a64	4	OBJECT	LOCAL	DEFAULT	20	format_needs_type
76	0259a8	4	OBJECT	LOCAL	DEFAULT	20	color_symlink_as_referent
77	0259e8	4	OBJECT	LOCAL	DEFAULT	20	format
78	025a24	4	OBJECT	LOCAL	DEFAULT	20	check_symlink_color
79	025a34	4	OBJECT	LOCAL	DEFAULT	20	immediate_dirs
80	025a18	4	OBJECT	LOCAL	DEFAULT	20	indicator_style
81	025a30	4	OBJECT	LOCAL	DEFAULT	20	recursive
82	0259f0	4	OBJECT	LOCAL	DEFAULT	20	sort_type
83	0259b8	4	OBJECT	LOCAL	DEFAULT	20	print_scontext
84	025a00	4	OBJECT	LOCAL	DEFAULT	20	print_block_size
85	025a38	4	OBJECT	LOCAL	DEFAULT	20	directories_first
86	025a14	4	OBJECT	LOCAL	DEFAULT	20	dired
87	025aa0	44	OBJECT	LOCAL	DEFAULT	20	dired_obstack
88	025ae0	44	OBJECT	LOCAL	DEFAULT	20	subdired_obstack
89	025998	4	OBJECT	LOCAL	DEFAULT	20	cwd_n_alloc
90	025994	4	OBJECT	LOCAL	DEFAULT	20	cwd_file
91	02599c	4	OBJECT	LOCAL	DEFAULT	20	cwd_n_used
92	007af0	191	FUNC	LOCAL	DEFAULT	10	clear_files
93	007d4c	2945	FUNC	LOCAL	DEFAULT	10	gobble_file
94	0073a4	129	FUNC	LOCAL	DEFAULT	10	queue_directory
95	00a718	313	FUNC	LOCAL	DEFAULT	10	sort_files
96	008a6c	320	FUNC	LOCAL	DEFAULT	10	extract_dirs_from_files
97	00a854	229	FUNC	LOCAL	DEFAULT	10	print_current_files
98	025a84	4	OBJECT	LOCAL	DEFAULT	20	dired_pos
99	007428	1351	FUNC	LOCAL	DEFAULT	10	print_dir
100	025a4c	4	OBJECT	LOCAL	DEFAULT	20	filename_quoting_options
101	01db47	7	OBJECT	LOCAL	DEFAULT	12	posix_prefix.256
102	025a48	4	OBJECT	LOCAL	DEFAULT	20	qmark_funny_chars
103	0259ec	4	OBJECT	LOCAL	DEFAULT	20	time_type
104	0259f4	4	OBJECT	LOCAL	DEFAULT	20	sort_reverse
105	0259fc	4	OBJECT	LOCAL	DEFAULT	20	numeric_ids
106	025a28	4	OBJECT	LOCAL	DEFAULT	20	print_inode
107	025a3c	4	OBJECT	LOCAL	DEFAULT	20	ignore_mode
108	025a40	4	OBJECT	LOCAL	DEFAULT	20	ignore_patterns
109	025a44	4	OBJECT	LOCAL	DEFAULT	20	hide_patterns
110	007298	128	FUNC	LOCAL	DEFAULT	10	getenv_quoting_style
111	025a5c	4	OBJECT	LOCAL	DEFAULT	20	line_length
112	025a54	4	OBJECT	LOCAL	DEFAULT	20	tabsize
113	025a08	8	OBJECT	LOCAL	DEFAULT	20	output_block_size
114	025a04	4	OBJECT	LOCAL	DEFAULT	20	human_output_opts
115	025a10	4	OBJECT	LOCAL	DEFAULT	20	file_human_output_opts
116	007970	61	FUNC	LOCAL	DEFAULT	10	add_ignore_pattern
117	0259f8	4	OBJECT	LOCAL	DEFAULT	20	print_author
118	025a80	4	OBJECT	LOCAL	DEFAULT	20	max_idx
119	025a50	4	OBJECT	LOCAL	DEFAULT	20	dirname_quoting_options
120	00699c	1251	FUNC	LOCAL	DEFAULT	10	get_funky_string
121	006e80	228	FUNC	LOCAL	DEFAULT	10	known_term_type
122	025a20	4	OBJECT	LOCAL	DEFAULT	20	color_buf
123	007318	60	FUNC	LOCAL	DEFAULT	10	set_exit_status
124	007354	78	FUNC	LOCAL	DEFAULT	10	file_failure
125	0257a4	4	OBJECT	LOCAL	DEFAULT	19	first.281
126	00b5cc	799	FUNC	LOCAL	DEFAULT	10	quote_name
127	007a00	127	FUNC	LOCAL	DEFAULT	10	file_ignored
128	0079b0	79	FUNC	LOCAL	DEFAULT	10	patterns_match
129	007a80	13	FUNC	LOCAL	DEFAULT	10	unsigned_file_size
130	007a90	37	FUNC	LOCAL	DEFAULT	10	has_capability
131	007ab8	55	FUNC	LOCAL	DEFAULT	10	free_ent

132	0259a0	4	OBJECT	LOCAL	DEFAULT	20	sorted_file
133	0259bc	4	OBJECT	LOCAL	DEFAULT	20	any_has_acl
134	0259c0	4	OBJECT	LOCAL	DEFAULT	20	inode_number_width
135	0259c4	4	OBJECT	LOCAL	DEFAULT	20	block_size_width
136	0259c8	4	OBJECT	LOCAL	DEFAULT	20	nlink_width
137	0259d0	4	OBJECT	LOCAL	DEFAULT	20	owner_width
138	0259d4	4	OBJECT	LOCAL	DEFAULT	20	group_width
139	0259d8	4	OBJECT	LOCAL	DEFAULT	20	author_width
140	0259cc	4	OBJECT	LOCAL	DEFAULT	20	scontext_width
141	0259dc	4	OBJECT	LOCAL	DEFAULT	20	major_device_number_width
142	0259e0	4	OBJECT	LOCAL	DEFAULT	20	minor_device_number_width
143	0259e4	4	OBJECT	LOCAL	DEFAULT	20	file_size_width
144	007bb0	60	FUNC	LOCAL	DEFAULT	10	errno_unsupported
145	025980	4	OBJECT	LOCAL	DEFAULT	20	unsupported_device.309
146	007bec	102	FUNC	LOCAL	DEFAULT	10	getfilecon_cache
147	025984	4	OBJECT	LOCAL	DEFAULT	20	unsupported_device.313
148	007c54	129	FUNC	LOCAL	DEFAULT	10	file_has_acl_cache
149	025988	4	OBJECT	LOCAL	DEFAULT	20	unsupported_device.317
150	007cd8	114	FUNC	LOCAL	DEFAULT	10	has_capability_cache
151	00c668	80	FUNC	LOCAL	DEFAULT	10	attach
152	0088f0	80	FUNC	LOCAL	DEFAULT	10	get_link_name
153	008940	220	FUNC	LOCAL	DEFAULT	10	make_link_name
154	00ad04	67	FUNC	LOCAL	DEFAULT	10	format_user_width
155	00ad48	67	FUNC	LOCAL	DEFAULT	10	format_group_width
156	0088d0	32	FUNC	LOCAL	DEFAULT	10	is_directory
157	008a1c	77	FUNC	LOCAL	DEFAULT	10	basename_is_dot_or_dotdot
158	008bac	160	FUNC	LOCAL	DEFAULT	10	xstrcoll
159	026300	32	OBJECT	LOCAL	DEFAULT	20	failed_strcoll
160	008c4c	107	FUNC	LOCAL	DEFAULT	10	xstrcoll_ctime
161	008cb8	107	FUNC	LOCAL	DEFAULT	10	strcmp_ctime
162	008d24	107	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_ctime
163	008d90	107	FUNC	LOCAL	DEFAULT	10	rev_strcmp_ctime
164	008dfc	167	FUNC	LOCAL	DEFAULT	10	xstrcoll_df_ctime
165	008ea4	167	FUNC	LOCAL	DEFAULT	10	strcmp_df_ctime
166	008f4c	167	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_df_ctime
167	008ff4	167	FUNC	LOCAL	DEFAULT	10	rev_strcmp_df_ctime
168	00909c	107	FUNC	LOCAL	DEFAULT	10	xstrcoll_mtime
169	009108	107	FUNC	LOCAL	DEFAULT	10	strcmp_mtime
170	009174	107	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_mtime
171	0091e0	107	FUNC	LOCAL	DEFAULT	10	rev_strcmp_mtime
172	00924c	167	FUNC	LOCAL	DEFAULT	10	xstrcoll_df_mtime
173	0092f4	167	FUNC	LOCAL	DEFAULT	10	strcmp_df_mtime
174	00939c	167	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_df_mtime
175	009444	167	FUNC	LOCAL	DEFAULT	10	rev_strcmp_df_mtime
176	0094ec	107	FUNC	LOCAL	DEFAULT	10	xstrcoll_atime
177	009558	107	FUNC	LOCAL	DEFAULT	10	strcmp_atime
178	0095c4	107	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_atime
179	009630	107	FUNC	LOCAL	DEFAULT	10	rev_strcmp_atime
180	00969c	167	FUNC	LOCAL	DEFAULT	10	xstrcoll_df_atime
181	009744	167	FUNC	LOCAL	DEFAULT	10	strcmp_df_atime
182	0097ec	167	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_df_atime
183	009894	167	FUNC	LOCAL	DEFAULT	10	rev_strcmp_df_atime
184	00993c	128	FUNC	LOCAL	DEFAULT	10	xstrcoll_size
185	0099bc	128	FUNC	LOCAL	DEFAULT	10	strcmp_size
186	009a3c	128	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_size
187	009abc	128	FUNC	LOCAL	DEFAULT	10	rev_strcmp_size
188	009b3c	180	FUNC	LOCAL	DEFAULT	10	xstrcoll_df_size
189	009bf0	180	FUNC	LOCAL	DEFAULT	10	strcmp_df_size
190	009ca4	180	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_df_size
191	009d58	180	FUNC	LOCAL	DEFAULT	10	rev_strcmp_df_size
192	009e0c	49	FUNC	LOCAL	DEFAULT	10	xstrcoll_name
193	009e40	49	FUNC	LOCAL	DEFAULT	10	strcmp_name
194	009e74	49	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_name
195	009ea8	49	FUNC	LOCAL	DEFAULT	10	rev_strcmp_name
196	009edc	110	FUNC	LOCAL	DEFAULT	10	xstrcoll_df_name

197	009f4c	110	FUNC	LOCAL	DEFAULT	10	strcmp_df_name
198	009fbc	110	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_df_name
199	00a02c	110	FUNC	LOCAL	DEFAULT	10	rev_strcmp_df_name
200	00a09c	127	FUNC	LOCAL	DEFAULT	10	xstrcoll_extension
201	00a11c	127	FUNC	LOCAL	DEFAULT	10	strcmp_extension
202	00a19c	127	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_extension
203	00a21c	127	FUNC	LOCAL	DEFAULT	10	rev_strcmp_extension
204	00a29c	189	FUNC	LOCAL	DEFAULT	10	xstrcoll_df_extension
205	00a35c	189	FUNC	LOCAL	DEFAULT	10	strcmp_df_extension
206	00a41c	189	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_df_extension
207	00a4dc	189	FUNC	LOCAL	DEFAULT	10	rev_strcmp_df_extension
208	00a59c	46	FUNC	LOCAL	DEFAULT	10	xstrcoll_version
209	00a5cc	46	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_version
210	00a5fc	107	FUNC	LOCAL	DEFAULT	10	xstrcoll_df_version
211	00a668	107	FUNC	LOCAL	DEFAULT	10	rev_xstrcoll_df_version
212	0257a8	224	OBJECT	LOCAL	DEFAULT	19	sort_functions
213	00a6d4	67	FUNC	LOCAL	DEFAULT	10	initialize_ordering_vector
214	0259a4	4	OBJECT	LOCAL	DEFAULT	20	sorted_file_alloc
215	00babc	326	FUNC	LOCAL	DEFAULT	10	print_file_name_and_frills
216	00c330	238	FUNC	LOCAL	DEFAULT	10	print_many_per_line
217	00c420	265	FUNC	LOCAL	DEFAULT	10	print_horizontal
218	00c52c	184	FUNC	LOCAL	DEFAULT	10	print_with_commas
219	00adfc	1998	FUNC	LOCAL	DEFAULT	10	print_long_format
220	00a93c	289	FUNC	LOCAL	DEFAULT	10	align_nstrftime
221	025888	4	OBJECT	LOCAL	DEFAULT	19	width.531
222	00aa60	158	FUNC	LOCAL	DEFAULT	10	long_time_expected_width
223	00ab00	219	FUNC	LOCAL	DEFAULT	10	format_user_or_group
224	00abdc	83	FUNC	LOCAL	DEFAULT	10	format_user
225	00ac30	83	FUNC	LOCAL	DEFAULT	10	format_group
226	00ac84	125	FUNC	LOCAL	DEFAULT	10	format_user_or_group_width
227	00ad8c	109	FUNC	LOCAL	DEFAULT	10	format_inode
228	00b8ec	360	FUNC	LOCAL	DEFAULT	10	print_name_with_quoting
229	00bcfc	87	FUNC	LOCAL	DEFAULT	10	print_type_indicator
230	00bd54	888	FUNC	LOCAL	DEFAULT	10	print_color_indicator
231	00ba54	101	FUNC	LOCAL	DEFAULT	10	prep_non_filename_text
232	00bc04	247	FUNC	LOCAL	DEFAULT	10	get_type_indicator
233	02588c	0	OBJECT	LOCAL	DEFAULT	19	filetype_indicator.577
234	00c11c	532	FUNC	LOCAL	DEFAULT	10	length_of_file_name_and_frills
235	00c84c	374	FUNC	LOCAL	DEFAULT	10	calculate_columns
236	025a7c	4	OBJECT	LOCAL	DEFAULT	20	column_info
237	00c5e4	130	FUNC	LOCAL	DEFAULT	10	indent
238	02598c	4	OBJECT	LOCAL	DEFAULT	20	column_info_alloc.602
239	00c6b8	403	FUNC	LOCAL	DEFAULT	10	init_column_info
240	021974	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
241	022ca0	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
242	022cb4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
243	022cc8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
244	00ce48	36	FUNC	LOCAL	DEFAULT	10	__argmatch_die
245	022d10	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
246	026320	4	OBJECT	LOCAL	DEFAULT	20	file_name
247	026324	4	OBJECT	LOCAL	DEFAULT	20	ignore_EPIPE
248	022dfc	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
249	022e78	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
250	022ed4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
251	022f18	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
252	022f2c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
253	00d4ac	133	FUNC	LOCAL	DEFAULT	10	ftypelet
254	022f58	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
255	022fc8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
256	00d6e8	22	FUNC	LOCAL	DEFAULT	10	longest_relative_suffix
257	023000	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
258	00d81c	157	FUNC	LOCAL	DEFAULT	10	match_suffix
259	00d8bc	65	FUNC	LOCAL	DEFAULT	10	order
260	00d900	417	FUNC	LOCAL	DEFAULT	10	verrevcmp
261	023050	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__

262	0230e8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
263	023120	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
264	01fd40	20	OBJECT	LOCAL	DEFAULT	12	default_tuning
265	00ded4	70	FUNC	LOCAL	DEFAULT	10	safe_hasher
266	00e11c	64	FUNC	LOCAL	DEFAULT	10	is_prime
267	00e15c	75	FUNC	LOCAL	DEFAULT	10	next_prime
268	00e1d4	20	FUNC	LOCAL	DEFAULT	10	raw_hasher
269	00e1e8	21	FUNC	LOCAL	DEFAULT	10	raw_comparator
270	00e200	167	FUNC	LOCAL	DEFAULT	10	check_tuning
271	00e2a8	118	FUNC	LOCAL	DEFAULT	10	compute_bucket_size
272	00e5a0	61	FUNC	LOCAL	DEFAULT	10	allocate_entry
273	00e5e0	28	FUNC	LOCAL	DEFAULT	10	free_entry
274	00e5fc	237	FUNC	LOCAL	DEFAULT	10	hash_find_entry
275	00e6ec	292	FUNC	LOCAL	DEFAULT	10	transfer_entries
276	023158	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
277	01fe00	9	OBJECT	LOCAL	DEFAULT	12	power_letter
278	00ec60	245	FUNC	LOCAL	DEFAULT	10	adjust_value
279	00ed58	232	FUNC	LOCAL	DEFAULT	10	group_number
280	0258c4	12	OBJECT	LOCAL	DEFAULT	19	block_size_args
281	01fe70	8	OBJECT	LOCAL	DEFAULT	12	block_size_opts
282	00f8d8	61	FUNC	LOCAL	DEFAULT	10	default_block_size
283	00f918	273	FUNC	LOCAL	DEFAULT	10	humblock
284	02357c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
285	026328	4	OBJECT	LOCAL	DEFAULT	20	user_alist
286	02632c	4	OBJECT	LOCAL	DEFAULT	20	nouser_alist
287	026330	4	OBJECT	LOCAL	DEFAULT	20	group_alist
288	026334	4	OBJECT	LOCAL	DEFAULT	20	nogroup_alist
289	023690	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
290	023734	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
291	02376c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
292	00ff9c	81	FUNC	LOCAL	DEFAULT	10	wc_ensure_printable
293	00fff0	92	FUNC	LOCAL	DEFAULT	10	wc_truncate
294	01004c	41	FUNC	LOCAL	DEFAULT	10	mbs_align_pad
295	0237a4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
296	02386c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
297	010628	245	FUNC	LOCAL	DEFAULT	10	mpsort_into_tmp
298	010720	324	FUNC	LOCAL	DEFAULT	10	mpsort_with_tmp
299	0238c8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
300	023944	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
301	026340	48	OBJECT	LOCAL	DEFAULT	20	default_quoting_options
302	010abc	79	FUNC	LOCAL	DEFAULT	10	quoting_options_from_style
303	010b0c	228	FUNC	LOCAL	DEFAULT	10	gettext_quote
304	010bf0	3643	FUNC	LOCAL	DEFAULT	10	quotearg_buffer_restyled
305	025904	4	OBJECT	LOCAL	DEFAULT	19	nslots
306	025908	8	OBJECT	LOCAL	DEFAULT	19	slotvec0
307	026380	256	OBJECT	LOCAL	DEFAULT	20	slot0
308	025910	4	OBJECT	LOCAL	DEFAULT	19	slotvec
309	011c40	416	FUNC	LOCAL	DEFAULT	10	quotearg_n_options
310	023984	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
311	012208	67	FUNC	LOCAL	DEFAULT	10	memcpy_lowcase
312	01224c	67	FUNC	LOCAL	DEFAULT	10	memcpy_uppcase
313	012290	6835	FUNC	LOCAL	DEFAULT	10	strftime_case_
314	023e48	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
315	023f08	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
316	023fe0	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
317	023ff4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
318	024188	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
319	0241c0	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
320	0145c4	57	FUNC	LOCAL	DEFAULT	10	bkm_scale
321	014600	70	FUNC	LOCAL	DEFAULT	10	bkm_scale_by_power
322	02422c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
323	014974	167	FUNC	LOCAL	DEFAULT	10	xstrtol_error
324	0242b8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
325	014a60	155	FUNC	LOCAL	DEFAULT	10	bkm_scale
326	014afc	70	FUNC	LOCAL	DEFAULT	10	bkm_scale_by_power

327	024318	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
328	0243a8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
329	014ef0	46	FUNC	LOCAL	DEFAULT	10	is_open
330	014f20	60	FUNC	LOCAL	DEFAULT	10	flush_stdout
331	014f5c	105	FUNC	LOCAL	DEFAULT	10	print_errno_message
332	014fc8	134	FUNC	LOCAL	DEFAULT	10	error_tail
333	026480	4	OBJECT	LOCAL	DEFAULT	20	old_file_name.18
334	026484	4	OBJECT	LOCAL	DEFAULT	20	old_line_number.19
335	0243e4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
336	015194	2734	FUNC	LOCAL	DEFAULT	10	internal_fnmatch
337	015d18	1471	FUNC	LOCAL	DEFAULT	10	ext_match
338	015c44	210	FUNC	LOCAL	DEFAULT	10	end_pattern
339	026488	4	OBJECT	LOCAL	DEFAULT	20	posixly_correct
340	0162d8	130	FUNC	LOCAL	DEFAULT	10	is_char_class
341	01635c	2515	FUNC	LOCAL	DEFAULT	10	internal_fnwmatch
342	016e1c	1499	FUNC	LOCAL	DEFAULT	10	ext_wmatch
343	016d30	234	FUNC	LOCAL	DEFAULT	10	end_wpattern
344	0244cc	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
345	017670	220	FUNC	LOCAL	DEFAULT	10	exchange
346	01774c	155	FUNC	LOCAL	DEFAULT	10	_getopt_initialize
347	0264a0	40	OBJECT	LOCAL	DEFAULT	20	getopt_data
348	024688	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
349	024764	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
350	01872c	42	FUNC	LOCAL	DEFAULT	10	orig_lstat
351	024808	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
352	024864	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
353	02489c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
354	01889c	118	FUNC	LOCAL	DEFAULT	10	leapyear
355	0208e0	52	OBJECT	LOCAL	DEFAULT	12	__mon_yday
356	018914	52	FUNC	LOCAL	DEFAULT	10	isdst_differ
357	018948	294	FUNC	LOCAL	DEFAULT	10	ydhms_diff
358	018a70	33	FUNC	LOCAL	DEFAULT	10	time_t_avg
359	018a94	53	FUNC	LOCAL	DEFAULT	10	time_t_add_ok
360	018acc	39	FUNC	LOCAL	DEFAULT	10	time_t_int_add_ok
361	018af4	163	FUNC	LOCAL	DEFAULT	10	guess_time_tm
362	018b98	181	FUNC	LOCAL	DEFAULT	10	ranged_convert
363	0264c8	4	OBJECT	LOCAL	DEFAULT	20	localtime_offset
364	0248d4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
365	01914c	56	FUNC	LOCAL	DEFAULT	10	call_chunkfun
366	019184	64	FUNC	LOCAL	DEFAULT	10	call_freefun
367	0191c4	149	FUNC	LOCAL	DEFAULT	10	_obstack_begin_worker
368	0194a8	67	FUNC	LOCAL	DEFAULT	10	print_and_abort
369	024a40	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
370	024ba8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
371	019590	42	FUNC	LOCAL	DEFAULT	10	orig_stat
372	024be4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
373	024c40	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
374	024c74	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
375	024cc8	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
376	01985c	43	FUNC	LOCAL	DEFAULT	10	get_charset_aliases
377	0264cc	4	OBJECT	LOCAL	DEFAULT	20	charset_aliases
378	024d04	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
379	024d60	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
380	019a84	47	FUNC	LOCAL	DEFAULT	10	clear_ungetc_buffer_preserving_position
381	024da4	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
382	024dfc	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
383	024e28	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
384	024e60	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
385	024e8c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
386	020940	0	OBJECT	LOCAL	DEFAULT	12	wide_null_string.3
387	024f20	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
388	024f5c	0	NOTYPE	LOCAL	DEFAULT	14	__FRAME_BEGIN__
389	004a30	67	FUNC	LOCAL	HIDDEN	10	__haiku_term_after
390	024fb8	0	OBJECT	LOCAL	HIDDEN	65521	_DYNAMIC
391	0049ec	67	FUNC	LOCAL	HIDDEN	10	__haiku_term_before

392	0049a8	67	FUNC	LOCAL	HIDDEN	10	__haiku_init_after
393	025080	0	OBJECT	LOCAL	HIDDEN	65521	_GLOBAL_OFFSET_TABLE_
394	004964	67	FUNC	LOCAL	HIDDEN	10	__haiku_init_before
395	0000d4	0	SECTION	LOCAL	DEFAULT	1	.hash
396	0009a8	0	SECTION	LOCAL	DEFAULT	2	.dynsym
397	001c68	0	SECTION	LOCAL	DEFAULT	3	.dynstr
398	002984	0	SECTION	LOCAL	DEFAULT	4	.gnu.version
399	002bdc	0	SECTION	LOCAL	DEFAULT	5	.gnu.version_r
400	002c0c	0	SECTION	LOCAL	DEFAULT	6	.rel.dyn
401	003dc4	0	SECTION	LOCAL	DEFAULT	7	.rel.plt
402	00412c	0	SECTION	LOCAL	DEFAULT	8	.init
403	00414c	0	SECTION	LOCAL	DEFAULT	9	.plt
404	00482c	0	SECTION	LOCAL	DEFAULT	10	.text
405	01be20	0	SECTION	LOCAL	DEFAULT	11	.fini
406	01be40	0	SECTION	LOCAL	DEFAULT	12	.rodata
407	02095c	0	SECTION	LOCAL	DEFAULT	13	.interp
408	021974	0	SECTION	LOCAL	DEFAULT	14	.eh_frame
409	024fa8	0	SECTION	LOCAL	DEFAULT	15	.ctors
410	024fb0	0	SECTION	LOCAL	DEFAULT	16	.dtors
411	024fb8	0	SECTION	LOCAL	DEFAULT	17	.dynamic
412	025080	0	SECTION	LOCAL	DEFAULT	18	.got
413	0252c0	0	SECTION	LOCAL	DEFAULT	19	.data
414	025960	0	SECTION	LOCAL	DEFAULT	20	.bss
415	000000	0	SECTION	LOCAL	DEFAULT	21	.comment
416	000000	0	SECTION	LOCAL	DEFAULT	22	.gnu_debuglink
417	000000	0	FUNC	GLOBAL	DEFAULT	0	longjmp
418	014440	54	FUNC	GLOBAL	DEFAULT	10	xalloc_die
419	000000	71	FUNC	GLOBAL	DEFAULT	0	get_image_symbol
420	000000	29	FUNC	GLOBAL	DEFAULT	0	stpcpy
421	00eb1c	321	FUNC	GLOBAL	DEFAULT	10	hash_delete
422	000000	217	FUNC	GLOBAL	DEFAULT	0	clock_gettime
423	014264	57	FUNC	GLOBAL	DEFAULT	10	xmalloc
424	000000	29	FUNC	GLOBAL	DEFAULT	0	strcpy
425	00daa4	359	FUNC	GLOBAL	DEFAULT	10	filevercmp
426	00fd64	295	FUNC	GLOBAL	DEFAULT	10	getgidbyname
427	014648	812	FUNC	GLOBAL	DEFAULT	10	xstrtoul
428	000000	21	FUNC	GLOBAL	DEFAULT	0	setjmp
429	00ead4	71	FUNC	GLOBAL	DEFAULT	10	hash_insert
430	000000	416	FUNC	GLOBAL	DEFAULT	0	__divdi3
431	000000	73	FUNC	GLOBAL	DEFAULT	0	ioctl
432	010864	47	FUNC	GLOBAL	DEFAULT	10	mpsort
433	025920	48	OBJECT	GLOBAL	DEFAULT	19	quote_quoting_options
434	00d534	326	FUNC	GLOBAL	DEFAULT	10	strmode
435	000000	51	FUNC	GLOBAL	DEFAULT	0	printf
436	000000	4	OBJECT	GLOBAL	DEFAULT	0	stdout
437	019484	35	FUNC	GLOBAL	DEFAULT	10	_obstack_memory_used
438	000000	82	FUNC	GLOBAL	DEFAULT	0	putc_unlocked
439	012118	55	FUNC	GLOBAL	DEFAULT	10	quotearg_custom_mem
440	011ac8	207	FUNC	GLOBAL	DEFAULT	10	quotearg_alloc_mem
441	01407c	59	FUNC	GLOBAL	DEFAULT	10	version_etc
442	000000	276	FUNC	GLOBAL	DEFAULT	0	memmove
443	01b27c	2898	FUNC	GLOBAL	DEFAULT	10	printf_parse
444	019afc	20	FUNC	GLOBAL	DEFAULT	10	__fpending
445	000000	50	FUNC	GLOBAL	DEFAULT	0	snprintf
446	011e48	40	FUNC	GLOBAL	DEFAULT	10	quotearg
447	025954	4	OBJECT	GLOBAL	DEFAULT	19	rpl_opterr
448	013fcc	72	FUNC	GLOBAL	DEFAULT	10	version_etc_ar
449	0121b4	44	FUNC	GLOBAL	DEFAULT	10	quote_n
450	00dd54	76	FUNC	GLOBAL	DEFAULT	10	hash_get_max_bucket_length
451	014014	101	FUNC	GLOBAL	DEFAULT	10	version_etc_va
452	000000	92	FUNC	GLOBAL	DEFAULT	0	getgrgid
453	019b10	119	FUNC	GLOBAL	DEFAULT	10	rpl_fseeko
454	00ce6c	379	FUNC	GLOBAL	DEFAULT	10	argmatch
455	000000	4	OBJECT	GLOBAL	DEFAULT	0	__ctype_b
456	010a44	45	FUNC	GLOBAL	DEFAULT	10	set_quoting_flags

457	000000	168	FUNC	GLOBAL	DEFAULT	0	getenv
458	000000	28	FUNC	GLOBAL	DEFAULT	0	wcslen
459	000000	40	FUNC	GLOBAL	DEFAULT	0	iswcntrl
460	012188	44	FUNC	GLOBAL	DEFAULT	10	quote_mem
461	00dc68	186	FUNC	GLOBAL	DEFAULT	10	hard_locale
462	000000	57	FUNC	GLOBAL	DEFAULT	0	wmempcpy
463	011fd4	45	FUNC	GLOBAL	DEFAULT	10	quotearg_char
464	011de0	48	FUNC	GLOBAL	DEFAULT	10	quotearg_n
465	012150	53	FUNC	GLOBAL	DEFAULT	10	quote_n_mem
466	00c9c4	926	FUNC	GLOBAL	DEFAULT	10	usage
467	00cfe8	95	FUNC	GLOBAL	DEFAULT	10	argmatch_invalid
468	0150b8	220	FUNC	GLOBAL	DEFAULT	10	error_at_line
469	01457c	71	FUNC	GLOBAL	DEFAULT	10	xdectoumax
470	014120	70	FUNC	GLOBAL	DEFAULT	10	xnmalloc
471	000000	10	FUNC	GLOBAL	DEFAULT	0	memcpy
472	00d254	231	FUNC	GLOBAL	DEFAULT	10	close_stdout
473	000000	45	FUNC	GLOBAL	DEFAULT	0	readlink
474	020380	47	OBJECT	GLOBAL	DEFAULT	12	version_etc_copyright
475	000000	4	OBJECT	GLOBAL	DEFAULT	0	__main_thread_id
476	00df84	69	FUNC	GLOBAL	DEFAULT	10	hash_get_first
477	00d1c4	77	FUNC	GLOBAL	DEFAULT	10	argmatch_to_argument
478	00e034	72	FUNC	GLOBAL	DEFAULT	10	hash_get_entries
479	000000	262	FUNC	GLOBAL	DEFAULT	0	mbrtowc
480	0121e0	40	FUNC	GLOBAL	DEFAULT	10	quote
481	00e07c	108	FUNC	GLOBAL	DEFAULT	10	hash_do_for_each
482	000000	73	FUNC	GLOBAL	DEFAULT	0	sigaction@@LIBROOT_1_ALPHA4
483	0199d8	170	FUNC	GLOBAL	DEFAULT	10	rpl_fclose
484	0192a0	73	FUNC	GLOBAL	DEFAULT	10	_obstack_begin_1
485	000000	490	FUNC	GLOBAL	DEFAULT	0	malloc
486	000000	56	FUNC	GLOBAL	DEFAULT	0	isatty
487	0194ec	164	FUNC	GLOBAL	DEFAULT	10	rpl_readlink
488	000000	84	FUNC	GLOBAL	DEFAULT	0	btowc
489	000000	73	FUNC	GLOBAL	DEFAULT	0	sigprocmask@@LIBROOT_1_ALPHA4
490	010430	502	FUNC	GLOBAL	DEFAULT	10	mbsnwidth
491	014168	74	FUNC	GLOBAL	DEFAULT	10	xnrealloc
492	000000	46	FUNC	GLOBAL	DEFAULT	0	strtoumax
493	000000	376	FUNC	GLOBAL	DEFAULT	0	strtoul
494	01423c	38	FUNC	GLOBAL	DEFAULT	10	xcharalloc
495	0192ec	244	FUNC	GLOBAL	DEFAULT	10	_obstack_newchunk
496	00e320	229	FUNC	GLOBAL	DEFAULT	10	hash_initialize
497	000000	50	FUNC	GLOBAL	DEFAULT	0	wcstombs
498	000000	172	FUNC	GLOBAL	DEFAULT	0	readdir
499	01ff40	32	OBJECT	GLOBAL	DEFAULT	12	quoting_style_vals
500	0264d0	4	OBJECT	GLOBAL	DEFAULT	20	error_message_count
501	018868	51	FUNC	GLOBAL	DEFAULT	10	mempcpy
502	00d3fc	64	FUNC	GLOBAL	DEFAULT	10	last_component
503	000000	110	FUNC	GLOBAL	DEFAULT	0	fflush
504	000000	4	OBJECT	GLOBAL	DEFAULT	0	__ctype_toupper
505	0140b8	104	FUNC	GLOBAL	DEFAULT	10	emit_bug_reporting_address
506	000000	50	FUNC	GLOBAL	DEFAULT	0	mbstowcs
507	000000	384	FUNC	GLOBAL	DEFAULT	0	__umoddi3
508	000000	86	FUNC	GLOBAL	DEFAULT	0	lseek
509	00e810	316	FUNC	GLOBAL	DEFAULT	10	hash_rehash
510	0258b4	4	OBJECT	GLOBAL	DEFAULT	19	ls_mode
511	011e9c	66	FUNC	GLOBAL	DEFAULT	10	quotearg_n_style
512	0196ec	205	FUNC	GLOBAL	DEFAULT	10	rpl_vfprintf
513	011b98	167	FUNC	GLOBAL	DEFAULT	10	quotearg_free
514	000000	73	FUNC	GLOBAL	DEFAULT	0	lstat@@LIBROOT_1_ALPHA1
515	000000	7	FUNC	GLOBAL	DEFAULT	0	_call_init_routines_
516	000000	276	FUNC	GLOBAL	DEFAULT	0	__udivdi3
517	000000	81	FUNC	GLOBAL	DEFAULT	0	abort
518	011a2c	108	FUNC	GLOBAL	DEFAULT	10	quotearg_buffer
519	011a98	45	FUNC	GLOBAL	DEFAULT	10	quotearg_alloc
520	0264d4	4	OBJECT	GLOBAL	DEFAULT	20	error_print_progname
521	00412c	0	FUNC	GLOBAL	DEFAULT	8	_init

522	000000	38	FUNC	GLOBAL	DEFAULT	0		__freading
523	011e10	53	FUNC	GLOBAL	DEFAULT	10		quotearg_n_mem
524	00ff38	99	FUNC	GLOBAL	DEFAULT	10		umaxtostr
525	00fb5c	295	FUNC	GLOBAL	DEFAULT	10		getuidbyname
526	000000	43	FUNC	GLOBAL	DEFAULT	0		iswprint
527	0258d0	4	OBJECT	GLOBAL	DEFAULT	19		program_name
528	000000	53	FUNC	GLOBAL	DEFAULT	0		find_thread
529	013d44	65	FUNC	GLOBAL	DEFAULT	10		nstrftime
530	000000	32	FUNC	GLOBAL	DEFAULT	0		strrchr
531	000000	44	FUNC	GLOBAL	DEFAULT	0		signal@@LIBROOT_1_ALPHA4
532	01925c	67	FUNC	GLOBAL	DEFAULT	10		_obstack_begin
533	000000	510	FUNC	GLOBAL	DEFAULT	0		calloc
534	0109ac	39	FUNC	GLOBAL	DEFAULT	10		set_quoting_style
535	00e0e8	51	FUNC	GLOBAL	DEFAULT	10		hash_string
536	011ee0	68	FUNC	GLOBAL	DEFAULT	10		quotearg_n_style_mem
537	00fa2c	78	FUNC	GLOBAL	DEFAULT	10		human_options
538	000000	41	FUNC	GLOBAL	DEFAULT	0		wmemchr
539	010988	36	FUNC	GLOBAL	DEFAULT	10		get_quoting_style
540	019b88	13	FUNC	GLOBAL	DEFAULT	10		fseterr
541	000000	35	FUNC	GLOBAL	DEFAULT	0		__ctype_get_mb_cur_max
542	000000	46	FUNC	GLOBAL	DEFAULT	0		fprintf
543	0258c0	4	OBJECT	GLOBAL	DEFAULT	19		exit_failure
544	000000	154	FUNC	GLOBAL	DEFAULT	0		fputs_unlocked
545	00d4a0	9	FUNC	GLOBAL	DEFAULT	10		file_has_acl
546	0143d0	111	FUNC	GLOBAL	DEFAULT	10		xstrdup
547	000000	45	FUNC	GLOBAL	DEFAULT	0		strcat
548	00fc84	222	FUNC	GLOBAL	DEFAULT	10		getgroup
549	019888	336	FUNC	GLOBAL	DEFAULT	10		locale_charset
550	000000	93	FUNC	GLOBAL	DEFAULT	0		sigismember@@LIBROOT_1_ALPHA4
551	00dd44	13	FUNC	GLOBAL	DEFAULT	10		hash_get_n_entries
552	010a74	71	FUNC	GLOBAL	DEFAULT	10		set_custom_quoting
553	000000	186	FUNC	WEAK	DEFAULT	0		__deregister_frame_info
554	00dd34	13	FUNC	GLOBAL	DEFAULT	10		hash_get_n_buckets_used
555	000000	109	FUNC	GLOBAL	DEFAULT	0		fseeko
556	019118	52	FUNC	GLOBAL	DEFAULT	10		rpl_mktime
557	00dda0	88	FUNC	GLOBAL	DEFAULT	10		hash_table_ok
558	00d700	284	FUNC	GLOBAL	DEFAULT	10		mfile_name_concat
559	000000	85	FUNC	GLOBAL	DEFAULT	0		nl_langinfo
560	00e408	172	FUNC	GLOBAL	DEFAULT	10		hash_clear
561	000000	52	FUNC	GLOBAL	DEFAULT	0		memchr
562	01435c	55	FUNC	GLOBAL	DEFAULT	10		xcalloc
563	004900	100	FUNC	GLOBAL	DEFAULT	10		_start
564	018758	190	FUNC	GLOBAL	DEFAULT	10		rpl_lstat
565	000000	171	FUNC	GLOBAL	DEFAULT	0		strstr
566	011e70	44	FUNC	GLOBAL	DEFAULT	10		quotearg_mem
567	000000	4	OBJECT	GLOBAL	DEFAULT	0		argv_save
568	000000	12	FUNC	GLOBAL	DEFAULT	0		dirfd
569	000000	100	FUNC	GLOBAL	DEFAULT	0		iswctype
570	000000	116	FUNC	GLOBAL	DEFAULT	0		strcoll
571	000000	59	FUNC	GLOBAL	DEFAULT	0		strncmp
572	019b98	5547	FUNC	GLOBAL	DEFAULT	10		vasnprintf
573	00fa7c	222	FUNC	GLOBAL	DEFAULT	10		getuser
574	01033c	127	FUNC	GLOBAL	DEFAULT	10		ambsalign
575	000000	400	FUNC	GLOBAL	DEFAULT	0		wcwidth
576	000000	346	FUNC	GLOBAL	DEFAULT	0		realloc
577	0252d0	4	OBJECT	GLOBAL	DEFAULT	19		_gSharedObjectHaikuABI
578	00df1c	103	FUNC	GLOBAL	DEFAULT	10		hash_lookup
579	010894	165	FUNC	GLOBAL	DEFAULT	10		set_program_name
580	00e94c	390	FUNC	GLOBAL	DEFAULT	10		hash_insert_if_absent
581	0142a0	85	FUNC	GLOBAL	DEFAULT	10		xrealloc
582	018568	139	FUNC	GLOBAL	DEFAULT	10		rpl_getopt_internal
583	0177e8	3454	FUNC	GLOBAL	DEFAULT	10		_getopt_internal_r
584	0186ec	64	FUNC	GLOBAL	DEFAULT	10		_getopt_long_only_r
585	01093c	75	FUNC	GLOBAL	DEFAULT	10		clone_quoting_options
586	00d15c	103	FUNC	GLOBAL	DEFAULT	10		__xargmatch_internal

587	000000	152	FUNC	GLOBAL	DEFAULT	0	strdup
588	000000	7	FUNC	GLOBAL	DEFAULT	0	_init_c_library_
589	0193e0	41	FUNC	GLOBAL	DEFAULT	10	_obstack_allocated_p
590	014b44	842	FUNC	GLOBAL	DEFAULT	10	xstrtoumax
591	000000	254	FUNC	GLOBAL	DEFAULT	0	__fixunsxfdi
592	000000	90	FUNC	GLOBAL	DEFAULT	0	gettimeofday
593	025960	0	NOTYPE	GLOBAL	DEFAULT	65521	__bss_start
594	000000	45	FUNC	GLOBAL	DEFAULT	0	localtime
595	000000	10	FUNC	GLOBAL	DEFAULT	0	memset
596	005030	1791	FUNC	GLOBAL	DEFAULT	10	main
597	00d234	30	FUNC	GLOBAL	DEFAULT	10	close_stdout_set_ignore_EPIPE
598	00d048	276	FUNC	GLOBAL	DEFAULT	10	argmatch_valid
599	000000	158	FUNC	GLOBAL	DEFAULT	0	mbsrtowcs
600	000000	392	FUNC	GLOBAL	DEFAULT	0	wctype
601	0258e0	36	OBJECT	GLOBAL	DEFAULT	19	quoting_style_args
602	000000	237	FUNC	GLOBAL	DEFAULT	0	fclose
603	0258bc	4	OBJECT	GLOBAL	DEFAULT	19	argmatch_die
604	000000	88	FUNC	GLOBAL	DEFAULT	0	opendir
605	011f24	44	FUNC	GLOBAL	DEFAULT	10	quotearg_style
606	000000	90	FUNC	GLOBAL	DEFAULT	0	__assert_fail
607	0252c8	1	OBJECT	GLOBAL	DEFAULT	19	__gHaikuStartupCode
608	000000	24	FUNC	GLOBAL	DEFAULT	0	_errnop
609	019ab4	70	FUNC	GLOBAL	DEFAULT	10	rpl_fflush
610	0141b4	134	FUNC	GLOBAL	DEFAULT	10	x2nrealloc
611	0264dc	4	OBJECT	GLOBAL	DEFAULT	20	rpl_optarg
612	013d88	577	FUNC	GLOBAL	DEFAULT	10	version_etc_arn
613	012090	86	FUNC	GLOBAL	DEFAULT	10	quotearg_n_custom_mem
614	000000	41	FUNC	GLOBAL	DEFAULT	0	strcmp
615	02595c	4	OBJECT	GLOBAL	DEFAULT	19	obstack_alloc_failed_handler
616	000000	92	FUNC	GLOBAL	DEFAULT	0	getpwuid
617	01202c	44	FUNC	GLOBAL	DEFAULT	10	quotearg_colon_mem
618	000000	92	FUNC	GLOBAL	DEFAULT	0	getpwnam
619	01862c	63	FUNC	GLOBAL	DEFAULT	10	rpl_getopt_long
620	01be20	0	FUNC	GLOBAL	DEFAULT	11	_fini
621	014324	53	FUNC	GLOBAL	DEFAULT	10	xzalloc
622	012004	40	FUNC	GLOBAL	DEFAULT	10	quotearg_colon
623	000000	46	FUNC	GLOBAL	DEFAULT	0	sprintf
624	00ee40	2711	FUNC	GLOBAL	DEFAULT	10	human_readable
625	000000	76	FUNC	GLOBAL	DEFAULT	0	strerror_r
626	012058	55	FUNC	GLOBAL	DEFAULT	10	quotearg_n_custom
627	000000	55	FUNC	GLOBAL	DEFAULT	0	__cmpdi2
628	00e1a8	42	FUNC	GLOBAL	DEFAULT	10	hash_reset_tuning
629	000000	42	FUNC	GLOBAL	DEFAULT	0	atexit
630	000000	25	FUNC	GLOBAL	DEFAULT	0	sigemptyset@@LIBROOT_1_ALPHA4
631	0120e8	45	FUNC	GLOBAL	DEFAULT	10	quotearg_custom
632	000000	532	FUNC	GLOBAL	DEFAULT	0	setlocale
633	014394	57	FUNC	GLOBAL	DEFAULT	10	xmemdup
634	000000	4	OBJECT	GLOBAL	DEFAULT	0	stderr
635	015050	104	FUNC	GLOBAL	DEFAULT	10	error
636	00d67c	45	FUNC	GLOBAL	DEFAULT	10	filemodestring
637	0185f4	54	FUNC	GLOBAL	DEFAULT	10	rpl_getopt
638	000000	90	FUNC	GLOBAL	DEFAULT	0	putchar_unlocked
639	000000	122	FUNC	GLOBAL	DEFAULT	0	fputc
640	00d33c	70	FUNC	GLOBAL	DEFAULT	10	dir_len
641	0103bc	114	FUNC	GLOBAL	DEFAULT	10	gnu_mbswidth
642	00cd64	227	FUNC	GLOBAL	DEFAULT	10	areadlink_with_size
643	0258b8	4	OBJECT	GLOBAL	DEFAULT	19	Version
644	0186ac	63	FUNC	GLOBAL	DEFAULT	10	rpl_getopt_long_only
645	000000	132	FUNC	GLOBAL	DEFAULT	0	localtime_r
646	000000	110	FUNC	GLOBAL	DEFAULT	0	fflush_unlocked
647	000000	100	FUNC	GLOBAL	DEFAULT	0	strftime
648	000000	64	FUNC	GLOBAL	DEFAULT	0	localeconv
649	025950	4	OBJECT	GLOBAL	DEFAULT	19	rpl_optind
650	000000	102	FUNC	GLOBAL	DEFAULT	0	fwrite_unlocked
651	00dfcc	101	FUNC	GLOBAL	DEFAULT	10	hash_get_next

652	019660	139	FUNC	GLOBAL	DEFAULT	10	stpncpy
653	000000	161	FUNC	GLOBAL	DEFAULT	0	fwrite
654	025960	0	NOTYPE	GLOBAL	DEFAULT	65521	_edata
655	00dc0c	90	FUNC	GLOBAL	DEFAULT	10	gettime
656	00fe8c	171	FUNC	GLOBAL	DEFAULT	10	imaxtostr
657	0264e0	0	NOTYPE	GLOBAL	DEFAULT	65521	_end
658	000000	62	FUNC	GLOBAL	DEFAULT	0	tcgetpgrp
659	00e4b4	233	FUNC	GLOBAL	DEFAULT	10	hash_free
660	0173f8	631	FUNC	GLOBAL	DEFAULT	10	gnu_fnmatch
661	01940c	118	FUNC	GLOBAL	DEFAULT	10	_obstack_free
662	014a1c	67	FUNC	GLOBAL	DEFAULT	10	xstrtol_fatal
663	000000	65	FUNC	GLOBAL	DEFAULT	0	exit
664	000000	88	FUNC	GLOBAL	DEFAULT	0	towlower
665	000000	92	FUNC	GLOBAL	DEFAULT	0	getgrnam
666	00d214	30	FUNC	GLOBAL	DEFAULT	10	close_stdout_set_file_name
667	00d6ac	59	FUNC	GLOBAL	DEFAULT	10	file_name_concat
668	0142f8	44	FUNC	GLOBAL	DEFAULT	10	x2realloc
669	01866c	64	FUNC	GLOBAL	DEFAULT	10	_getopt_long_r
670	0264d8	4	OBJECT	GLOBAL	DEFAULT	20	error_one_per_line
671	0109d4	112	FUNC	GLOBAL	DEFAULT	10	set_char_quoting
672	000000	18	FUNC	GLOBAL	DEFAULT	0	ferror_unlocked
673	000000	57	FUNC	GLOBAL	DEFAULT	0	fileno
674	000000	540	FUNC	GLOBAL	DEFAULT	0	__moddi3
675	011f80	83	FUNC	GLOBAL	DEFAULT	10	quotearg_char_mem
676	011f50	45	FUNC	GLOBAL	DEFAULT	10	quotearg_style_mem
677	000000	37	FUNC	GLOBAL	DEFAULT	0	_exit
678	018818	78	FUNC	GLOBAL	DEFAULT	10	rpl_mbrtowc
679	000000	49	FUNC	GLOBAL	DEFAULT	0	wcscat
680	000000	73	FUNC	GLOBAL	DEFAULT	0	stat@@LIBROOT_1_ALPHA1
681	01b144	312	FUNC	GLOBAL	DEFAULT	10	printf_fetchargs
682	00d43c	99	FUNC	GLOBAL	DEFAULT	10	base_len
683	00d384	117	FUNC	GLOBAL	DEFAULT	10	mdir_name
684	014e90	96	FUNC	GLOBAL	DEFAULT	10	rpl_calloc
685	025958	4	OBJECT	GLOBAL	DEFAULT	19	rpl_optopt
686	00ddf8	218	FUNC	GLOBAL	DEFAULT	10	hash_print_statistics
687	000000	37	FUNC	GLOBAL	DEFAULT	0	strchr
688	000000	93	FUNC	GLOBAL	DEFAULT	0	wcswidth
689	000000	206	FUNC	GLOBAL	DEFAULT	0	fputs
690	00dd24	13	FUNC	GLOBAL	DEFAULT	10	hash_get_n_buckets
691	0195bc	164	FUNC	GLOBAL	DEFAULT	10	rpl_stat
692	000000	102	FUNC	GLOBAL	DEFAULT	0	closedir
693	000000	90	FUNC	GLOBAL	DEFAULT	0	fcntl
694	010078	708	FUNC	GLOBAL	DEFAULT	10	mbsalign
695	000000	4	OBJECT	GLOBAL	DEFAULT	0	__ctype_tolower
696	000000	147	FUNC	WEAK	DEFAULT	0	__register_frame_info
697	0252cc	4	OBJECT	GLOBAL	DEFAULT	19	_gSharedObjectHaikuVersion
698	0197bc	160	FUNC	GLOBAL	DEFAULT	10	close_stream
699	018c50	1221	FUNC	GLOBAL	DEFAULT	10	mktime_internal
700	000000	73	FUNC	GLOBAL	DEFAULT	0	fstat@@LIBROOT_1_ALPHA1
701	000000	86	FUNC	GLOBAL	DEFAULT	0	sigaddset@@LIBROOT_1_ALPHA4
702	014478	257	FUNC	GLOBAL	DEFAULT	10	xnumtoumax
703	000000	77	FUNC	GLOBAL	DEFAULT	0	raise
704	000000	221	FUNC	GLOBAL	DEFAULT	0	free
705	000000	27	FUNC	GLOBAL	DEFAULT	0	mbsinit

Displaying the dynamic symbol table

Num:	Value	Size	Type	Bind	Vis	Ndx	Name
0	000000	0	NOTYPE	LOCAL	DEFAULT	0	NULL
1	00412c	0	SECTION	LOCAL	DEFAULT	8	.init
2	00482c	0	SECTION	LOCAL	DEFAULT	10	.text
3	01be20	0	SECTION	LOCAL	DEFAULT	11	.fini
4	01be40	0	SECTION	LOCAL	DEFAULT	12	.rodata
5	02095c	0	SECTION	LOCAL	DEFAULT	13	.interp
6	021974	0	SECTION	LOCAL	DEFAULT	14	.eh_frame
7	024fa8	0	SECTION	LOCAL	DEFAULT	15	.ctors

8	024fb0	0	SECTION	LOCAL	DEFAULT	16	.dtors
9	0252c0	0	SECTION	LOCAL	DEFAULT	19	.data
10	025960	0	SECTION	LOCAL	DEFAULT	20	.bss
11	000000	0	FUNC	GLOBAL	DEFAULT	0	longjmp
12	014440	54	FUNC	GLOBAL	DEFAULT	10	xalloc_die
13	000000	71	FUNC	GLOBAL	DEFAULT	0	get_image_symbol
14	000000	29	FUNC	GLOBAL	DEFAULT	0	stpcpy
15	00eb1c	321	FUNC	GLOBAL	DEFAULT	10	hash_delete
16	000000	217	FUNC	GLOBAL	DEFAULT	0	clock_gettime
17	014264	57	FUNC	GLOBAL	DEFAULT	10	xmalloc
18	000000	29	FUNC	GLOBAL	DEFAULT	0	strcpy
19	00daa4	359	FUNC	GLOBAL	DEFAULT	10	filevercmp
20	00fd64	295	FUNC	GLOBAL	DEFAULT	10	getgidbyname
21	014648	812	FUNC	GLOBAL	DEFAULT	10	xstrtoul
22	000000	21	FUNC	GLOBAL	DEFAULT	0	setjmp
23	00ead4	71	FUNC	GLOBAL	DEFAULT	10	hash_insert
24	000000	416	FUNC	GLOBAL	DEFAULT	0	__divdi3
25	000000	73	FUNC	GLOBAL	DEFAULT	0	ioctl
26	010864	47	FUNC	GLOBAL	DEFAULT	10	mpsort
27	025920	48	OBJECT	GLOBAL	DEFAULT	19	quote_quoting_options
28	00d534	326	FUNC	GLOBAL	DEFAULT	10	strmode
29	000000	51	FUNC	GLOBAL	DEFAULT	0	printf
30	000000	4	OBJECT	GLOBAL	DEFAULT	0	stdout
31	019484	35	FUNC	GLOBAL	DEFAULT	10	_obstack_memory_used
32	000000	82	FUNC	GLOBAL	DEFAULT	0	putc_unlocked
33	012118	55	FUNC	GLOBAL	DEFAULT	10	quotearg_custom_mem
34	011ac8	207	FUNC	GLOBAL	DEFAULT	10	quotearg_alloc_mem
35	01407c	59	FUNC	GLOBAL	DEFAULT	10	version_etc
36	000000	276	FUNC	GLOBAL	DEFAULT	0	memmove
37	01b27c	2898	FUNC	GLOBAL	DEFAULT	10	printf_parse
38	019afc	20	FUNC	GLOBAL	DEFAULT	10	__fpending
39	000000	50	FUNC	GLOBAL	DEFAULT	0	snprintf
40	011e48	40	FUNC	GLOBAL	DEFAULT	10	quotearg
41	025954	4	OBJECT	GLOBAL	DEFAULT	19	rpl_opterr
42	013fcc	72	FUNC	GLOBAL	DEFAULT	10	version_etc_ar
43	0121b4	44	FUNC	GLOBAL	DEFAULT	10	quote_n
44	00dd54	76	FUNC	GLOBAL	DEFAULT	10	hash_get_max_bucket_length
45	014014	101	FUNC	GLOBAL	DEFAULT	10	version_etc_va
46	000000	92	FUNC	GLOBAL	DEFAULT	0	getgrgid
47	019b10	119	FUNC	GLOBAL	DEFAULT	10	rpl_fseeko
48	00ce6c	379	FUNC	GLOBAL	DEFAULT	10	argmatch
49	000000	4	OBJECT	GLOBAL	DEFAULT	0	__ctype_b
50	010a44	45	FUNC	GLOBAL	DEFAULT	10	set_quoting_flags
51	000000	168	FUNC	GLOBAL	DEFAULT	0	getenv
52	000000	28	FUNC	GLOBAL	DEFAULT	0	wcslen
53	000000	40	FUNC	GLOBAL	DEFAULT	0	iswcntrl
54	012188	44	FUNC	GLOBAL	DEFAULT	10	quote_mem
55	00dc68	186	FUNC	GLOBAL	DEFAULT	10	hard_locale
56	000000	57	FUNC	GLOBAL	DEFAULT	0	wmempcpy
57	011fd4	45	FUNC	GLOBAL	DEFAULT	10	quotearg_char
58	011de0	48	FUNC	GLOBAL	DEFAULT	10	quotearg_n
59	012150	53	FUNC	GLOBAL	DEFAULT	10	quote_n_mem
60	00c9c4	926	FUNC	GLOBAL	DEFAULT	10	usage
61	00cfe8	95	FUNC	GLOBAL	DEFAULT	10	argmatch_invalid
62	0150b8	220	FUNC	GLOBAL	DEFAULT	10	error_at_line
63	01457c	71	FUNC	GLOBAL	DEFAULT	10	xdectoumax
64	014120	70	FUNC	GLOBAL	DEFAULT	10	xnmalloc
65	000000	10	FUNC	GLOBAL	DEFAULT	0	memcpy
66	00d254	231	FUNC	GLOBAL	DEFAULT	10	close_stdout
67	000000	45	FUNC	GLOBAL	DEFAULT	0	readlink
68	020380	47	OBJECT	GLOBAL	DEFAULT	12	version_etc_copyright
69	000000	4	OBJECT	GLOBAL	DEFAULT	0	__main_thread_id
70	00df84	69	FUNC	GLOBAL	DEFAULT	10	hash_get_first
71	00d1c4	77	FUNC	GLOBAL	DEFAULT	10	argmatch_to_argument
72	00e034	72	FUNC	GLOBAL	DEFAULT	10	hash_get_entries

73	000000	262	FUNC	GLOBAL	DEFAULT	0	mbrtowc
74	0121e0	40	FUNC	GLOBAL	DEFAULT	10	quote
75	00e07c	108	FUNC	GLOBAL	DEFAULT	10	hash_do_for_each
76	000000	73	FUNC	GLOBAL	DEFAULT	0	sigaction
77	0199d8	170	FUNC	GLOBAL	DEFAULT	10	rpl_fclose
78	0192a0	73	FUNC	GLOBAL	DEFAULT	10	_obstack_begin_1
79	000000	490	FUNC	GLOBAL	DEFAULT	0	malloc
80	000000	56	FUNC	GLOBAL	DEFAULT	0	isatty
81	0194ec	164	FUNC	GLOBAL	DEFAULT	10	rpl_readlink
82	000000	84	FUNC	GLOBAL	DEFAULT	0	btowc
83	000000	73	FUNC	GLOBAL	DEFAULT	0	sigprocmask
84	010430	502	FUNC	GLOBAL	DEFAULT	10	mbsnwidth
85	014168	74	FUNC	GLOBAL	DEFAULT	10	xnrealloc
86	000000	46	FUNC	GLOBAL	DEFAULT	0	strtoumax
87	000000	376	FUNC	GLOBAL	DEFAULT	0	strtoul
88	01423c	38	FUNC	GLOBAL	DEFAULT	10	xcharalloc
89	0192ec	244	FUNC	GLOBAL	DEFAULT	10	_obstack_newchunk
90	00e320	229	FUNC	GLOBAL	DEFAULT	10	hash_initialize
91	000000	50	FUNC	GLOBAL	DEFAULT	0	wcstombs
92	000000	172	FUNC	GLOBAL	DEFAULT	0	readdir
93	01ff40	32	OBJECT	GLOBAL	DEFAULT	12	quoting_style_vals
94	0264d0	4	OBJECT	GLOBAL	DEFAULT	20	error_message_count
95	018868	51	FUNC	GLOBAL	DEFAULT	10	mempcpy
96	00d3fc	64	FUNC	GLOBAL	DEFAULT	10	last_component
97	000000	110	FUNC	GLOBAL	DEFAULT	0	fflush
98	000000	4	OBJECT	GLOBAL	DEFAULT	0	__ctype_toupper
99	0140b8	104	FUNC	GLOBAL	DEFAULT	10	emit_bug_reporting_address
100	000000	50	FUNC	GLOBAL	DEFAULT	0	mbstowcs
101	000000	384	FUNC	GLOBAL	DEFAULT	0	__umoddi3
102	000000	86	FUNC	GLOBAL	DEFAULT	0	lseek
103	00e810	316	FUNC	GLOBAL	DEFAULT	10	hash_rehash
104	0258b4	4	OBJECT	GLOBAL	DEFAULT	19	ls_mode
105	011e9c	66	FUNC	GLOBAL	DEFAULT	10	quotearg_n_style
106	0196ec	205	FUNC	GLOBAL	DEFAULT	10	rpl_vfprintf
107	011b98	167	FUNC	GLOBAL	DEFAULT	10	quotearg_free
108	000000	73	FUNC	GLOBAL	DEFAULT	0	lstat
109	000000	7	FUNC	GLOBAL	DEFAULT	0	_call_init_routines_
110	000000	276	FUNC	GLOBAL	DEFAULT	0	__udivdi3
111	000000	81	FUNC	GLOBAL	DEFAULT	0	abort
112	011a2c	108	FUNC	GLOBAL	DEFAULT	10	quotearg_buffer
113	011a98	45	FUNC	GLOBAL	DEFAULT	10	quotearg_alloc
114	0264d4	4	OBJECT	GLOBAL	DEFAULT	20	error_print_progname
115	00412c	0	FUNC	GLOBAL	DEFAULT	8	_init
116	000000	38	FUNC	GLOBAL	DEFAULT	0	__freading
117	011e10	53	FUNC	GLOBAL	DEFAULT	10	quotearg_n_mem
118	00ff38	99	FUNC	GLOBAL	DEFAULT	10	umaxtostr
119	00fb5c	295	FUNC	GLOBAL	DEFAULT	10	getuidbyname
120	000000	43	FUNC	GLOBAL	DEFAULT	0	iswprint
121	0258d0	4	OBJECT	GLOBAL	DEFAULT	19	program_name
122	000000	53	FUNC	GLOBAL	DEFAULT	0	find_thread
123	013d44	65	FUNC	GLOBAL	DEFAULT	10	nstrftime
124	000000	32	FUNC	GLOBAL	DEFAULT	0	strrchr
125	000000	44	FUNC	GLOBAL	DEFAULT	0	signal
126	01925c	67	FUNC	GLOBAL	DEFAULT	10	_obstack_begin
127	000000	510	FUNC	GLOBAL	DEFAULT	0	calloc
128	0109ac	39	FUNC	GLOBAL	DEFAULT	10	set_quoting_style
129	00e0e8	51	FUNC	GLOBAL	DEFAULT	10	hash_string
130	011ee0	68	FUNC	GLOBAL	DEFAULT	10	quotearg_n_style_mem
131	00fa2c	78	FUNC	GLOBAL	DEFAULT	10	human_options
132	000000	41	FUNC	GLOBAL	DEFAULT	0	wmemchr
133	010988	36	FUNC	GLOBAL	DEFAULT	10	get_quoting_style
134	019b88	13	FUNC	GLOBAL	DEFAULT	10	fseterr
135	000000	35	FUNC	GLOBAL	DEFAULT	0	__ctype_get_mb_cur_max
136	000000	46	FUNC	GLOBAL	DEFAULT	0	fprintf
137	0258c0	4	OBJECT	GLOBAL	DEFAULT	19	exit_failure

138	000000	154	FUNC	GLOBAL	DEFAULT	0	fputs_unlocked
139	00d4a0	9	FUNC	GLOBAL	DEFAULT	10	file_has_acl
140	0143d0	111	FUNC	GLOBAL	DEFAULT	10	xstrdup
141	000000	45	FUNC	GLOBAL	DEFAULT	0	strcat
142	00fc84	222	FUNC	GLOBAL	DEFAULT	10	getgroup
143	019888	336	FUNC	GLOBAL	DEFAULT	10	locale_charset
144	000000	93	FUNC	GLOBAL	DEFAULT	0	sigismember
145	00dd44	13	FUNC	GLOBAL	DEFAULT	10	hash_get_n_entries
146	010a74	71	FUNC	GLOBAL	DEFAULT	10	set_custom_quoting
147	000000	186	FUNC	WEAK	DEFAULT	0	__deregister_frame_info
148	00dd34	13	FUNC	GLOBAL	DEFAULT	10	hash_get_n_buckets_used
149	000000	109	FUNC	GLOBAL	DEFAULT	0	fseeko
150	019118	52	FUNC	GLOBAL	DEFAULT	10	rpl_mktime
151	00dda0	88	FUNC	GLOBAL	DEFAULT	10	hash_table_ok
152	00d700	284	FUNC	GLOBAL	DEFAULT	10	mfile_name_concat
153	000000	85	FUNC	GLOBAL	DEFAULT	0	nl_langinfo
154	00e408	172	FUNC	GLOBAL	DEFAULT	10	hash_clear
155	000000	52	FUNC	GLOBAL	DEFAULT	0	memchr
156	01435c	55	FUNC	GLOBAL	DEFAULT	10	xcalloc
157	004900	100	FUNC	GLOBAL	DEFAULT	10	_start
158	018758	190	FUNC	GLOBAL	DEFAULT	10	rpl_lstat
159	000000	171	FUNC	GLOBAL	DEFAULT	0	strstr
160	011e70	44	FUNC	GLOBAL	DEFAULT	10	quotearg_mem
161	000000	4	OBJECT	GLOBAL	DEFAULT	0	argv_save
162	000000	12	FUNC	GLOBAL	DEFAULT	0	dirfd
163	000000	100	FUNC	GLOBAL	DEFAULT	0	iswctype
164	000000	116	FUNC	GLOBAL	DEFAULT	0	strcoll
165	000000	59	FUNC	GLOBAL	DEFAULT	0	strncmp
166	019b98	5547	FUNC	GLOBAL	DEFAULT	10	vasnprintf
167	00fa7c	222	FUNC	GLOBAL	DEFAULT	10	getuser
168	01033c	127	FUNC	GLOBAL	DEFAULT	10	ambsalign
169	000000	400	FUNC	GLOBAL	DEFAULT	0	wcwidth
170	000000	346	FUNC	GLOBAL	DEFAULT	0	realloc
171	0252d0	4	OBJECT	GLOBAL	DEFAULT	19	_gSharedObjectHaikuABI
172	00df1c	103	FUNC	GLOBAL	DEFAULT	10	hash_lookup
173	010894	165	FUNC	GLOBAL	DEFAULT	10	set_program_name
174	00e94c	390	FUNC	GLOBAL	DEFAULT	10	hash_insert_if_absent
175	0142a0	85	FUNC	GLOBAL	DEFAULT	10	xrealloc
176	018568	139	FUNC	GLOBAL	DEFAULT	10	rpl_getopt_internal
177	0177e8	3454	FUNC	GLOBAL	DEFAULT	10	_getopt_internal_r
178	0186ec	64	FUNC	GLOBAL	DEFAULT	10	_getopt_long_only_r
179	01093c	75	FUNC	GLOBAL	DEFAULT	10	clone_quoting_options
180	00d15c	103	FUNC	GLOBAL	DEFAULT	10	__xargmatch_internal
181	000000	152	FUNC	GLOBAL	DEFAULT	0	strdup
182	000000	7	FUNC	GLOBAL	DEFAULT	0	_init_c_library_
183	0193e0	41	FUNC	GLOBAL	DEFAULT	10	_obstack_allocated_p
184	014b44	842	FUNC	GLOBAL	DEFAULT	10	xstrtoumax
185	000000	254	FUNC	GLOBAL	DEFAULT	0	__fixunsxfdi
186	000000	90	FUNC	GLOBAL	DEFAULT	0	gettimeofday
187	025960	0	NOTYPE	GLOBAL	DEFAULT	65521	__bss_start
188	000000	45	FUNC	GLOBAL	DEFAULT	0	localtime
189	000000	10	FUNC	GLOBAL	DEFAULT	0	memset
190	005030	1791	FUNC	GLOBAL	DEFAULT	10	main
191	00d234	30	FUNC	GLOBAL	DEFAULT	10	close_stdout_set_ignore_EPIPE
192	00d048	276	FUNC	GLOBAL	DEFAULT	10	argmatch_valid
193	000000	158	FUNC	GLOBAL	DEFAULT	0	mbsrtowcs
194	000000	392	FUNC	GLOBAL	DEFAULT	0	wctype
195	0258e0	36	OBJECT	GLOBAL	DEFAULT	19	quoting_style_args
196	000000	237	FUNC	GLOBAL	DEFAULT	0	fclose
197	0258bc	4	OBJECT	GLOBAL	DEFAULT	19	argmatch_die
198	000000	88	FUNC	GLOBAL	DEFAULT	0	opendir
199	011f24	44	FUNC	GLOBAL	DEFAULT	10	quotearg_style
200	000000	90	FUNC	GLOBAL	DEFAULT	0	__assert_fail
201	0252c8	1	OBJECT	GLOBAL	DEFAULT	19	__gHaikuStartupCode
202	000000	24	FUNC	GLOBAL	DEFAULT	0	_errnop

203	019ab4	70	FUNC	GLOBAL	DEFAULT	10	rpl_fflush
204	0141b4	134	FUNC	GLOBAL	DEFAULT	10	x2nrealloc
205	0264dc	4	OBJECT	GLOBAL	DEFAULT	20	rpl_optarg
206	013d88	577	FUNC	GLOBAL	DEFAULT	10	version_etc_arn
207	012090	86	FUNC	GLOBAL	DEFAULT	10	quotearg_n_custom_mem
208	000000	41	FUNC	GLOBAL	DEFAULT	0	strcmp
209	02595c	4	OBJECT	GLOBAL	DEFAULT	19	obstack_alloc_failed_handler
210	000000	92	FUNC	GLOBAL	DEFAULT	0	getpwuid
211	01202c	44	FUNC	GLOBAL	DEFAULT	10	quotearg_colon_mem
212	000000	92	FUNC	GLOBAL	DEFAULT	0	getpwnam
213	01862c	63	FUNC	GLOBAL	DEFAULT	10	rpl_getopt_long
214	01be20	0	FUNC	GLOBAL	DEFAULT	11	_fini
215	014324	53	FUNC	GLOBAL	DEFAULT	10	xzalloc
216	012004	40	FUNC	GLOBAL	DEFAULT	10	quotearg_colon
217	000000	46	FUNC	GLOBAL	DEFAULT	0	sprintf
218	00ee40	2711	FUNC	GLOBAL	DEFAULT	10	human_readable
219	000000	76	FUNC	GLOBAL	DEFAULT	0	strerror_r
220	012058	55	FUNC	GLOBAL	DEFAULT	10	quotearg_n_custom
221	000000	55	FUNC	GLOBAL	DEFAULT	0	__cmpdi2
222	00e1a8	42	FUNC	GLOBAL	DEFAULT	10	hash_reset_tuning
223	000000	42	FUNC	GLOBAL	DEFAULT	0	atexit
224	000000	25	FUNC	GLOBAL	DEFAULT	0	sigemptyset
225	0120e8	45	FUNC	GLOBAL	DEFAULT	10	quotearg_custom
226	000000	532	FUNC	GLOBAL	DEFAULT	0	setlocale
227	014394	57	FUNC	GLOBAL	DEFAULT	10	xmemdup
228	000000	4	OBJECT	GLOBAL	DEFAULT	0	stderr
229	015050	104	FUNC	GLOBAL	DEFAULT	10	error
230	00d67c	45	FUNC	GLOBAL	DEFAULT	10	filemodestring
231	0185f4	54	FUNC	GLOBAL	DEFAULT	10	rpl_getopt
232	000000	90	FUNC	GLOBAL	DEFAULT	0	putchar_unlocked
233	000000	122	FUNC	GLOBAL	DEFAULT	0	fputc
234	00d33c	70	FUNC	GLOBAL	DEFAULT	10	dir_len
235	0103bc	114	FUNC	GLOBAL	DEFAULT	10	gnu_mbswidth
236	00cd64	227	FUNC	GLOBAL	DEFAULT	10	areadlink_with_size
237	0258b8	4	OBJECT	GLOBAL	DEFAULT	19	Version
238	0186ac	63	FUNC	GLOBAL	DEFAULT	10	rpl_getopt_long_only
239	000000	132	FUNC	GLOBAL	DEFAULT	0	localtime_r
240	000000	110	FUNC	GLOBAL	DEFAULT	0	fflush_unlocked
241	000000	100	FUNC	GLOBAL	DEFAULT	0	strftime
242	000000	64	FUNC	GLOBAL	DEFAULT	0	localeconv
243	025950	4	OBJECT	GLOBAL	DEFAULT	19	rpl_optind
244	000000	102	FUNC	GLOBAL	DEFAULT	0	fwrite_unlocked
245	00dfcc	101	FUNC	GLOBAL	DEFAULT	10	hash_get_next
246	019660	139	FUNC	GLOBAL	DEFAULT	10	stpncpy
247	000000	161	FUNC	GLOBAL	DEFAULT	0	fwrite
248	025960	0	NOTYPE	GLOBAL	DEFAULT	65521	_edata
249	00dc0c	90	FUNC	GLOBAL	DEFAULT	10	gettime
250	00fe8c	171	FUNC	GLOBAL	DEFAULT	10	imaxtostr
251	0264e0	0	NOTYPE	GLOBAL	DEFAULT	65521	_end
252	000000	62	FUNC	GLOBAL	DEFAULT	0	tcgetpgrp
253	00e4b4	233	FUNC	GLOBAL	DEFAULT	10	hash_free
254	0173f8	631	FUNC	GLOBAL	DEFAULT	10	gnu_fnmatch
255	01940c	118	FUNC	GLOBAL	DEFAULT	10	_obstack_free
256	014a1c	67	FUNC	GLOBAL	DEFAULT	10	xstrtol_fatal
257	000000	65	FUNC	GLOBAL	DEFAULT	0	exit
258	000000	88	FUNC	GLOBAL	DEFAULT	0	towlower
259	000000	92	FUNC	GLOBAL	DEFAULT	0	getgrnam
260	00d214	30	FUNC	GLOBAL	DEFAULT	10	close_stdout_set_file_name
261	00d6ac	59	FUNC	GLOBAL	DEFAULT	10	file_name_concat
262	0142f8	44	FUNC	GLOBAL	DEFAULT	10	x2realloc
263	01866c	64	FUNC	GLOBAL	DEFAULT	10	_getopt_long_r
264	0264d8	4	OBJECT	GLOBAL	DEFAULT	20	error_one_per_line
265	0109d4	112	FUNC	GLOBAL	DEFAULT	10	set_char_quoting
266	000000	18	FUNC	GLOBAL	DEFAULT	0	ferror_unlocked
267	000000	57	FUNC	GLOBAL	DEFAULT	0	fileno

268	000000	540	FUNC	GLOBAL	DEFAULT	0	__moddi3
269	011f80	83	FUNC	GLOBAL	DEFAULT	10	quotearg_char_mem
270	011f50	45	FUNC	GLOBAL	DEFAULT	10	quotearg_style_mem
271	000000	37	FUNC	GLOBAL	DEFAULT	0	_exit
272	018818	78	FUNC	GLOBAL	DEFAULT	10	rpl_mbrtowc
273	000000	49	FUNC	GLOBAL	DEFAULT	0	wcscat
274	000000	73	FUNC	GLOBAL	DEFAULT	0	stat
275	01b144	312	FUNC	GLOBAL	DEFAULT	10	printf_fetchargs
276	00d43c	99	FUNC	GLOBAL	DEFAULT	10	base_len
277	00d384	117	FUNC	GLOBAL	DEFAULT	10	mdir_name
278	014e90	96	FUNC	GLOBAL	DEFAULT	10	rpl_calloc
279	025958	4	OBJECT	GLOBAL	DEFAULT	19	rpl_optopt
280	00ddf8	218	FUNC	GLOBAL	DEFAULT	10	hash_print_statistics
281	000000	37	FUNC	GLOBAL	DEFAULT	0	strchr
282	000000	93	FUNC	GLOBAL	DEFAULT	0	wcswidth
283	000000	206	FUNC	GLOBAL	DEFAULT	0	fputs
284	00dd24	13	FUNC	GLOBAL	DEFAULT	10	hash_get_n_buckets
285	0195bc	164	FUNC	GLOBAL	DEFAULT	10	rpl_stat
286	000000	102	FUNC	GLOBAL	DEFAULT	0	closedir
287	000000	90	FUNC	GLOBAL	DEFAULT	0	fcntl
288	010078	708	FUNC	GLOBAL	DEFAULT	10	mbsalign
289	000000	4	OBJECT	GLOBAL	DEFAULT	0	__ctype_tolower
290	000000	147	FUNC	WEAK	DEFAULT	0	__register_frame_info
291	0252cc	4	OBJECT	GLOBAL	DEFAULT	19	_gSharedObjectHaikuVersion
292	0197bc	160	FUNC	GLOBAL	DEFAULT	10	close_stream
293	018c50	1221	FUNC	GLOBAL	DEFAULT	10	mktime_internal
294	000000	73	FUNC	GLOBAL	DEFAULT	0	fstat
295	000000	86	FUNC	GLOBAL	DEFAULT	0	sigaddset
296	014478	257	FUNC	GLOBAL	DEFAULT	10	xnumtoumax
297	000000	77	FUNC	GLOBAL	DEFAULT	0	raise
298	000000	221	FUNC	GLOBAL	DEFAULT	0	free
299	000000	27	FUNC	GLOBAL	DEFAULT	0	mbsinit