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02/19/71

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as_	04/30/70	user control
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ascevl_	*	command utility (alm)
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asin_	*	math library
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ask_		(author-maintained)
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asu_	04/30/70	user control
aswa_	04/28/70	user control

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*No for backup subsystem*

atan2_	*	math library
attach_table	05/13/70	user-ring I/O
BINOUT	see ALPNUM	
backup_build_tree	06/04/70	backup
backup_cleanup	06/16/70	backup
backup_dump	06/15/70	backup
backup_dump_recurse	06/15/70	backup
backup_load	01/12/70	backup
backup_load_dir_list	06/15/70	backup
backup_map_	06/15/70	backup
backup_sort	*	backup
backup_static_	06/15/70	backup
backup_util	06/12/70	backup
basic	see MPM	command
basic_	02/12/70	old basic (obsolete)
basic_seg	02/12/70	old basic (obsolete)
basic_sys	02/12/70	old basic (obsolete)
basic_util	02/12/70	old basic (obsolete)
bclib1		(author-maintained)
bcpl_driver		(author-maintained)
bcplgl		(author-maintained)
bcplp11		(author-maintained)
bin_dec	* 04/22/69	obsolete
bin_oct	* 04/22/69	obsolete
bindarchive	see MPM	command
binder_	01/14/71	command utility (bind)
binder_data_	*	command utility (binder)
bk_input	01/26/71	backup
bk_output	08/28/70	backup
blast	*	bos
bool_	*	obsolete (ep1 library)
boot	*	bos
bootstrap1	12/16/70	system initialization
bootstrap2	07/14/70	system initialization
bosequ	*	bos
boundfault	*	segment control
branch_info_	*	directory control
bsfx_	*	obsolete
bsys	see MPM	command
bufi_	*	graphics
bufo	*	graphics
bufo_	*	graphics
build_template_dsegs	02/04/70	system initialization (SC)
build_template_pdf	*	system initialization (TC)
build_template_pds	02/05/71	system initialization (TC)
cabs_	*	math library
calc	see MPM	command
call_bos	*	processor control
call_in	*	obsolete
call_out	*	obsolete

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call_trace	* 04/22/69	probe (obsolete)
casin_	*	math library
catstr_	*	obsolete
cexp_	*	math library
cmap0		(author-maintained)
cmap1		(author-maintained)
cmap2		(author-maintained)
cmap3		(author-maintained)
changewdir		command
channel	see MPM	command
check	*	hardcore I/O
check_cd	*	hardcore I/O
check_fs_errcode_	09/09/70	card I/O
check_mst	07/27/70	command utility
check_path_name_	01/11/71	mst checker
check_priv_access_	05/29/70	command utility
check_star_	12/29/70	command utility
checker_	02/04/71	command utility
checker_print_	01/04/71	mst checker
checksum	02/01/71	mst checker
chkprint	*	hardcore I/O
chname	02/06/70	mst checker (off-line)
cl_dcm	04/21/70	directory control
cl_status	04/29/70	communication line DCM
cleanup	04/29/70	communication line DCM
clock_	01/04/71	command (tool)
clock_handler	see MPM	user subroutine
clock_init	12/22/70	processor control
clog_	02/09/70	system initialization
clseg	*	math library
code_	*	communication line DCM
com_err	*	math library
com_query_ - should be DEV	see MPM	command utility
command_arg	12/30/70	command utility
command_processor_	* 04/30/69	obsolete
common	03/26/70	command utility
comp_acc_	*	bos
compare_ascii	06/26/70	command utility (binder)
compare_trap	see MPM	command
compute_link_info_	11/03/70	hardcore debugging
condition_	06/26/70	command utility (binder)
config	see MPM	user subroutine
console_output	*	bos
conv	see file_output	command utility (binder)
convert_360_fortran	*	bos
convert_360_pl1		(author-maintained)
copy		(author-maintained)
copy_acl_	see MPM	command
	see MPM	command utility (copy, etc.)

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copy_mst	01/12/70	command
copy_names_	see MPM	command utility (copy, etc.)
copy_seg_	see MPM	command utility
copy_words	01/22/71	command (tool)
core	*	bos
cpg_	05/08/70	user control
cpseg	*	card I/O
cptr	* 04/22/69	probe (obsolete)
crawl_out	*	processor control
create	see MPM	command (FS)
<u>create_ips_mask_</u>	01/14/71	user subroutine
createdir	see MPM	command (FS)
crossref	02/09/70	mst checker (obsolete)
crossref_	01/08/71	mst checker (on-line)
csin_	*	math library
csqrt_	*	math library
ctl_char	*	obsolete
cu_	09/09/70	command utility
cu_	see MPM	command utility
cv_		(author-maintained)
cv_bin_	see MPM	user subroutine
cv_dec_	see MPM	user subroutine
cv_float_	*	user subroutine
cv_oct_	see cv_dec_	
cv_persmf	11/27/70	user control
cv_pmf	12/04/70	user control
cv_smf	11/25/70	user control
cv_string	*	obsolete
cvadd	*	bos
cxpl_	*	math library
daemon_exec_	*	translator daemon
daemon_init	*	translator daemon
daemon_sig_hand_	*	translator daemon
dart_compiler_prepare_	02/02/71	Dartmouth sub-system
dart_io_mmes_	10/14/70	Dartmouth sub-system
dart_non_trapping_mmes_	10/14/70	Dartmouth sub-system
dart_open_mme_	10/14/70	Dartmouth sub-system
dart_trapping_mmes_	10/14/70	Dartmouth sub-system
dartmouth_card_process	11/06/70	Dartmouth sub-system
dartmouth_catalog_	02/02/71	Dartmouth sub-system
dartmouth_data_	11/23/70	Dartmouth sub-system
<u>dartmouth_initializer_</u>	12/28/70	Dartmouth sub-system
dartmouth_mme_handler_	02/02/71	Dartmouth sub-system
dartmouth_overseer_	12/31/70	Dartmouth sub-system
dasin_	*	math library
dasih_	*	math library
datan2_	*	math library
? (date_deleter	*	card I/O
date_time_	see MPM	user subroutine
datmk_	*	linker control

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<u>Module</u>	<u>Published</u>	
datmk_util_	*	linker control
db_alm	*	command utility (debug)
db_assign	*	command utility (debug)
db_break	*	command utility (debug)
db_data	*	command utility (debug)
db_get_count	*	command utility (debug)
db_print	*	command utility (debug)
db_reg	*	command utility (debug)
db_sym	*	command utility (debug)
dbi	*	command utility (debug)
dc_pack	*	prelinker
dct_sym	02/09/70	directory control
deact_proc	*	system initialization (I/O)
deactivate	12/09/70	traffic control
debug	02/03/71	segment control
debug_data	see MPM	command
debug_util	* 04/22/69	probe (obsolete)
dec_bin_	* 04/22/69	probe (obsolete)
decam	*	obsolete
decevl_	see MPM	command
deck_seg	*	command utility (alm)
decode_object_	*	gecos_seg
decode_socket_	see MPM	user subroutine
decsub_	01/04/71	user subroutine (IMP)
<u>default_error_handler_</u>	*	command utility (alm)
del_dir_tree	05/18/70	command utility
del_list_proc	04/24/69	directory control
delentry	04/01/70	library updater
delete	05/18/70	directory control
delete_segs	see MPM	command (FS)
deleteacl	12/14/70	system initialization
deletecacl	see MPM	command (FS)
deletedir	see deleteacl	
deletemode	see MPM	command (FS)
deletemode	see MPM	command (FS)
deletemode	see MPM	command (FS)
derf_	*	math library
detcirtser__ep1bsa	*	obsolete
dexerfc_	*	math library
dexp_	*	math library
dhodh_	*	math library
dial_ctl_	05/08/70	user control
dialup_	01/28/71	user control
die	04/30/70	user control
diexp_	*	bos
dir_cleanup	12/09/70	PL/I run-time support
direct_output	10/05/70	directory control
disable_overflow	* 04/22/69	probe (obsolete)
dispatch_request	*	translator daemon
	* 04/22/69	probe (obsolete)

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dissassemble	*	command utility (debug)
dissect_object_	12/28/70	command utility (bind)
? + dl_handler_	01/08/71	command utility
dlog_	*	math library
dmod_	*	math library
dpg_	05/08/70	user control
dprint	see MPM	command
dpunch	see MPM	command
driver		(author-maintained)
drtmth_mme_names_	*	Dartmouth sub-system
drum_init	02/18/70	system initialization (I/O)
dsin_	*	math library
dsinh_	*	math library
dsqrt_	*	math library
dstint	*	hardcore IPC
dstm_	*	hardcore IPC
dsu170_control	01/04/71	hardcore I/O
dsu170_init	12/22/70	system initialization (I/O)
dsu270_control	see dsu170_control	
dsu270_init	12/22/70	system initialization (I/O)
dtan_	*	math library
dtanh_	*	math library
dump	*	bos
dump1	*	bos
dump_process	* 04/22/69	probe (obsolete)
dxp1_	*	math library
dxp2_	*	math library
eb_data_	*	command utility (alm)
edit_mst_header	07/27/70	command
edm	see MPM	command
edx_util_	11/12/70	command utility (qedx)
effmode	see appmode	
emergency_shutdown	02/03/71	shutdown
endfile	see MPM	command utility (fortran)
epl_signal_caller_	*	obsolete
eplbsa_driver	*	obsolete
eplbsa_version3	*	obsolete
equ	*	bos
equal_	see MPM	command utility
erase_seg_num_	06/26/70	command utility (binder)
erf_	*	math library
error	*	bos
? error_table_	see MPM	system data base
? -> error_table_compiler	*	command (tool)
esd	*	bos
eswa_	*	obsolete
exec_com	see MPM	command
exec_com	01/13/71	command utility (exec_com)
exec_com_	01/13/71	command utility (exec_com)
exerfc_	*	math library

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exit		see listen_
exp_	*	math library
expand	07/14/70	command
expand_	09/17/70	command utility (expand)
expand_path_	see MPM	user subroutine
expevl_	*	command utility (alm)
ext	*	gecos_seg
ext_link_	12/28/70	command utility (bind)
extract_def_	01/04/71	mst checker
fault_error	*	processor control
ffip	03/02/70	command utility (calc)
ffop	03/02/70	command utility (calc)
fiddle_	11/02/70	Dartmouth sub-system
file	02/12/70	FSIM
file_	*	FSIM
file_output	see MPM	command
file_output_unique		(author-maintained)
file_util	07/15/70	user subroutine (file_)
fim	*	processor control
find	05/29/70	system initialization
find_	02/01/71	directory control
find_acl_names_	07/27/70	command utility
find_command_	05/29/70	command utility
fix_linkage_section_	03/04/70	command utility (binder)
flipper	07/14/70	card I/O
flippermodule	*	card I/O
fliptab	*	card I/O
flush	12/04/70	command (tool)
fmt	*	bos
fndref_	09/21/70	command utility (binder)
formline_	02/04/71	user subroutine
fortran	see MPM	command
<del>free</del>	*	user data base
free_store_bit	07/30/69	salvager
freecore	11/30/70	reconfiguration
freen_	see MPM	user subroutine
fs_alloc	04/25/69	file system utility
fs_chname	see MPM	command (FS)
fs_get	12/01/70	segment control
fs_move	05/07/70	directory control
fs_search	07/30/69	linker control
fsdct	12/28/70	data base (FS)
fsm	12/11/70	command (tool)
ftn_compiler_0_	03/20/70	command utility (fortran)
ftn_compiler_1_	03/20/70	command utility (fortran)
ftn_compiler_2_	03/20/70	command utility (fortran)
ftn_compiler_data_	01/12/70	command utility (fortran)
ftn_io_binary_	*	command utility (fortran)

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ftn_io_format_	*	command utility (fortran)
ftn_io_init_	*	command utility (fortran)
ftn_io_input_	*	command utility (fortran)
ftn_io_namelist_	*	command utility (fortran)
ftn_io_output_	*	command utility (fortran)
ftnio_	*	command utility (fortran)
gate	*	hardcore protection
gate_data_	*	user subroutine (tool)
gate_error_	*	user-ring error handling
gecos_error	*	gecos_seg
gecos_punch	*	development tool
gecos_seg	*	gecos_seg
generate_def_	12/28/70	command utility (bind)
generate_mst	01/12/71	command (tool)
get_addr_	11/24/70	command utility (qedx)
get_aste	02/09/71	segment control
get_at_entry	see MPM	user-ring I/O
get_collection	* 04/16/69	mst checker (obsolete)
get_collection_	12/22/70	mst checker (on_line)
get_com_line	see MPM	command utility
get_count	*	obsolete
get_data_type	* 04/22/69	probe (obsolete)
get_debug_segment	* 04/22/69	probe (obsolete)
get_def_lth_	12/22/70	mst checker (on-line)
get_defptr	*	linker control
get_entry_name	see MPM	user subroutine (hcs_)
get_ext_sym_	07/14/70	command utility (binder)
get_group_id_	see MPM	user subroutine
get_library_ac_file	08/28/70	library updater
get_library_source	04/30/70	command (tool)
get_page_trace	see MPM	user subroutine (hcs_)
get_pathname	see MPM	active function
get_pdir_	see MPM	user subroutine
get_proc_id	02/04/71	file system utility
get_process_id_	see MPM	user subroutine
get_ptrs_	12/23/70	segment control
get_raw_access_	01/21/71	I/O Daemon
get_relinfo_	01/07/71	command utility (bind)
get_ring_	see MPM	user subroutine
get_sym_def_	07/14/70	command utility (binder)
getbit_	*	command utility (alm)
getcon	*	bos
getid_	*	command utility (alm)
getquota	see MPM	command (FS)
getuid	see get_proc_id	
gf_dump	10/15/70	graphics
gim1	*	hardcore I/O
gim2	*	hardcore I/O
gim3	02/03/71	hardcore I/O
gim4	*	hardcore I/O



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gim_alloc	02/03/71	hardcore I/O
gim_assign	*	hardcore I/O
GIQC Calls	see MPM	user subroutine
gioc	*	bos
giocl	*	bos
gioc_stat	*	hardcore I/O
global	see MPM	command
glpl_	*	command utility (alm)
gm	see generate_mst	
gm_data_	01/19/71	command utility (mst gen)
gm_error_	07/31/70	command utility (mst gen)
gm_path_list	01/21/71	command utility (mst gen)
gm_util_	07/31/70	command utility (mst gen)
gm_util_	07/31/70	command utility (mst gen)
gm_write_first_seg_	07/31/70	command utility (mst gen)
gr_print	*	command utility (debug)
gsc_	11/04/70	graphics
gsm_	11/10/70	graphics
gui_	*	graphics
hash	04/18/69	file system utility
hash_index	12/17/70	file system utility
hbound_	*	obsolete
hc_ipc	*	hardcore IPC
hcs_ -envics	*	hardcore protection
header_meld	04/01/70	library updater
help	see MPM	command
hold	see MPM	command
how_many_users	see MPM	command
hphcs_	* 10/21/69	hardcore protection
lexp_	*	math library
ii	12/22/70	processor control
imp_dim_	01/18/71	IMP DIM
imp_dim_buf_	01/28/71	IMP DIM
imp_gioc_	02/09/71	hardcore I/O
imp_status	01/28/71	IMP DIM
impseg_	01/12/71	hardcore I/O
incorporate_options_	12/28/70	command utility (bind)
ind	see MPM	command
index_	*	obsolete
init_admin_	12/21/70	process initialization
init_admin_util_	01/28/71	process initialization
init_branches	12/29/70	system initialization
init_collections	12/28/70	system initialization
init_proc	04/08/70	process initialization
init_processor	10/26/70	processor control
init_root_sys_info	07/27/70	system initialization
init_salv_fsdcts	* 07/30/69	salvager
init_sst	12/16/70	system initialization (FS)

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init_str_seg	* 04/17/69	system initialization
initialize_dims	02/19/70	system initialization (I/O)
initialize_faults	02/04/71	system initialization
initialize_gim	*	system initialization (I/O)
initialize_kst	* 04/17/69	system initialization (SC)
initializer	12/15/70	system initialization
initiate (command)	see MPM	command
initiate (hardcore)	see MPM	user subroutine (hcs_)
inputs_	*	command utility (alm)
insert_seg_num_	07/14/70	command utility (binder)
✓ install	11/16/70	command (tool)
int_link_	01/07/71	command utility (bind)
intflt	*	bos
io_compiler	see ioc	
io_daemon	01/28/71	I/O daemon
io_init	*	system initialization (I/O)
ioa_	see MPM	user subroutine
ioc	11/03/70	command (tool)
local1	see MPM	command (I/O)
iomode	see MPM	command (I/O)
ios_	see MPM	user subroutine
ios_	12/14/70	user subroutine
ios_util_	03/19/70	user subroutine (ios_)
ipc_	*	user-ring IPC
ipcprm_	*	user-ring IPC
✓ ips_	12/21/70	traffic control
kst	*	data base (FS)
kstsrch	06/29/70	segment control
lbound	*	obsolete
? legal_f_	*	command utility (debug)
? <del>legal_frame</del>	* 04/22/69	probe (obsolete)
level	*	hardcore utility
lg	*	obsolete
lg_ctl_	05/01/70	user control
✓ limited_command_system_	see lss_login_responder_	
line_length	see MPM	command (I/O)
lines	01/28/70	user control
link	see MPM	command (FS)
link_man	08/07/69	linker control
link_seg	*	gecos_seg
link_snap	08/06/69	linker control
link_unsnap	03/17/70	user subroutine
? <del>linkage_error</del>	* 04/16/69	user-ring error handling
lisp	01/28/71	command utility (lisp)
lisp_	01/26/71	command utility (lisp)
lisp_chars_fns_	02/02/71	command utility (lisp)
lisp_define_	01/26/71	command utility (lisp)
lisp_err_	01/26/71	command utility (lisp)
lisp_hash_function_	01/28/71	command utility (lisp)
lisp_io_	01/26/71	command utility (lisp)

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lisp_lex_	01/26/71	command utility (lisp)
lisp_oblisp_fns_	01/28/71	command utility (lisp)
lisp_utils_	01/28/71	command utility (lisp)
lisp_value_fns_	01/28/71	command utility (lisp)
list	see MPM	command (FS)
list_arg_	12/29/70	command utility (debug)
list_arguments	* 04/22/69	probe (obsolete)
list_dir	04/24/69	directory control
listacl	see MPM	command (FS)
listcaci	see listacl	
listen_	12/23/70	user environment
listnames	see list	
listtotals	see list	
litevl_	*	command utility (alm)
load	*	bos
load_system	04/17/69	system initialization
loaddm	*	bos
loading_summary	* 04/16/69	mst checker (obsolete)
loading_summary_	01/08/71	mst checker (on-line)
lock	09/17/70	hardcore utility
log_	*	math library
login	see MPM	user control
logout	see MPM	command (UC)
lot_maintainer	08/05/69	linker control
lower_case		(author-maintained)
lsm_	*	user subroutine
lsm_fs_	*	user subroutine
lsm_sym_	*	user subroutine
lss_command_list_	01/12/71	limited service system
lss_login_responder_	01/11/71	limited service system
lstman_	*	command utility (alm)
MATPAC	see ALPNUM	
machine_state	* 04/22/69	probe (obsolete)
mail	see MPM	command
make_bindmap_	12/28/70	command utility (bind)
make_branches	02/09/71	system initialization (FS)
make_commands	01/04/71	command (LSS)
make_defs_	12/28/70	command utility (bind)
make_fv_code	*	system initialization
make_obj_map_	see MPM	user subroutine (obsolete)
make_object_map_	02/01/71	user subroutine
make_sdw	06/26/70	system initialization
make_seg	see MPM	user subroutine (hcs_)
makeknown	02/09/71	segment control
makestack	02/05/71	hardcore protection
makeunknown	*	segment control
map_proc	04/01/70	library updater
master_mode_init	01/12/71	system initialization

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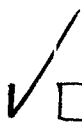
master_mode_ut	02/09/71	hardcore utility
master_pxss_page	12/16/70	page/traffic control
match_star_	10/21/70	directory control
mcc	02/18/70	card I/O
mccmodule	*	card I/O
merge_	*	command utility (alm)
meter_gate	05/01/70	command (tool)
mini_gim	* 06/23/70	hardcore I/O
mini_gim_init	02/03/71	system initialization (I/O)
modevl_	*	command utility (alm)
move_	see MPM	user subroutine
move_device	01/26/71	segment control
move_names_	see MPM	command utility (copy, etc.)
moveb	see MPM	command (FS)
movequota	see MPM	command (FS)
movstr_	*	obsolete
mqed		(author-maintained)
mr1		(author-maintained)
mr2		(author-maintained)
mr3		(author-maintained)
mr4		(author-maintained)
mr5		(author-maintained)
mr6		(author-maintained)
mrmain		(author-maintained)
ms_	* 07/31/69	obsolete
msl_add	11/20/70	command (tool)
msl_global_format	11/20/70	command (tool)
msl_info	11/23/70	command (tool)
msl_short_format	11/06/70	command (tool)
msl_transmog	11/06/70	command (tool)
msl_ud	12/01/70	command (tool)
msl_update	04/01/70	command utility (msl)
msl_util	12/09/70	command utility (msl)
msl_util1	11/02/70	command utility (msl)
mst_checker	01/11/71	mst checker (stand-alone)
multics_645_assembler_	*	obsolete
multics_wdir	*	obsolete
names	see MPM	command (FS)
nep_	01/12/71	hardcore I/O
nep_test	01/14/71	command (tool)
nd_handler_	02/01/71	command utility
net_	01/07/71	hardcore protection
new_include	04/30/70	command (tool)
new_proc	see MPM	command
nlib		(author-maintained)
not_ascii_	*	user control
nothing	01/12/70	command (tool)
nstd_	*	user-ring I/O
nstd_module	*	user-ring I/O
ntape	*	bos

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<u>Module</u>	<u>Published</u>	
nx		(author-maintained)
object	*	gecos_seg
object_	*	command utility (alm)
oct_bin_	*	obsolete
octevl_	*	command utility (alm)
octwd	*	bos
old_db_sym	*	obsolete
oplook_	*	command utility (alm)
page	12/10/70	page control
page_trace	see MPM	command (FS)
pakbit_	*	command utility (alm)
parity_check	08/13/70	processor control
parse_bindfile_	12/28/70	command utility (bind)
parse_file_	see MPM	user subroutine
parse_scan	* 04/22/69	probe (obsolete)
pass1_	*	command utility (alm)
pass2_	*	command utility (alm)
patch (BUS)	04/16/69	bos
patch (probe)	* 04/22/69	probe (obsolete)
patch_ring_zero	11/04/70	command (tool)
pc	12/23/70	page control
pc_abs	11/30/70	reconfiguration
pc_wired	12/04/70	page control
pd	see MPM	active function
pdf	02/01/71	processor control
pdir	*	obsolete
pds	01/11/71	processor control
periph_io	*	salvager/checker I/O
phcs_	* 10/20/69	hardcore protection
p11	see MPM	command
p11_operators	*	PL/I run-time support
p11_to_ep1	*	obsolete
p11d	02/03/71	command
p1m	03/19/70	traffic control
pops_645_	* 07/24/69	obsolete
postp1_	*	command utility (alm)
postp2_	*	command utility (alm)
ppmt	01/20/71	command (tool)
prchelp	*	obsolete
prds	02/09/71	processor control
prds_init	02/04/71	system initialization
pre_link_1	*	prelinker
pre_link_2	*	prelinker
pre_page_off	see pre_page_size	
pre_page_on	see pre_page_size	
pre_page_mode	see pre_page_size	
pre_page_size	see MPM	command (FS)
pref	*	gecos_seg

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pre\_page\_size

ModulePublished

print (BOS)	*	bos
print (Multics)	see MPM	command
print_args	* 04/22/69	probe (obsolete)
print_attach_table	see MPM	user-ring I/O
<del>print_dartmouth_library</del>	see MPM	Dartmouth sub-system
print_entry_usage	see MPM	command
print_it	* 04/22/69	probe (obsolete)
print_link_info	see MPM	command
print_linkage_usage	*	command
print_object_map	see MPM	command
<del>print_pdt</del>	11/25/70	command (UC)
<del>print_pnt</del>	11/25/70	command (UC)
<del>print_sat</del>	11/25/70	command (UC)
print_seg_info	* 04/22/69	probe (obsolete)
printer_dcm	02/17/70	hardcore I/O
printer_status	02/12/70	hardcore I/O
printhomedir	see MPM	command
printsearchdir	see MPM	command
printwdir	see MPM	command
prlst_	*	command utility (alm)
prnam_	*	command utility (alm)
prnter_	*	command utility (alm)
probe	* see MPM	obsolete
proc	*	bos
proc_brackets_	03/26/70	command utility
proc_info	*	hardcore error handling
proc_parens_	03/26/70	command utility
proc_quotes_	03/26/70	command utility
process_exec_com_string_	*	command utility (exec_com)
process_info	*	obsolete
process_input_string_	01/21/71	command utility (exec_com)
<u>process_overseer_</u>	12/22/70	user environment
<del>program_interrupt</del>	see MPM	command
prt_ccnv	02/12/70	hardcore I/O
prtdim	02/17/70	user-ring I/O
prtdim_	02/05/71	I/O daemon
prtseg	*	printer DCM
prwr_	02/02/71	command utility (alm)
ps		(author-maintained)
pulnk_	02/02/71	command utility (alm)
pun21	*	card I/O
pun21module	*	card I/O
punch	*	bos
pusmb_	02/02/71	command utility (alm)
putout_	*	command utility (alm)
putxt_	02/03/71	command utility (alm)
pxss	12/29/70	traffic control
qed0		(author-maintained)
qed1		(author-maintained)
qed2		(author-maintained)

<u>Module</u>	<u>Published</u>	
qed3		(author-maintained)
qedhdr		(author-maintained)
qedx	see MPM	command
qsbcp1		(author-maintained)
qsio		(author-maintained)
quit_process_id	* 04/22/69	probe (obsolete)
quota	* 11/14/69	quota control
quota_util	01/12/71	quota control
quotaw	06/29/70	quota control
random_		(author-maintained)
raw	02/18/70	card I/O
rawmodule	*	card I/O
rdr21	*	card I/O
rdr21module	*	card I/O
read_cards	02/18/70	I/O daemon
read_list_	see MPM	user subroutine
readacl	02/04/70	obsolete
readc	*	bos
readt	*	bos
ready	see ready_off	
ready_off	see MPM	command
ready_on	see ready_off	
rebuild_object_	12/28/70	command utility (bind)
reconfig	11/30/70	reconfiguration
reconfigure	11/23/70	reconfiguration
release	see MPM	command
reload	05/29/70	backup
relocate_segment_	07/14/70	command utility (binder)
rename	see MPM	command (FS)
reorder_archive	see MPM	command
repeat	04/30/70	command (tool)
replacer	04/01/70	library updater
rescue_sl1	*	system initialization
resignal	12/03/70	hardcore error handling
restor	*	bos
return_lisp_object_	01/27/71	command utility (lisp)
return_to		(author-maintained)
reverse_index_		(author-maintained)
reversion_	see MPM	user subroutine
ring0_get_	01/13/71	user subroutine (tool)
ring_0_peek	06/23/70	user subroutine (hcs_)
ring_zero_dump	11/09/70	command (tool)
round_	*	math library
roundb		(author-maintained)
rsw	*	mst checker (stand-alone)
rsw_	*	salvager
rsw_ckr_	01/04/71	mst checker
runoff		(author-maintained)

ModulePublished

rwd170	*	bos
rwd270	*	bos
rwdisk	*	bos
rwdrum	*	bos
rwsec	*	bos
salv	*	bos
salv_activator	06/23/70	salvager
salv_check_map	06/23/70	salvager
salv_check_ptr	06/23/70	salvager
salv_initializer	12/22/70	salvager
salv_name	06/23/70	salvager
salv_rebuild_acl	06/23/70	salvager
salv_rebuild_directory	06/23/70	salvager
salv_rebuild_names	06/23/70	salvager
salv_stat	12/22/70	salvager
salv_truncate	06/23/70	salvager
salvage_directory	06/26/70	salvager
salvage_entry	06/23/70	salvager
salvager	06/23/70	salvager
save	*	bos
scan	*	bos
scan_arg	*	command utility (debug)
scas_init	12/22/70	system initialization
scs	03/02/70	processor control
scs_init	03/19/70	system initialization
<del>search_dart_lib_</del>	12/04/70	Dartmouth sub-system
search_dup_entries	*	command utility (binder)
search_file_	11/16/70	command utility (qedx)
seg_control	*	gecos_seg
seg_fault	12/22/70	segment control
seg_in_octal	* 04/22/69	probe (obsolete) (author-maintained)
seg_usage		
segment_loader	06/23/70	system initialization
set	01/07/71	directory control
set_alarm	02/03/71	processor control
set_bit_count	see MPM	command (FS)
set_com_line	see MPM	command
<del>set_dartmouth_library</del>	see MPM	Dartmouth sub-system
setacl	see MPM	command (FS)
setacl	see setacl	
setcopysw	*	command (tool)
setfaults	02/02/71	segment control
sethomedir	see MPM	command
setid_	02/02/71	command utility (alm)
setpath	*	obsolete
setquota	01/29/70	command (admin)
setsearchdir	see MPM	command
setup	*	bos
shutdown	12/22/70	shutdown
signal_	see MPM	user subroutine



<u>Module</u>	<u>Published</u>	
signal_0	07/27/70	hardcore error handling
signaller	12/30/70	processor control
sim_fault	*	processor control
sin_	*	math library
sinh_	*	math library
size	*	obsolete
slt_manager	*	system initialization
smm	*	obsolete
sort_file	see MPM	command
source_update	*	library updater
special	*	old basic (obsolete)
sqrt_	*	math library
ssd	see setsearchdir	
sslt_init	* 04/16/69	mst checker (obsolete)
sslt_manager	*	mst checker
stack_frame_	02/10/70	obsolete
star_	*	directory control
start	see MPM	command
start_cpu	08/20/70	reconfiguration
start_dump	07/15/70	backup
start_process	*	traffic control
start_governor_	01/11/71	limited service system
status (command)	see MPM	command (FS)
status (hardcore)	*	directory control (obsolete)
status_	see MPM	user subroutine (hcs_)
stgop_	*	obsolete
sthdr_	*	command utility (alm)
stop_cpu	01/04/71	reconfiguration
stop_governor	see start_governor	
stop_process	*	traffic control
strcmp_	*	obsolete
stu_	see MPM	user subroutine
substr_	*	obsolete
sum	09/02/70	segment control
switch_stack	*	processor control
symval_	06/26/70	user subroutine (binder)
syn0		(author-maintained)
syn1		(author-maintained)
syn2		(author-maintained)
syn3		(author-maintained)
sys_info	<i>all re/luom incns . *</i>	system data base
sys_log_	01/28/71	user control
syserr	10/02/70	hardcore error handling
system_control_	05/08/70	user control
table_	*	command utility (alm)
tail_sheet_	02/08/71	I/O daemon
tan_	*	math library
tanh_	*	math library

ModulePublished

tape_data	*	tape DCM
tape_init	*	tape DCM
tape_io		02/09/71 system initialization (I/O)
tape_reader (hardcore)		01/12/71 system initialization (I/O)
tape_reader (checker)	*	mst checker (on-line)
taped	*	bos
tapesyn	*	bos
tbl	*	gecos_seg
tc_data	*	traffic control
tc_init		06/23/70 system initialization (TC)
tc_shutdown	*	05/01/69 shutdown
tcm		04/13/70 command (tool)
tdcm	*	tape DCM
tdcm_status	*	tape DCM
tdope_	*	obsolete
tdsm1		12/07/70 standard tape DSM
tdsm2		12/28/70 standard tape DSM
tdsm3		01/26/71 standard tape DSM
tdsm4		01/26/71 standard tape DSM
tdsm5		01/26/71 standard tape DSM
tdsm6		01/26/71 standard tape DSM
tdsm7		12/28/70 standard tape DSM
tdsm_		12/29/70 standard tape DSM
temp_mgr_		12/28/70 command utility (bind)
template_pit		02/02/71 traffic control
term_		see MPM user subroutine
terminate		see MPM command (FS)
terminate (hardcore)		see makeunknown
terminate_proc	*	processor control
test	*	bos
test_dialup		11/20/70 user control
text	*	gecos_seg
text_seg	*	gecos_seg
thread	*	04/24/69 file system utility
ti_		see MPM command utility
time	*	bos
timer_manager_		see MPM user subroutine
tio_	*	obsolete
toequ	*	bos
trace		01/12/71 hardcore I/O
trace_rsw		01/05/71 hardcore I/O
trans	*	bos
trans0		(author-maintained)
trans1		(author-maintained)
trans2		(author-maintained)
trans3		(author-maintained)
trans4		(author-maintained)
trans5		(author-maintained)
transform_command_		01/11/71 limited service system
translate_gate		03/12/70 command (tool)

<u>Module</u>	<u>Published</u>	
translator_daemon	01/21/71	translator daemon
trouble_report		(author-maintained)
truncate	04/30/70	directory control
tseg	12/04/70	tape DSM/DCM data base
ttm	04/13/70	command (tool)
tty_con	*	hardcore I/O
tty_ctl	01/06/71	hardcore I/O
tty_free	01/06/71	hardcore I/O
tty_index	*	hardcore I/O
tty_init	01/18/71	hardcore I/O
tty_inter	01/05/71	hardcore I/O
tty_lines	11/24/70	command (tool)
tty_macros	*	hardcore I/O
tty_read	01/08/71	hardcore I/O
tty_unlock	01/08/71	hardcore I/O
tty_write	01/08/71	hardcore I/O
ttydim_	03/02/70	user-ring I/O
ttyt	*	bos
tw_	*	user-ring I/O
uct	12/22/70	access control
uct_init	12/28/70	system initialization
unique_bits_	see MPM	user subroutine
unique_chars_	see MPM	user subroutine
unlink	see MPM	command (FS)
unpack_relbits_	11/16/70	command utility (binder)
unsnap_service	11/23/70	user subroutine (hcs_)
unwinder_	see MPM	user subroutine
up_pdt_	04/30/70	user control
up_pnt_	04/30/70	user control
up_sat_	05/06/70	user control
up_sysctl_	05/08/70	user control
update_bind	07/27/70	library updater
update_info	07/27/70	library updater
update_object	07/15/70	library updater
update_source	07/27/70	library updater
update_sst_pl1	02/09/71	system initialization
updateb	02/02/71	segment control
updater	04/03/70	library updater
user_info_	see MPM	user subroutine
usercode	07/14/70	access control
util	*	gecos_seg
util_	12/11/70	file system utility
utility_print	01/27/71	salvager/checker I/O
utils_	*	command utility (alm)
validate_arg	04/13/70	hardcore protection
varevl_	*	command utility (alm)
varst_	*	obsolete
verify_lock	*	file system utility

ModulePublished

vfdevl_	*	command utility (alm)
viipunch	02/18/70	card I/O
viipunchmodule	*	card I/O
wa_	*	obsolete
wd	see MPM	active function
where	see MPM	command (FS)
who	see MPM	command
who\$who_init	04/08/70	user subroutine
whoami_	* see MPM	user subroutine (obsolete)
wire_proc	01/28/71	reconfiguration
wired_fim	12/14/70	processor control
wired_plm	04/21/70	traffic control
wired_shutdown	03/19/70	shutdown
write_cs	*	obsolete
write_debug_line	* 04/22/69	probe (obsolete)
write_list_	see MPM	user subroutine (I/O)
writeacl	02/04/70	obsolete
xp2_	*	math library
xp3_	*	math library
xray	*	metering tool
xray_communications	*	processor control

Walter 3/26/71

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hcs \$ assign-linkage ✓  
\$ branch-info -

hcs \$ d attach  
detach  
read  
write

f.get-dir-name ✓  
gate-meter ✓  
get-author  
get-entry-name ✓  
get-ips-mask — ?  
get-page-trace ✓  
high-low-seq-count  
mask-ips — ?  
me-page-info ✓

~~coam-list~~  
coam-list  
-release  
-status

quota-get  
quota-move  
reset-working-set  
set-automatic-ips-mask — ?  
set-cpu-timer — ?  
set-ips-mask — ?  
unmask-ips — ?

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