Bell Laboratories

subject: UNIX Support Classifications for PG-1C300-01 Issue 2

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MEMORANDUM FOR FILE

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SUBJECT MATCH 02/ UNSD

1. Introduction

The UNIX Operating System Program Generic, PG-1C300-01 Issue 2, contains over 600 pidents. A support classification system has been established to distinguish between those pidents having highest priority support and pidents having lower levels of support. Each pident has been assigned to one of three support classifications based on its relative importance and maintainability. The purpose of this document is to define support classifications and to assign pidents to these classifications.

2. Support Classifications

Pidents are assigned to one of three support classifications: A, B, or C. Appendix A indicates the support classification for each pident in the UNIX Program Generic. Support classifications are defined as follows.

2.1. Class A

Class A, the highest level of support priority, is reserved for pidents of central importance to the UNIX Operating System. In particular, this includes header files, the operating system, and I/O drivers considered most essential. Pidents assigned to Class A will be given the following considerations:

1. Provide source code on magnetic tape or disk and supply listings in standard Bell System Program Documentation Format (PR document).

2. Provide application documentation in standard Bell System Program Documentation Format (PA document).

3. Provide descriptive documentation in standard Bell System Program Documentation Format that explains the internal operation of the pident and how it relates to the system as a whole (PD and PK documents).

4. Fix program bugs and consider functional enhancements. Bug fixing for Class A pidents will take preference over all other classifications.

2.2. Class B

Class B is the second highest priority class of pidents. Pidents in this class are considered important to the operation of a UNIX system but not as critical as those assigned to Class A. Pidents in Class B will be supported as follows:

1. Provide source code on magnetic tape or disk and supply listings in standard Bell System Program Documentation Format (PR document).

2. Provide application documentation in standard Bell System Program Documentation Format (PA document).

3. Bug fixes and functional enhancements will be given second priority (after Class A).

2.3. Class C

Class C is the lowest support-priority classification for pidents in the UNIX Operating System Program Generic. Pidents in this class are not essential to the operation of a UNIX System. The use of Class C pidents in field systems is not encouraged. Class C pidents are supported as follows:

1. Provide source code on magnetic tape or disk and supply listings in standard Bell System Program Documentation Format (PR document).

2. Provide application documentation in standard Bell System Program Documentation Format (PA document).

3. Bug fixing will NOT be provided.

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FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
a_table	lexgen1	C	a_table01	345	LEX TABLE
aabal.c	agen	C	aabal01	341	BALANCED SEARCH
aabin.c	agen	C	aabin01	341	BINARY TREE SEARCH
aahash.c	agen	C	aahash01	341	HASH TABLE SEARCH
aasub.c	agen	C	aasub01	341	COMMON SUBROUTINES
abort.s	clib1	B	abort01	321	STOP PROCESS
abs.s	fclib1	C	abs01	336	ABSOLUTE FORTRAN FUNCTION
ac.c	cmd1	B	ac01	313	LOGIN ACCOUNTING
access.c	lexgen1	C	access01	345	LEX ARRAY ACCESSOR
acts.c	cref2	B	acts01	343	TABLE ACCESS
aimag.s	fclib1	C	aimag01	336	IMAGINARY FORTRAN FUNCTION
aint.s	fclib1	C	aint01	336	INTEGER FORTRAN FUNCTION
al.c	agen	C	al01	341	AGEN 'LEX'
alarm.s	clib1	B	alarm01	321	ALARM CLOCK TIMER
allfuncs	cref1	B	allfuncs01	342	LIST OF FUNCTIONS
alloc.c	opsys	A	alloc01	301	DISK ALLOCATOR
alloc.s	clib1	B	alloc01	321	CORE ALLOCATOR
allvars	cref1	B	allvars01	342	LIST OF VARIABLES
alog.s	fclib1	C	alog01	336	LOGARITHM FORTRAN FUNCTION
alog10.s	fclib1	C	alog1001	336	LOGARITHM PASS 2 FORTRAN FUNCTION
amax0.s	fclib1	C	amax001	336	MAXIMUM PART 1 FORTRAN FUNCTION
amax1.s	fclib1	C	amax101	336	MAXIMUM PART 2 FORTRAN FUNCTION
amin0.s	fclib1	C	amin001	336	MINIMUM PART 1 FORTRAN FUNCTION
amin1.s	fclib1	C	amin101	336	MINIMUM PART 2 FORTRAN FUNCTION
amod.s	fclib1	C	amod01	336	MODULO FORTRAN FUNCTION
anoth.c	lexgen1	C	anoth01	345	LEX ACTION DIFFERENCE STORER
ar.c	cmd1	B	ar01	313	ARCHIVE AND LIBRARY MAINTAINER
as11.s	as	B	as1101	304	PASS 1 PART 1 ASSEMBLER
as12.s	as	B	as1201	304	PASS 1 PART 2 ASSEMBLER
as13.s	as	B	as1301	304	PASS 1 PART 3 ASSEMBLER
as14.s	as	B	as1401	304	PASS 1 PART 4 ASSEMBLER
as15.s	as	B	as1501	304	PASS 1 PART 5 ASSEMBLER
as16.s	as	B	as1601	304	PASS 1 PART 6 ASSEMBLER
as17.s	as	B	as1701	304	PASS 1 PART 7 ASSEMBLER
as18.s	as	B	as1801	304	PASS 1 PART 8 ASSEMBLER
as19.s	as	B	as1901	304	PASS 1 PART 9 ASSEMBLER
as21.s	as	B	as2101	304	PASS 2 PART 1 ASSEMBLER

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
as22.s	as	B	as2201	304	PASS 2 PART 2 ASSEMBLER
as23.s	as	B	as2301	304	PASS 2 PART 3 ASSEMBLER
as24.s	as	B	as2401	304	PASS 2 PART 4 ASSEMBLER
as25.s	as	B	as2501	304	PASS 2 PART 5 ASSEMBLER
as26.s	as	B	as2601	304	PASS 2 PART 6 ASSEMBLER
as27.s	as	B	as2701	304	PASS 2 PART 7 ASSEMBLER
as28.s	as	B	as2801	304	PASS 2 PART 8 ASSEMBLER
as29.s	as	B	as2901	304	PASS 2 PART 9 ASSEMBLER
asym	cref2	B	asym01	343	ASSEMBLER SYMBOLS
atable	cref2	B	atable01	343	ASSEMBLER TABLE
atan.s	aslib1	B	atan01	319	ARC TANGENT FUNCTION
atan.s	fclib1	C	atan01	336	ARC TANGENT FORTRAN FUNCTION
atan2.s	fclib1	C	atan201	336	ARC TANGENT 2 - ARGUMENT FORTRAN FUNCTION
atof.s	aslib1	B	atof01	319	ASCII TO FLOATING
atof.s	clib1	B	atof01	321	ASCII TO FLOATING
atoi.c	clib1	B	atoi01	321	ASCII TO INTEGER INPUT CONVERSION
atoi.s	aslib1	B	atoi01	319	ASCII TO INTEGER
auto.c	lexgen1	C	auto01	345	LEX RULE AUTOMATON
ay.c	agen	C	ay01	341	AGEN 'YACC'
bas0.s	bas	C	bas001	305	PART 0 BASIC
bas1.s	bas	C	bas101	305	PART 1 BASIC
bas2.s	bas	C	bas201	305	PART 2 BASIC
bas3.s	bas	C	bas301	305	PART 3 BASIC
bas4.s	bas	C	bas401	305	PART 4 BASIC
bas5.s	bas	C	bas501	305	PART 5 BASIC
basx.s	bas	C	basx01	305	PART 6 BASIC
bc.c	dc	B	bc01	307	INTERACTIVE LANGUAGE CONVERTER
bio.c	io1	A	bio01	302	BLOCK I/O
buf.h	head	A	buf01	300	SYSTEM BUFFER HEADER
c00.c	cc	B	c0001	328	PASS 1 PART 0 C COMPILER
c01.c	cc	B	c0101	328	PASS 1 PART 1 C COMPILER
c02.c	cc	B	c0201	328	PASS 1 PART 2 C COMPILER
c03.c	cc	B	c0301	328	PASS 1 PART 3 C COMPILER
c04.c	cc	B	c0401	328	PASS 1 PART 4 C COMPILER
c0h.c	cc	B	c0h01	328	PASS 1 HEADER FILE C COMPILER
c0t.s	cc	B	c0t01	328	PASS 1 C COMPILER TABLES
c10.c	cc	B	c1001	328	PASS 2 PART 0 C COMPILER

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
c11.c	cc	B	c1101	328	PASS 2 PART 1 C COMPILER
c12.c	cc	B	c1201	328	PASS 2 PART 2 C COMPILER
c13.c	cc	B	c1301	328	PASS 2 PART 3 C COMPILER
c1h.c	cc	B	c1h01	328	PASS 2 HEADER FILE C COMPILER
c1t.s	cc	B	c1t01	328	PASS 2 C COMPILER TABLES
c20.c	cc	B	c2001	328	OBJECT CODE IMPROVER, PART 1
c21.c	cc	B	c2101	328	OBJECT CODE IMPROVER, PART 2
c2h.c	cc	B	c2h01	328	HEADER FOR OBJECT CODE IMPROVER
cabs.s	fclib2	C	cabs01	337	ABSOLUTE FORTRAN FUNCTION
cal.c	cmd1	B	cal01	313	PRINT CALENDAR
calloc.c	portc1	B	calloc01	348	PORTABLE C, MULTIPULE OBJECT STORAGE ALLOCATION
cat.s	cmd1	B	cat01	313	CONCATENATE AND PRINT
cc.c	cmd1	B	cc01	313	C COMPILER
cclose.c	portc1	B	cclose01	348	PORTABLE C, CLOSE A FILE
ccmn.c	cref2	B	ccmn01	343	C HEADER
ccos.f	fclib2	C	ccos01	337	COSINE FORTRAN FUNCTION
cctab.s	cc	B	cctab01	328	C TABLES - SET CONDITION CODES
cdb.c	cmd1	B	cdb01	313	C DEBUGGER
ceof.c	portc1	B	ceof01	348	PORTABLE C, END OF FILE MONITOR
cerr2.c	portc1	B	cerr201	348	PORTABLE C, ERROR REPORT 2
cerror.c	portc1	B	cerror01	348	PORTABLE C, ERROR REPORT
cerror.s	clib1	B	cerror01	321	ERROR RETURN SEQUENCE
cexit.c	portc1	B	cexit01	348	PORTABLE C, TERMINATE EXECUTION
cexp.f	fclib2	C	cexp01	337	EXPONENTIAL FORTRAN FUNCTION
cflush.c	portc1	B	cflush01	348	PORTABLE C, BUFFER FLUSH
cform	lexcl	C	cform01	344	LEXLIB FORMATTER
cform.c	lexgen1	C	cform01	345	LEX FORMATTER
cfree.c	portc1	B	cfree01	348	PORTABLE C, FREE STORAGE
cgetc.c	portc1	B	cgetc01	348	PORTABLE C, SINGLE CHARACTER READER
chdir.s	clib1	B	chdir01	321	CHANGE WORKING DIRECTORY
check.c	cmd1	B	check01	313	CHECK FILE SYSTEM CONSISTENCY
chmod.c	cmd1	B	chmod01	313	CHANGE MODE
chmod.s	clib1	B	chmod01	321	CHANGE MODE OF FILE
chown.s	clib1	B	chown01	321	CHANGE OWNER OF FILE
chown.s	cmd1	B	chown01	313	CHANGE OWNER
chset.c	lexgen1	C	chset01	345	LEX CHARACTER SET TABLE
ciodec.c	portc1	B	ciodec01	348	PORTABLE C, I/O DECLARATION

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
clenf.c	portc1	B	clenf01	348	PORTABLE C, STRING LENGTH COUNTER
clock.c	opsys	A	clock01	301	SYSTEM CLOCK
clog.f	fclib2	C	clog01	337	LOGARITHM FORTRAN FUNCTION
close.s	clib1	B	close01	321	CLOSE A FILE
clri.s	cmd1	B	clri01	313	CLEAR I-NODE
cmp.c	cmd1	B	cmp01	313	COMPARE TWO FILES
cmplx.s	fclib2	C	cmplx01	337	COMPLEX FORTRAN FUNCTION
com	lil	C	com01	350	LIL COMMON FILE FOR TEST
comm.c	cmd1	B	comm01	313	PRINT LINES COMMON TO TWO FILES
common	lil	C	common01	350	LIL COMMON FILE
common.c	lexgen1	C	common01	345	LEX STATE OVERLAP MEASUREMENTS
compar.s	aslib1	B	compar01	319	COMPARE
conf.c	opsys	A	conf01	301	CONFIGURATION
conf.h	head	A	conf01	300	SYSTEM CONFIGURATION HEADER
conjg.s	fclib2	C	conjg01	337	CONJUGATE FORTRAN FUNCTION
copen.c	portc1	B	copen01	348	PORTABLE C, OPEN A FILE
copy.s	util	B	copy01	340	COPY MAG TAPE TO DISK
cos.s	fclib2	C	cos01	337	COSINE FORTRAN FUNCTION
cp.c	cmd1	B	cp01	313	COPY
cputc.c	portc1	B	cputc01	348	PORTABLE C, SINGLE CHARACTER WRITER
cpyact.c	lexgen1	C	cpyact01	345	LEX ACTION COPIER
creat.s	clib1	B	creat01	321	CREAT A NEW FILE
crpost.c	cref2	B	crpost01	343	CROSS REFERENCE POST PROCESSOR
crt0.s	clib1	B	crt001	321	RUNTIME STARTOFF FOR C
crypt.s	aslib1	B	crypt01	319	PASSWORD ENCODING
csin.f	fclib2	C	csin01	337	SINE FORTRAN FUNCTION
csqrt.f	fclib2	C	csqrt01	337	SQUARE ROOT FORTRAN FUNCTION
csubs.c	lexgen1	C	csubs01	345	LEX LOW LEVEL STRING FUNCTIONS
csv.s	clib1	B	csv01	321	REGISTER SAVE AND RESTORE
csym	cref2	B	csym01	343	C SYMBOLS
ctable	cref2	B	ctable01	343	C TABLE
ctime.c	clib1	B	ctime01	321	CONVERT DATE AND TIME TO ASCII
ctime.s	fclib4	C	ctime01	339	TIME OF DAY FORTRAN
ctrans.c	lexgen1	C	ctrans01	345	LEX ESCAPE CHARACTER INTERPRETER
cvopt.c	cc	B	cvopt01	328	C CODE TABLE GENERATOR
cwrd.c	portc1	B	cwrd01	348	PORTABLE C, READ OR WRITE A FILE
date.c	cmd1	B	date01	313	PRINT AND SET THE DATE

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
db1.s	db	B	db101	306	PART 1 DEBUG
db2.s	db	B	db201	306	PART 2 DEBUG
db3.s	db	B	db301	306	PART 3 DEBUG
db4.s	db	B	db401	306	PART 4 DEBUG
dble.s	fclib2	C	dble01	337	DOUBLE FORTRAN FUNCTION
dc.c	io1	A	dc01	302	DC-11 COMMUNICATIONS INTERFACE
dc1.s	dc	B	dc101	307	PART 1 DESK CALCULATOR
dc2.s	dc	B	dc201	307	PART 2 DESK CALCULATOR
dc3.s	dc	B	dc301	307	PART 3 DESK CALCULATOR
dc4.s	dc	B	dc401	307	PART 4 DESK CALCULATOR
dc5.s	dc	B	dc501	307	PART 5 DESK CALCULATOR
dccos.f	fclib2	C	dccos01	337	DBLE. COMP. COSINE FORTRAN FUNCTION
dcexp.f	fclib2	C	dcexp01	337	DBLE. COMP. EXPONENTIAL FORTRAN FUNCTION
dclog.f	fclib2	C	dclog01	337	DBLE. COMP. LOGARITHM FORTRAN FUNCTION
dcsin.f	fclib2	C	dcsin01	337	DBLE. COMP. SINE FORTRAN FUNCTION
dcsqrt.f	fclib2	C	dcsqrt01	337	DBLE. COMP. SQ.ROOT FORTRAN FUNCTION
dd.c	cmd1	B	dd01	313	CONVERT AND COPY A FILE
defrd.c	lexgen1	C	defrd01	345	LEX READ DEFINITIONS
defst.c	lexgen1	C	defst01	345	LEX USER START CONDITION RECORDER
dextern	yacc	C	dextern01	347	YACC MAINIFEST CONSTANT DEFINITIONS
df.c	cmd1	B	df01	313	DISK FREE
dh.c	io1	A	dh01	302	DH-11 COMMUNICATIONS MULTIPLEXER
dhdm.c	io1	A	dhdm01	302	DHDM MODEM CTL INTERFACE
dhfdm.c	io1	A	dhfdm01	302	DHDM NO-MODEM CTL INTERFACE
diff1.c	cmd1	B	diff101	313	PART 1 - DIFFERENCE
diff2.s	cmd1	B	diff201	313	PART 2 - DIFFERENCE
dim.s	fclib2	C	dim01	337	POSITIVE DIFFERENCE
dimag.s	fclib2	C	dimag01	337	DBLE. IMAGINARY FORTRAN FUNCTION
dldr.s	util	B	dldr01	340	DEC PAPER TAPE LOADERS
dli.s	util	B	dli01	340	DEC FORMAT TAPE INTERPRETER
dn.c	io1	A	dn01	302	DN-11 ACU INTERFACE
dp.c	io1	A	dp01	302	DP-11 201 SYNCHRONOUS INTERFACE
dpadd.s	aslib1	B	dpadd01	319	DBLE. PRECISION ADD
dr.c	cref2	B	dr01	343	CROSS REFERENCE DRIVER
dsw.s	cmd1	B	dsw01	313	DELETE INTERACTIVELY
dtf.s	util	B	dtf01	340	UNIX DEC TAPE TRACK FORMATTER
du.s	cmd1	B	du01	313	SUMMARIZE DISK USAGE

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
dump.c	cmd1	B	dump01	313	INCREMENTAL FILE SYSTEM DUMP
dup.s	clib2	B	dup01	322	DUPLICATE AN OPEN FILE DESCRIPTOR
echo.c	cmd2	B	echo01	314	ECHO ARGUMENTS
ecmn.h	cref2	B	ecmn01	343	ENGLISH HEADER
econs.h	cref2	B	econs01	343	ENGLISH CONSTANTS
ecvt.s	aslib1	B	ecvt01	319	OUTPUT CONVERSION
ed.c	cmd2	B	ed01	314	EDITOR
efftab.s	cc	B	efftab01	328	C CODE TABLES - COMPILE FOR SIDE EFFECTS
errio.c	lexgen1	C	errio01	345	LEX INPUT/OUTPUT ERROR HANDLER
errlst.c	clib2	B	errlst01	322	ERROR LIST
errors	fclib4	C	errors01	339	FORTRAN ERROR MESSAGES
esym	cref2	B	esym01	343	ENGLISH SYMBOLS
etable	cref2	B	etable01	343	ENGLISH TABLE
execl.s	clib2	B	execl01	322	CALL PROGRAM; ARGUMENTS IN LIST MODE
execv.s	clib2	B	execv01	322	CALL PROGRAM; ARGUMENTS IN VECTOR MODE
exit.c	cmd2	B	exit01	314	TERMINATE COMMAND FILE
exit.c	portc1	B	exit01	348	PORTABLE C, TERMINATE VIA CEXIT
exit.s	clib2	B	exit01	322	TERMINATE PROCESS
exp.s	aslib1	B	exp01	319	EXPONENTIAL FUNCTION
exp.s	fclib2	C	exp01	337	EXPONENTIAL FORTRAN FUNCTION
extdef.c	lexgen1	C	extdef01	345	LEX EXTERNAL DEFINITION
f11.s	fc1	C	f1101	329	PASS 1 PART 1 FORTRAN COMPILER
f12.s	fc1	C	f1201	329	PASS 1 PART 2 FORTRAN COMPILER
f13.s	fc1	C	f1301	329	PASS 1 PART 3 FORTRAN COMPILER
f14.s	fc1	C	f1401	329	PASS 1 PART 4 FORTRAN COMPILER
f15.s	fc1	C	f1501	329	PASS 1 PART 5 FORTRAN COMPILER
f16.s	fc1	C	f1601	329	PASS 1 PART 6 FORTRAN COMPILER
f17.s	fc1	C	f1701	329	PASS 1 PART 7 FORTRAN COMPILER
f21.s	fc2	C	f2101	330	PASS 2 PART 1 FORTRAN COMPILER
f22.s	fc2	C	f2201	330	PASS 2 PART 2 FORTRAN COMPILER
f23.s	fc2	C	f2301	330	PASS 2 PART 3 FORTRAN COMPILER
f24.s	fc2	C	f2401	330	PASS 2 PART 4 FORTRAN COMPILER
f31.s	fc3	C	f3101	331	PASS 3 PART 1 FORTRAN COMPILER
f32.s	fc3	C	f3201	331	PASS 3 PART 2 FORTRAN COMPILER
f33.s	fc3	C	f3301	331	PASS 3 PART 3 FORTRAN COMPILER
f34.s	fc3	C	f3401	331	PASS 3 PART 4 FORTRAN COMPILER
f35.s	fc3	C	f3501	331	PASS 3 PART 5 FORTRAN COMPILER

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
f36.s	fc3	C	f3601	331	PASS 3 PART 6 FORTRAN COMPILER
f37.s	fc3	C	f3701	331	PASS 3 PART 7 FORTRAN COMPILER
f38.s	fc3	C	f3801	331	PASS 3 PART 8 FORTRAN COMPILER
f39.s	fc3	C	f3901	331	PASS 3 PART 9 FORTRAN COMPILER
f41.s	fc4	C	f4101	332	PASS 4 PART 1 FORTRAN COMPILER
f42.s	fc4	C	f4201	332	PASS 4 PART 2 FORTRAN COMPILER
f43.s	fc4	C	f4301	332	PASS 4 PART 3 FORTRAN COMPILER
f44.s	fc4	C	f4401	332	PASS 4 PART 4 FORTRAN COMPILER
f45.s	fc4	C	f4501	332	PASS 4 PART 5 FORTRAN COMPILER
f46.s	fc4	C	f4601	332	PASS 4 PART 6 FORTRAN COMPILER
f47.s	fc4	C	f4701	332	PASS 4 PART 7 FORTRAN COMPILER
factor.s	cmd2	B	factor01	314	DISCOVER PRIME FACTORS OF A NUM.
fakfp.s	fp	B	fakfp01	312	FAKE FLOATING POINT INTERPRETER
fc.c	cmd2	B	fc01	314	FORTRAN COMPILER
fcrt0.s	clib2	B	fcrt001	322	FLOATING POINT RUNTIME STARTOFF
fed1.s	fed	C	fed101	308	PART 1 EDIT MEM. FOR FORM LETTER
fed2.s	fed	C	fed201	308	PART 2 EDIT MEM. FOR FORM LETTER
fed3.s	fed	C	fed301	308	PART 3 EDIT MEM. FOR FORM LETTER
ffltpr.s	clib2	B	ffltpr01	322	FAKE FLOATING POINT OUTPUT CONVERSION
fhd.s	fcsub	C	fhd01	333	COMPILER SUBROUTINES HEADER FILE FORTRAN
file.c	cmd2	B	file01	314	DETERMINE FORMAT OF A FILE
file.h	head	A	file01	300	SYSTEM FILE TABLE HEADER
filsys.h	head	A	filsys01	300	FILE SYSTEM HEADER
find.c	cmd2	B	find01	314	FIND FILES
fio.c	opsys	A	fio01	301	FILE I/O
float.s	fclib3	C	float01	338	FLOAT FORTRAN FUNCTION
floor.s	aslib1	B	floor01	319	FLOOR AND CEILING FUNCTION
fltime.s	clib2	B	fltime01	322	FLOATING POINT TIME OF DAY
fltpr.s	clib2	B	fltpr01	322	FLOATING POINT OUTPUT CONVERSION
fmod.s	aslib1	B	fmod01	319	C FLOATING POINT MODULO ARITHMETIC
fork.s	clib2	B	fork01	322	SPAWN A NEW PROCESS
form1.s	form	C	form101	309	PART 1 FORM LETTER
form2.s	form	C	form201	309	PART 2 FORM LETTER
form3.s	form	C	form301	309	PART 3 FORM LETTER
form4.s	form	C	form401	309	PART 4 FORM LETTER
form5.s	form	C	form501	309	PART 5 FORM LETTER
form6.s	form	C	form601	309	PART 6 FORM LETTER

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
fp1.s	fp	B	fp101	312	PART 1 FLOATING POINT INTERPRETER
fp2.s	fp	B	fp201	312	PART 2 FLOATING POINT INTERPRETER
fp3.s	fp	B	fp301	312	PART 3 FLOATING POINT INTERPRETER
fpx.s	fp	B	fpx01	312	PART 4 FLOATING POINT INTERPRETER
fstat.s	clib2	B	fstat01	322	GET STATUS OF OPEN FILE
ftoa.c	portc1	B	ftoa01	348	PORTABLE C, FLOAT TO ASCII STRING CONVERSION
fx1.s	fcsub	C	fx101	333	COMPILER SUBROUTINES PART 1 FORTRAN COMPILER
fx2.s	fcsub	C	fx201	333	COMPILER SUBROUTINES PART 2 FORTRAN COMPILER
fx3.s	fcsub	C	fx301	333	COMPILER SUBROUTINES PART 3 FORTRAN COMPILER
fx4.s	fcsub	C	fx401	333	COMPILER SUBROUTINES PART 4 FORTRAN COMPILER
fx5.s	fcsub	C	fx501	333	COMPILER SUBROUTINES PART 5 FORTRAN COMPILER
fx6.s	fcsub	C	fx601	333	COMPILER SUBROUTINES PART 6 FORTRAN COMPILER
fx7.s	fcsub	C	fx701	333	COMPILER SUBROUTINES PART 7 FORTRAN COMPILER
fx8.s	fcsub	C	fx801	333	COMPILER SUBROUTINES PART 8 FORTRAN COMPILER
fx9.s	fcsub	C	fx901	333	COMPILER SUBROUTINES PART 9 FORTRAN COMPILER
fxa.s	fcsub	C	fxa01	333	COMPILER SUBROUTINES PART 10 FORTRAN COMPILER
fxb.s	fcsub	C	fxb01	333	COMPILER SUBROUTINES PART 11 FORTRAN COMPILER
fxc.s	fcsub	C	fxc01	333	COMPILER SUBROUTINES PART 12 FORTRAN COMPILER
fxd.s	fcsub	C	fxd01	333	COMPILER SUBROUTINES PART 13 FORTRAN COMPILER
fxe.s	fcsub	C	fxe01	333	COMPILER SUBROUTINES PART 14 FORTRAN COMPILER
fxf.s	fcsub	C	fxf01	333	COMPILER SUBROUTINES PART 15 FORTRAN COMPILER
fxg.s	fcsub	C	fxg01	333	COMPILER SUBROUTINES PART 16 FORTRAN COMPILER
fxh.s	fcsub	C	fxh01	333	COMPILER SUBROUTINES PART 17 FORTRAN COMPILER
fxi.s	fcsub	C	fxi01	333	COMPILER SUBROUTINES PART 19 FORTRAN COMPILER
fxx.s	fcsub	C	fxx01	333	COMPILER SUBROUTINES PART 18 FORTRAN COMPILER
gamma.s	aslib2	B	gamma01	320	GAMMA FUNCTION
get.s	aslib2	B	get01	320	GET FROM INPUT
getarg.s	fclib4	C	getarg01	339	GET ARGUMENT FORTRAN
getc.s	clib3	B	getc01	323	BUFFERED INPUT
getch.c	portc1	B	getch01	348	PORTABLE C, SINGLE CHARACTER READ-SIL INPUT
getchr.s	clib3	B	getchr01	323	READ CHARACTER
getcsw.s	clib3	B	getcsw01	323	READ CONSOLE SWITCHES
getfcref	cref1	B	getfcref01	342	FUNCTION SELECTION
getfuncs	cref1	B	getfuncs01	342	SOURCE SELECTION
getgid.s	clib3	B	getgid01	323	GET GROUP IDENTIFICATIONS
getpid.s	clib3	B	getpid01	323	GET PROCESS IDENTIFICATION
getpw.c	clib3	B	getpw01	323	GET NAME FROM UID

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
gets.c	portc1	B	gets01	348	PORTABLE C, STRING READER
getty.c	cmd2	B	getty01	314	SET TYPEWRITER MODE
getuid.s	clib3	B	getuid01	323	GET USER IDENTIFICATIONS
getvcref	cref1	B	getvcref01	342	VARIABLE SELECTION
getvec.c	portc1	B	getvec01	348	PORTABLE C, SINGLE OBJECT STORAGE ALLOCATION
glob.c	cmd2	B	glob01	314	GENERATE COMMAND ARGUMENTS
goto.c	cmd2	B	goto01	314	COMMAND TRANSFER
grammar	lil	C	grammar01	350	LIL GRAMMAR
grep.s	cmd2	B	grep01	314	SEARCH A FILE FOR A PATTERN
gsi.c	cmd2	B	gsi01	314	EXTENDED CHARACTER SET INTERPRETER
gtty.s	clib3	B	gtty01	323	GET
header.c	lexgen1	C	header01	345	LEX PREFIX OUTPUT
hmul.s	clib3	B	hmul01	323	HIGH ORDER PRODUCT
hp.c	io1	A	hp01	302	RP04 INTERFACE
hpboot.s	util	B	hpboot01	340	RP04 BOOT
hs.c	io1	A	hs01	302	RS03/04 INTERFACE
hsw.s	clib3	B	hsw01	323	HASH SWITCH
ht.c	io1	A	ht01	302	TJU16 INTERFACE
hyphen.c	cmd2	B	hyphen01	314	FIND HYPHENATED WORDS
hypot.s	aslib2	B	hypot01	320	CALCULATE THE HYPOTENUSE
iabs.s	fclib3	C	iabs01	338	ABSOLUTE FORTRAN FUNCTION
icheck.c	cmd2	B	icheck01	314	FILE SYSTEM CONSISTENCY CHECK, PART 1
ichecks.s	cmd2	B	ichecks01	314	FILE SYSTEM CONSISTENCY CHECK, PART 2
idim.s	fclib3	C	idim01	338	POSITIVE DIFFERENCE
idint.s	fclib3	C	idint01	338	TRUNCATION
ierr.s	fclib3	C	ierr01	338	INTEGER ERROR FORTRAN FUNCTION
if.c	cmd2	B	if01	314	CONDITIONAL COMMAND
ifix.s	fclib3	C	ifix01	338	FIXED FORTRAN FUNCTION
iget.c	opsys	A	iget01	301	I-NODE INTERFACE
ihexit.s	portc2	B	ihexit01	349	PORTABLE C, IH EXIT
ind0.c	cref2	B	ind001	343	CROSS REFERENCE INPUT DELINEATOR, PART 1
ind1.c	cref2	B	ind101	343	CROSS REFERENCE INPUT DELINEATOR, PART 2
ind2.c	cref2	B	ind201	343	CROSS REFERENCE INPUT DELINEATOR, PART 3
init.c	cmd2	B	init01	314	PROCESS CONTROL INITIALIZATION
ino.c	cmd2	B	ino01	314	I-NODE NUMBER
ino.h	head	A	ino01	300	DISK I-NODE HEADER
inode.h	head	A	inode01	300	MEMORY I-NODE HEADER

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
input.c	lexcl	C	input01	344	LEXLIB CHARACTER INPUT
intss.c	portc2	B	intss01	349	PORTABLE C, INTEROGATE FOR STD INPUT STATUS
io1.s	fcio	C	io101	334	FORTRAN I/O PART 1
io2.s	fcio	C	io201	334	FORTRAN I/O PART 2
io3.s	fcio	C	io301	334	FORTRAN I/O PART 3
io4.s	fcio	C	io401	334	FORTRAN I/O PART 4
io5.s	fcio	C	io501	334	FORTRAN I/O PART 5
io6.s	fcio	C	io601	334	FORTRAN I/O PART 6
io7.s	fcio	C	io701	334	FORTRAN I/O PART 7
iox.s	fcio	C	iox01	334	FORTRAN I/O PART 8
isign.s	fclib3	C	isign01	338	SIGN FORTRAN FUNCTION
kill.s	clib3	B	kill01	323	TERMINATE A PROCESS
kill.s	cmd2	B	kill01	314	TERMINATE A PROCESS
kl.c	io1	A	kl01	302	KL-11 OR DL-11 ASYNCHRONOUS INTERFACE
ladd.s	clib3	B	ladd01	323	LONG INTEGER SUBTRACT AND ADD
lam.c	lexgen1	C	lam01	345	LEX ASSOCIATIVE MEMORY SOURCE
lc.c	lil	C	lc01	350	LIL CONTROL PROGRAM
ld.c	ld	B	ld01	310	LOADER
ldefs.c	lexgen1	C	ldefs01	345	LEX EXTERNAL DECLARATIONS
ldfps.s	clib3	B	ldfps01	323	LOAD STATUS OF FLOATING POINT PROCESS
ldiv.s	aslib2	B	ldiv01	320	LONG DIVISION
lex.c	lil	C	lex01	350	LIL LEXICAL ANALYSIS, INPUT
lexl.l	lil	C	lexl01	350	LIL SOURCE FOR COMPILATION TEST
lgen.c	lexgen1	C	lgen01	345	LEX MAIN PROGRAM
lib.b	dc	B	lib01	307	EC LIBRARY
link.s	clib3	B	link01	323	LINK TO A FILE
list.s	util	B	list01	340	LIST UTILITY PROGRAMS
ln.c	cmd3	B	ln01	315	MAKE A LINK
load	util	B	load01	340	SHELL FOR 40/45 LOADING
lock.s	clib3	B	lock01	323	LOCK (SEMAPHORE) FUNCTIONS
locv.s	clib3	B	locv01	323	LONG OUTPUT CONVERSION
log.s	aslib2	B	log01	320	NATURAL LOGARITHM
login.c	cmd3	B	login01	315	SIGN ONTO UNIX
low.s	opsys	A	low01	301	LOCAL CONFIGURATION
lp.c	io1	A	lp01	302	LINE PRINTER INTERFACE
lpd.s	cmd3	B	lpd01	315	LINE PRINTER DAEMON
lpr.c	cmd3	B	lpr01	315	SPOOL FOR LINE PRINTER

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
ls.c	cmd3	B	ls01	315	LIST CONTENTS OF A DIRECTORY
lseek.c	clib4	B	lseek01	324	LONG SEEK
ltod.s	clib3	B	ltod01	323	LONG INTEGER -FLOATING POINT CONVERSIONS
m40.s	opsys	A	m4001	301	MACHINE LANGUAGE ASSIST-M40
m45.s	opsys	A	m4501	301	MACHINE LANGUAGE ASSIST-M45,M70
mail.c	cmd3	B	mail01	315	MAIL TO ANOTHER USER
main.c	lexcl	C	main01	344	LEXLIB GENERATOR PROGRAM CALLER
main.c	opsys	A	main01	301	MAIN
main.c	yacc	C	main01	347	YACC DEFAULT MAIN PROGRAM
makbuf.c	portc2	B	makbuf01	349	PORTABLE C, BUFFER ALLOCATION
makdir.s	clib4	B	makdir01	324	MAKE A DIRECTORY
make.c	cref2	B	make01	343	DEFAULT/IGNORE FILE MAKER
maktab.c	portc2	B	maktab01	349	PORTABLE C, STRING ENDING TABLE MAKER
malloc.c	io2	A	malloc01	303	MEMORY ALLOCATOR
mcons.c	cref2	B	mcons01	343	FILE MAKER CONSTANTS
mcount.s	clib4	B	mcount01	324	COUNT SUBROUTINE CALLS
mcrt0.s	clib4	B	mcrt001	324	MONITOR RUNTIME STARTOFF ROUTINE
mdate.s	clib4	B	mdate01	324	SET MODIFY DATE OF FILE
mem.c	io2	A	mem01	303	MEMORY AS A DEVICE
mesg.c	cmd3	B	mesg01	315	PERMIT OR DENY MESSAGES
mesg.s	aslib2	B	mesg01	320	PERMIT OR DENY MESSAGES
mkconf.c	util	B	mkconf01	340	CONFIGURATION MAKER
mkdir.s	cmd3	B	mkdir01	315	MAKE A DIRECTORY
mkfs.c	cmd3	B	mkfs01	315	MAKE FILE SYSTEM
mknod.c	cmd3	B	mknod01	315	MAKE A DIRECTORY OR SPECIAL FILE
mknod.s	clib4	B	mknod01	324	BUILD SPECIAL FILE
mkpt.c	cmd3	B	mkpt01	315	MAKE PROTO
mktemp.c	clib4	B	mktemp01	324	MAKE TEMPORARY FILE
mod.s	fclib3	C	mod01	338	MODULO FORTRAN FUNCTION
mon.c	clib4	B	mon01	324	MONITOR (PROFILES)
mount.c	cmd3	B	mount01	315	MOUNT FILE SYSTEM
mount.s	clib4	B	mount01	324	MOUNT FILE SYSTEM
move.c	lexgen2	C	move01	346	LEX ACTION TABLE ACCESS
mtab.c	cref2	B	mtab01	343	FILE MAKER TABLE
mtm.c	cmd3	B	mtm01	315	MAGNETIC TAPE MANIPULATION
mv.c	cmd3	B	mv01	315	MOVE OR RENAME A FILE
nami.c	opsys	A	nami01	301	FILE NAME STRING INTERPRETER

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
nargs.s	clib4	B	nargs01	324	ARGUMENT COUNT
ne.g	neqn	B	ne01	351	TYPESET MATHEMATICS GRAMMAR
ne1.c	neqn	B	ne101	351	TYPESET MATHEMATICS, PART 1
ne2.c	neqn	B	ne201	351	TYPESET MATHEMATICS, PART 2
ne3.c	neqn	B	ne301	351	TYPESET MATHEMATICS, PART 3
ne4.c	neqn	B	ne401	351	TYPESET MATHEMATICS, PART 4
ne5.c	neqn	B	ne501	351	TYPESET MATHEMATICS, PART 5
ne6.c	neqn	B	ne601	351	TYPESET MATHEMATICS, PART 6
neh.h	neqn	B	neh01	351	TYPESET MATHEMATICS HEADER
nelex.c	neqn	B	nelex01	351	TYPESET MATHEMATICS 'LEX'
nfrin.c	clib4	B	nfrin01	324	ASCII TO INTEGER -SINGLE
nice.c	cmd3	B	nice01	315	SET PROGRAM PRIORITY
nice.s	clib4	B	nice01	324	SET PROGRAM PRIORITY
nice.s	fclib4	C	nice01	339	SET PROGRAM PRIORITY
nicecref.c	cref1	B	nicecref01	342	CROSS REFERENCE BEAUTIFIER
nlist.c	clib4	B	nlist01	324	GET ENTRIES FROM NAME LIST
nlist.s	aslib2	B	nlist01	320	GET ENTRIES FROM NAME LIST
nm.c	cmd3	B	nm01	315	PRINT NAME LIST
nofree.c	lexgen2	C	nofree01	346	LEX FREE TRANSITION REMOVER
nohup.c	cmd3	B	nohup01	315	RUN A COMMAND IMMUNE TO HANG-UPS
nroff1.s	nroff	B	nroff101	352	FORMAT TEXT, PART 1
nroff2.s	nroff	B	nroff201	352	FORMAT TEXT, PART 2
nroff3.s	nroff	B	nroff301	352	FORMAT TEXT, PART 3
nroff4.s	nroff	B	nroff401	352	FORMAT TEXT, PART 4
nroff5.s	nroff	B	nroff501	352	FORMAT TEXT, PART 5
nroff8.s	nroff	B	nroff801	352	FORMAT TEXT, PART 6
od.c	cmd3	B	od01	315	OCTAL DUMP
opar.c	yacc	C	opar01	347	YACC OPTIMIZATION PARSER
open.s	clib4	B	open01	324	OPEN FILE FOR READING OR WRITING
openrw.s	fclib4	C	openrw01	339	OPEN FOR READ WRITE FORTRAN
orand.s	fclib4	C	orand01	339	FORTRAN OLD RANDOM NUMBER GENERATOR
output.c	lexcl	C	output01	344	LEXLIB CHARACTER OUTPUT
outstp.c	lexgen2	C	outstp01	346	LEX RULE LISTER
par.c	lil	C	par01	350	LIL MAIN PROGRAM, PARSER
param.h	head	A	param01	300	PARAMETER HEADER
parser.c	yacc	C	parser01	347	YACC PARSER
partab.c	io2	A	partab01	303	TABLE OF TTY PARAMETERS

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
pass2c.c	lil	C	pass2c01	350	LIL LAST PASS
passwd.s	cmd4	B	passwd01	316	SET LOGIN PASSWORD
pc.c	io2	A	pc01	303	PC-11 PAPER TAPE READ/PUNCH INTERFACE
perror.c	clib5	B	perror01	325	SYSTEM ERROR MESSAGES
pfe.s	cmd4	B	pfe01	316	PRINT FLOATING EXCEPTION
pipe.c	io2	A	pipe01	303	INTER PROCESS CHANNEL
pipe.s	clib5	B	pipe01	325	CREATE AN INTERPROCESS CHANNEL
plot.s	fclib4	C	plot01	339	PLOT FORTRAN
portlb.c	portc2	B	portlb01	349	PORTABLE C, LABEL
pow.s	aslib2	B	pow01	320	FLOATING EXPONENTIATION
pr.c	cmd4	B	pr01	316	PRINT FILE
prf.c	opsys	A	prf01	301	PRINT FACILITY
printf.c	portc2	B	printf01	349	PORTABLE C, FORMATTED PRINT
printf.s	clib5	B	printf01	325	FORMATTED PRINT
proc.h	head	A	proc01	300	PROCESS TABLE HEADER
prof.c	cmd4	B	prof01	316	DISPLAY PROFILE DATA
prof.s	clib5	B	prof01	325	DISPLAY MONITOR (PROFILE) DATA
ps.c	cmd4	B	ps01	316	PROCESS STATUS
ptx.c	cmd4	B	ptx01	316	PERMUTED INDEX
purge.c	lexgen2	C	purge01	346	LEX STATE REMOVER
put.c	cref2	B	put01	343	OUTPUT CONTROLLER
put.c	lil	C	put01	350	LIL OUTPUT PROGRAMS
put.s	aslib2	B	put01	320	PUT TO OUTPUT
putc.s	clib5	B	putc01	325	BUFFERED OUTPUT
putch.c	portc2	B	putch01	349	PORTABLE C, CHARACTER WRITE TO STD OUTPUT
putchr.s	clib5	B	putchr01	325	WRITE CHARACTER
puts.c	portc2	B	puts01	349	PORTABLE C, STRING WRITER
pwd.c	cmd4	B	pwd01	316	PRINT WORKING DIRECTORY
qsort.c	clib5	B	qsort01	325	QUICK SORT
qsort.s	aslib2	B	qsort01	320	QUICKER SORT
r0.s	fcrt	C	r001	335	FORTRAN RUNTIME PART 0
r1.s	fcrt	C	r101	335	FORTRAN RUNTIME PART 1
r2.s	fcrt	C	r201	335	FORTRAN RUNTIME PART 2
r3.s	fcrt	C	r301	335	FORTRAN RUNTIME PART 3
r4.s	fcrt	C	r401	335	FORTRAN RUNTIME PART 4
r5.s	fcrt	C	r501	335	FORTRAN RUNTIME PART 5
r6.s	fcrt	C	r601	335	FORTRAN RUNTIME PART 6

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
r7.s	fcrt	C	r701	335	FORTRAN RUNTIME PART 7
r8.s	fcrt	C	r801	335	FORTRAN RUNTIME PART 8
r9.s	fcrt	C	r901	335	FORTRAN RUNTIME PART 9
ra.s	fcrt	C	ra01	335	FORTRAN RUNTIME PART 10
rand.s	aslib2	B	rand01	320	RANDOM NUMBER GENERATOR
rand.s	fclib4	C	rand01	339	FORTRAN RANDOM NUMBER GENERATOR
range.c	lexgen2	C	range01	346	LEX CHARACTER CLASS RANGE PROCESSOR
rb.s	fcrt	C	rb01	335	FORTRAN RUNTIME PART 11
rc.s	fcrt	C	rc01	335	FORTRAN RUNTIME PART 12
rd.s	fcrt	C	rd01	335	FORTRAN RUNTIME PART 13
rdcomm.c	lexgen2	C	rdcomm01	346	LEX RULE READER
rdrule.c	lexgen2	C	rdrule01	346	LEX DIRECT RULE INPUT
rdwri.c	opsys	A	rdwri01	301	READ/WRITE I-NODE
re.s	fcrt	C	re01	335	FORTRAN RUNTIME PART 14
read.s	clib5	B	read01	325	READ FROM FILE
real.s	fclib3	C	real01	338	REAL NUMBER FORTRAN FUNCTION
reg.h	head	A	reg01	300	REGISTER HEADER
regtab.s	cc	B	regtab01	328	C TABLES - COMPILE TO REGISTER
reject.c	lexcl	C	reject01	344	LEXLIB MATCH REJECTION
reloc.c	cmd4	B	reloc01	316	RELOCATE OBJECT FILES
relvec.c	portc2	B	relvec01	349	PORTABLE C, STORAGE RELEASE
reset.s	clib5	B	reset01	325	SPECIAL FUNCTION JUMP
restor.c	cmd4	B	restor01	316	INCREMENTAL FILE SYSTEM RESTORE
retrn.s	clib5	B	retrn01	325	RETURN TO CALLING LOCATION
rew.c	portc2	B	rew01	349	PORTABLE C, REWRITE
rew.s	cmd4	B	rew01	316	REWIND TAPE
rf.c	io2	A	rf01	303	RF11/RS11 FIXED HEAD DISK FILE
rf.s	fcrt	C	rf01	335	FORTRAN RUNTIME PART 15
rg.s	fcrt	C	rg01	335	FORTRAN RUNTIME PART 16
rh.c	io2	A	rh01	303	RH 'DEVICE' INTERFACE
rh.s	fcrt	C	rh01	335	FORTRAN RUNTIME PART 17
rin.c	clib5	B	rin01	325	ASCII TO INTEGER
rio.s	fclib4	C	rio01	339	RANDOM TIME I/O FORTRAN
rk.c	io2	A	rk01	303	RK-11/RK03(05) DISK INTERFACE
rkf.s	util	B	rkf01	340	RK FORMATTER
rm.c	cmd4	B	rm01	316	REMOVE FILES
rmdir.s	cmd4	B	rmdir01	316	REMOVE DIRECTORY

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
roff7.s	nroff	B	roff701	352	TABLES
rp.c	io2	A	rp01	303	RP-11/RP03 MOVING HEAD DISK INTERFACE
rprint.c	lexgen2	C	rprint01	346	LEX RATFOR ARRAY PRINTER
rsave.s	clib5	B	rsave01	325	REGISTER SAVE
rx.s	fcrt	C	rx01	335	FORTRAN RUNTIME PART 18
sa.c	cmd5	B	sa01	317	SHELL ACCOUNTING
savr5.s	aslib2	B	savr501	320	SAVR5 FOR AS PROGS MAKING C CALLS
sbrk.s	clib6	B	sbrk01	326	INCREMENT USER PROGRAM END
scan1.c	portc2	B	scan101	349	PORTABLE C, FORMATTED INPUT SCANNER-PART 1
scan2.c	portc2	B	scan201	349	PORTABLE C, FORMATTED INPUT SCANNER-PART 2
scan3.c	portc2	B	scan301	349	PORTABLE C, FORMATTED INPUT SCANNER-PART 3
scrub	lil	C	scrub01	350	LIL SHELL SEQUENCE
seek.s	clib6	B	seek01	326	MOVE READ/WRITE POINTER
seg.h	head	A	seg01	300	SEGMENTATION HEADER
sem.c	lil	C	sem01	350	LIL SEMANTIC ROUTINES
setfil.s	fclib4	C	setfil01	339	SPECIFY FORTRAN FILE NAME
setflg.c	lexgen2	C	setflg01	346	LEX ARGUMENT INTERPRETER
setgid.s	clib6	B	setgid01	326	SET GROUP IDENTIFICATION
setuid.s	clib6	B	setuid01	326	SET USER IDENTIFICATION
sh.c	cmd5	B	sh01	317	SHELL (COMMAND INTERPRETER)
shexec.c	clib6	B	shexec01	326	SHELL EXECUTION
sig.c	opsys	A	sig01	301	SIGNAL
sign.s	fclib3	C	sign01	338	SIGN FORTRAN FUNCTION
signal.s	clib6	B	signal01	326	CATCH OR IGNORE SIGNALS
sim.c	lil	C	sim01	350	LIL RUN-TIME CODE GENERATION
sin.s	aslib2	B	sin01	320	SINE AND COSINE FUNCTIONS
sin.s	fclib3	C	sin01	338	SINE FORTRAN FUNCTION
size.c	cmd5	B	size01	317	SIZE OF AN OBJECT FILE
sleep.c	cmd5	B	sleep01	317	SUSPEND EXECUTION FOR AN INTERVAL
sleep.s	clib6	B	sleep01	326	STOP EXECUTION FOR AN INTERVAL
sleep.s	fclib4	C	sleep01	339	FORTRAN STOP EXECUTION FOR AN INTERVAL
slp.c	opsys	A	slp01	301	PROCESS SWITCHING
sngl.s	fclib3	C	sngl01	338	SINGLE FORTRAN FUNCTION
sno.h-1"	sno	C	sno01	353	SNOBOL HEADER
sno1.c	sno	C	sno101	353	SNOBOL, PART 1
sno2.c	sno	C	sno201	353	SNOBOL, PART 2
sno3.c-1"	sno	C	sno301	353	SNOBOL, PART 3

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
sno4.c	sno	C	sno401	353	SNOBOL, PART 4
sort.c	cmd5	B	sort01	317	SORT OR MERGE FILES
split.c	cmd5	B	split01	317	SPLIT A FILE INTO PIECES
sptab.s	cc	B	sptab01	328	C TABLES -EXPRESSION TO STACK
sqrt.s	aslib2	B	sqrt01	320	SQUARE ROOT FUNCTION
sqrt.s	fclib3	C	sqrt01	338	SQUARE ROOT FORTRAN FUNCTION
ssort.c	lexgen2	C	ssort01	346	LEX SHELL SORT
ssw.s	clib6	B	ssw01	326	SIMPLE SWITCH STATEMENT
start.c	lexgen2	C	start01	346	LEX START STATE DETERMINATION
stat.s	clib6	B	stat01	326	GET FILE STATUS
stime.s	clib6	B	stime01	326	SET TIME OF DAY
str.c	lil	C	str01c	350	LIL SEMANTIC ROUTINES FOR CONTROL STRUCTURE
strip.s	cmd5	B	strip01	317	REMOVE SYMBOLS AND RELOCATION BITS
stty.c	cmd5	B	stty01	317	SET TYPEWRITER OPTIONS
stty.s	clib6	B	stty01	326	SET TYPEWRITER OPTIONS
su.c	cmd5	B	su01	317	BECOME PRIVILEGED USER
subr.c	opsys	A	subr01	301	SYSTEM SUBROUTINES
subset.c	lexgen2	C	subset01	346	LEX SUBSET CONSTRUCTION
suftab.s	nroff	B	suftab01	352	SUFFIX TABLES
sum.s	cmd5	B	sum01	317	SUM A FILE
switch.s	aslib2	B	switch01	320	SWITCH
switch.s	clib6	B	switch01	326	OLD SWITCH STATEMENT
sync.c	cmd5	B	sync01	317	UPDATE SUPER BLOCK
sync.s	clib6	B	sync01	326	UPDATE THE SUPER BLOCK
sys1.c	opsys	A	sys101	301	SYSTEM CALL INTERFACE 1
sys2.c	opsys	A	sys201	301	SYSTEM CALL INTERFACE 2
sys3.c	opsys	A	sys301	301	SYSTEM CALL INTERFACE 3
sys4.c	opsys	A	sys401	301	SYSTEM CALL INTERFACE 4
sys5.c	opsys	A	sys501	301	SYSTEM CALL INTERFACE 5
sysent.c	opsys	A	sysent01	301	TABLE OF SYSTEM ENTRY POINTS
sysfix.c	ld	B	sysfix01	310	SYSTEM IMAGE FIXER, I/D SPACE
system.c	portc2	B	system01	349	PORTABLE C, STRING EXECUTION
systm.h	head	A	systm01	300	SYSTEM HEADER
tab.c	lil	C	tab01c	350	LIL C TABLE
tabl.l	lil	C	tabl01	350	LIL TABLE
tail.c	lexgen2	C	tail01	346	LEX SUFFIX OUTPUT
tanh.f	fclib3	C	tanh01	338	HYPERBOLIC TANGENT FORTRAN FUNCTION

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
tboot.s	util	B	tboot01	340	DEC TAPE BOOT SOURCE
tc.c	io2	A	tc01	303	TC-11/TU56 DEC TAPE INTERFACE
text.c	opsys	A	text01	301	SHARED PROGRAM
text.h	head	A	text01	300	TEXT HEADER
time.s	clib7	B	time01	327	GET DATE AND TIME
time.s	cmd6	B	time01	318	TIME A COMMAND
times.s	clib7	B	times01	327	GET PROCESS TIMES
tm.c	io2	A	tm01	303	TM-11/TU-10 MAG. TAPE INTERFACE
tmac.s	util	B	tmac01	340	TYPESETTER MACROS
tmpnam.c	portc2	B	tmpnam01	349	PORTABLE C, TEMPORARY FILE NAME GENERATOR
tp1.s	tp	B	tp101	311	PART 1 DEC/MAG TAPE MANIPULATION
tp2.s	tp	B	tp201	311	PART 2 DEC/MAG TAPE MANIPULATION
tp3.s	tp	B	tp301	311	PART 3 DEC/MAG TAPE MANIPULATION
tp4.s	tp	B	tp401	311	PART 4 DEC/MAG TAPE MANIPULATION
tr.c	cmd6	B	tr01	318	TRANSLITERATE
trap.c	opsys	A	trap01	301	TRAP HANDLER
tty.c	io2	A	tty01	303	GENERAL TYPEWRITER SUBROUTINES
tty.h	head	A	tty01	300	TYPEWRITER HEADER
tty.s	cmd6	B	tty01	318	GET TYPEWRITER NAME
ttyn.s	aslib2	B	ttyn01	320	RETURN NAME OF CURRENT TYPEWRITER
typo.c	cmd6	B	typo01	318	FIND POSSIBLE TYPOS
uboot.s	util	B	uboot01	340	UNIX BOOT
uio.s	fclib4	C	uio01	339	FORTRAN TO UNIX INPUT/OUTPUT
umount.c	cmd6	B	umount01	318	DISMOUNT FILE SYSTEM
umount.s	clib7	B	umount01	327	DISMOUNT A FILE SYSTEM
unget.c	portc2	B	unget01	349	PORTABLE C, CHARACTER PUSH BACK
uniq.c	cmd6	B	uniq01	318	REPORT REPEATED LINES IN A FILE
unlink.s	clib7	B	unlink01	327	REMOVE DIRECTORY ENTRY
unput.c	lexcl	C	unput01	344	LEXLIB INPUT CHARACTER REPLACEMENT
update.s	cmd6	B	update01	318	PERIODICALLY UPDATE THE SUPER BLOCK
upost.c	cref2	B	upost01	343	POST PROCESSOR
user.h	head	A	user01	300	PER USER HEADER
usrtab.c	lexgen2	C	usrtab01	346	LEX USER CHARACTER TABLE MAKER
w2006	cmd6	B	w200601	318	TYPO TABLES
wait.s	clib7	B	wait01	327	WAIT FOR A PROCESS TO TERMINATE
wall.c	cmd6	B	wall01	318	WRITE TO ALL USERS
wc.c	cmd6	B	wc01	318	WORD COUNT

FILE	DIRECTORY	SUPPORT CLASS	PIDENT	PR NUMBER	PIDENT TITLE
wdleng.c	portc2	B	wdleng01	349	PORTABLE C, LOCAL SYSTEM IDENTIFIER
who.c	cmd6	B	who01	318	WHO IS ON THE SYSTEM
write.s	clib7	B	write01	327	WRITE ON A FILE
write.s	cmd6	B	write01	318	WRITE TO ANOTHER USER
y0.c	yacc	C	y001	347	YACC SOURCE FILES, PART 1
y1.c	yacc	C	y101	347	YACC SOURCE FILES, PART 2
y2.c	yacc	C	y201	347	YACC SOURCE FILES, PART 3
y3.c	yacc	C	y301	347	YACC SOURCE FILES, PART 4
y4.c	yacc	C	y401	347	YACC SOURCE FILES, PART 5
y5.c	yacc	C	y501	347	YACC SOURCE FILES, PART 6
yopti.c	yacc	C	yopti01	347	YACC OPTIMIZER POSTPASS
yyless.c	lexcl	C	yyless01	344	LEXLIB STRING CONTRACTION DEFAULT
yymore.c	lexcl	C	yymore01	344	LEXLIB STRING EXPANSION DEFAULT
yywrap.c	lexcl	C	yywrap01	344	LEXLIB END OF FILE DEFAULT
zacc.c	yacc	C	zacc01	347	YACC DEFAULT ACCEPT PROGRAM
zerr.c	yacc	C	zerr01	347	YACC ERROR REPORTER
zinit.c	yacc	C	zinit01	347	YACC DEFAULT INITIALIZER PROGRAM