

PERMUTED INDEX

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	access: determine accessibility of file.	access(2)
access: determine	accessibility of file.	access(2)
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	acct: turn accounting on or off.	acct(2)
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dn: DN-11	ACU interface.	dn(4)
	adb: debugger.	adb(1)
basename: strip filename	affixes.	basename(1)
learn: computer	aided instruction about UNIX.	learn(1)
	alarm: schedule signal after specified time.	alarm(2)
brk, sbrk, break: change core	allocation.	brk(2)
malloc, free, realloc, calloc: main memory	allocator.	malloc(3)
lex: generator of lexical	analysis programs.	lex(1)
bcd: convert to	antique media.	bcd(6)
	a.out: assembler and link editor output.	a.out(5)
	ar: archive and library maintainer.	ar(1)
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ar:	archive and library maintainer.	ar(1)
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ar:	archive (library) file format.	ar(5)
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	arcv: convert archives to new format.	arcv(1M)
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gmtime, asctime, timezone: convert date and time to	ASCII. ctime, localtime,	ctime(3)
ascii: map of	ASCII character set.	ascii(7)
	ascii: map of ASCII character set.	ascii(7)
atof, atoi, atol: convert	ASCII to numbers.	atof(3)
ctime, localtime, gmtime,	asctime, timezone: convert date and time to ASCII.	ctime(3)
sin, cos, tan,	asin, acos, atan, atan2: trigonometric functions.	sin(3M)
as:	assembler.	as(1)
a.out:	assembler and link editor output.	a.out(5)
	assert: program verification.	assert(3x)
setbuf:	assign buffering to a stream.	setbuf(3S)
kl: KL-11 or DL-11	asynchronous interface.	kl(4)
sin, cos, tan, asin, acos,	atan, atan2: trigonometric functions.	sin(3M)
sin, cos, tan, asin, acos, atan,	atan2: trigonometric functions.	sin(3M)
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atof,	atoi, atol: convert ASCII to numbers.	atof(3)
atoi, atoi,	atol: convert ASCII to numbers.	atof(3)
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	awk: pattern scanning and processing language.	awk(1)
	backgammon: the game.	backgammon(6)
fetch, store, delete, firstkey, nextkey: data	base subroutines. dbminit,	dbm(3x)
	basename: strip filename affixes.	basename(1)
	bc: arbitrary-precision arithmetic language.	bc(1)
	bcd: convert to antique media.	bcd(6)
cb: C program	beautifier.	cb(1)
j0, j1, jn, y0, y1, yn:	bessel functions.	j0(3M)

fread, fwrite: buffered	binary input/output.	fread(3S)
strip: remove symbols and relocation	bits.	strip(1)
sync: update the super	block.	sync(1M)
update: periodically update the super	block.	update(8)
sum: sum and count	blocks in a file.	sum(1)
ching, fortune: the	book of changes and other cookies.	ching(6)
	boot procedures: UNIX/32V startup.	bproc(8)
brk, sbrk,	break: change core allocation.	brk(2)
login,/ sh, for, case, if, while, :, .,	break, continue, cd, eval, exec, exit, export,	sh(1)
	brk, sbrk, break: change core allocation.	brk(2)
fread, fwrite:	buffered binary input/output.	fread(3S)
stdio: standard	buffered input/output package.	stdio(3S)
setbuf: assign	buffering to a stream.	setbuf(3S)
mknod:	build special file.	mknod(1M)
swab: swap	bytes.	swab(3)
cc:	C compiler.	cc(1)
cb:	C program beautifier.	cb(1)
lint: a	C program verifier.	lint(1)
sdb:	C symbolic debugger.	sdb(1)
hypot,	cabs: euclidean distance.	hypot(3M)
	cal: print calendar.	cal(1)
dc: desk	calculator.	dc(1)
cal: print	calendar.	cal(1)
	calendar: reminder service.	calendar(1)
indir, syscall: indirect system	call.	indir(2)
	call: ring a telephone.	call(1C)
cu:	call UNIX.	cu(1C)
malloc, free, realloc,	calloc: main memory allocator.	malloc(3)
intro, errno: introduction to system	calls and error numbers.	intro(2)
cd, eval, exec, exit, export, login,/ sh, for,	case, if, while, :, ., break, continue,	sh(1)
	cat: catenate and print.	cat(1)
	cat: phototypesetter interface.	cat(4)
signal:	catch or ignore signals.	signal(2)
cat:	catenate and print.	cat(1)
	cb: C program beautifier.	cb(1)
	cc: C compiler.	cc(1)
	cd: change working directory.	cd(1)
/case, if, while, :, ., break, continue,	cd, eval, exec, exit, export, login, newgrp, read,/	sh(1)
fabs, floor,	ceil: absolute value, floor, ceiling functions.	floor(3M)
fabs, floor, ceil: absolute value, floor,	ceiling functions.	floor(3M)
ching, fortune: the book of	changes and other cookies.	ching(6)
pipe: create an interprocess	channel.	pipe(2)
ungetc: push	character back into input stream.	ungetc(3S)
isspace, ispunct, isprint, iscntrl, isascii:	character classification. /isdigit, isalnum,	ctype(3)
eqnchar: special	character definitions for eqn.	eqnchar(7)
getc, getchar, fgetc, getw: get	character or word from stream.	getc(3S)
putc, putchar, fputc, putw: put	character or word on a stream.	putc(3S)
ascii: map of ASCII	character set.	ascii(7)
tr: translate	characters.	tr(1)
	chdir: change default directory.	chdir(2)
dcheck: file system directory consistency	check.	dcheck(1M)
icheck: file system storage consistency	check.	icheck(1M)
eqn, neqn,	checkeq: typeset mathematics.	eqn(1)
chown,	chgrp: change owner or group.	chown(1)
cookies.	ching, fortune: the book of changes and other	ching(6)
	chmod: change mode.	chmod(1)
	chmod: change mode of file.	chmod(2)
	chown: change owner and group of a file.	chown(2)
	chown, chgrp: change owner or group.	chown(1)
ispunct, isprint, iscntrl, isascii: character	classification. /isdigit, isalnum, isspace,	ctype(3)
clri:	clear i-node.	clri(1M)
feof, ferror,	clearerr, fileno: stream status inquiries.	ferror(3S)
cron:	clock daemon.	cron(1M)
cron:	clock daemon.	cron(8)
	clri: clear i-node.	clri(1M)
	cmp: compare two files.	cmp(1)
	col: filter reverse line feeds.	col(1)
files.	comm: select or reject lines common to two sorted	comm(1)
system: issue a shell	command.	system(3)
test: condition	command.	test(1)
time: time a	command.	time(1)
getarg, iargc:	command arguments to Fortran.	getarg(3f)
nice, nohup: run a	command at low priority.	nice(1)
uux: unix to unix	command execution.	uux(1C)
nohup: run a	command immune to hangups.	nohup(1)
readonly, set, shift, times, trap, umask, wait:	command language. /export, login, newgrp, read,	sh(1)

intro: introduction to	commands.	intro(1)
at: execute	commands at a later time.	at(1)
comm: select or reject lines	common to two sorted files.	comm(1)
dc: DC-11	communications interface.	dc(4)
dh: DH-11	communications multiplexer.	dh(4)
dz: DZ-11	communications multiplexer.	dz(4)
diff: differential file	comparator.	diff(1)
cmp:	compare two files.	cmp(1)
diff3: 3-way differential file	comparison.	diff3(1)
uudiff: directory	comparison between machines.	uudiff(1C)
ar11: PDP-11	compatible archive and library maintainer.	ar11(1)
cc: C	compiler.	cc(1)
f77: Fortran 77	compiler.	f77(1)
rc: Ratfor	compiler.	rc(1)
yacc: yet another	compiler-compiler.	yacc(1)
wait: wait	completion of process.	wait(1)
learn:	computer aided instruction about UNIX.	learn(1)
test:	condition command.	test(1)
dcheck: file system directory	consistency check.	dcheck(1M)
icheck: file system storage	consistency check.	icheck(1M)
mkfs:	construct a file system.	mkfs(1M)
deroff: remove nroff, troff, tbl and eqn	constructs.	deroff(1)
ls: list	contents of directory.	ls(1)
sh, for, case, if, while, :, ., break,	continue, cd, eval, exec, exit, export, login,/	sh(1)
ioctl, stty, gtty:	control device.	ioctl(2)
init: process	control initialization.	init(8)
terminals:	conventional names.	term(7)
ecvt, fcvt, gcvt: output	conversion.	ecvt(3)
printf, fprintf, sprintf: formatted output	conversion.	printf(3S)
scanf, fscanf, sscanf: formatted input	conversion.	scanf(3S)
units:	conversion program.	units(1)
dd:	convert and copy a file.	dd(1)
number:	convert Arabic numerals to English.	number(1)
arcv:	convert archives to new format.	arcv(1M)
atof, atoi, atol:	convert ASCII to numbers.	atof(3)
l3tol, ltol3:	convert between 3-byte integers and long integers.	l3tol(3)
ctime, localtime, gmtime, asctime, timezone:	convert date and time to ASCII.	ctime(3)
bcd:	convert to antique media.	bcd(6)
ching, fortune: the book of changes and other	cookies.	ching(6)
cp:	copy.	cp(1)
uucp, uulog: unix to unix	copy.	uucp(1C)
dd: convert and	copy a file.	dd(1)
brk, sbrk, break: change	core allocation.	brk(2)
	core: format of memory image file.	core(5)
functions. sin,	cos, tan, asin, acos, atan, atan2: trigonometric	sin(3M)
sinh,	cosh, tanh: hyperbolic functions.	sinh(3M)
wc: word	count.	wc(1)
sum: sum and	count blocks in a file.	sum(1)
	cp: copy.	cp(1)
crash: what to do when the system	crash: what to do when the system crashes.	crash(8)
	crashes.	crash(8)
	creat: create a new file.	creat(2)
	pipe: create an interprocess channel.	pipe(2)
	mpx: create and manipulate multiplexed files.	mpx(2)
umask: set file	creation mode mask.	umask(2)
	cron: clock daemon.	cron(1M)
	cron: clock daemon.	cron(8)
	crypt: encode/decode.	crypt(1)
	crypt, setkey, encrypt: DES encryption.	crypt(3)
convert date and time to ASCII.	ctime, localtime, gmtime, asctime, timezone:	ctime(3)
	cu: call UNIX.	cu(1C)
spline: interpolate smooth	curve.	spline(1G)
cron: clock	daemon.	cron(1M)
cron: clock	daemon.	cron(8)
lpd: line printer	daemon.	lpd(8)
fget.demon, fget.odemon: fget	daemons.	fget.demon(8)
prof: display profile	data.	prof(1)
ttys: terminal initialization	data.	ttys(5)
dbminit, fetch, store, delete, firstkey, nextkey:	data base subroutines.	dbm(3x)
null:	data sink.	null(4)
types: primitive system	data types.	types(5)
join: relational	database operator.	join(1)
dp: DP-11 201	data-phone interface.	dp(4)
date: print and set the	date.	date(1)
time, ftime: get	date and time.	time(2)

localtime, gmtime, asctime, timezone: convert	date and time to ASCII.	ctime(3)
touch; update	date last modified of a file.	touch(1)
	date: print and set the date.	date(1)
data base subroutines.	dbm: dbm, fetch, store, delete, firstkey, nextkey:	dbm(3x)
	dc: DC-11 communications interface.	dc(4)
	dc: desk calculator.	dc(1)
	dc: DC-11 communications interface.	dc(4)
	dcheck: file system directory consistency check.	dcheck(1M)
	dd: convert and copy a file.	dd(1)
dump, ddate: incremental dump format.	ddate: incremental dump format.	dump(5)
adb: debugger.	adb: debugger.	adb(1)
sdb: C symbolic debugger.	sdb: debugger.	sdb(1)
tp: DEC/mag tape formats.	tp: DEC/mag tape formats.	tp(5)
tc: TC-11/TU56 DECtape.	tc: DECtape.	tc(4)
chdir: change default directory.	chdir: change default directory.	chdir(2)
eqnchar: special character definitions for eqn.	eqnchar: special character definitions for eqn.	eqnchar(7)
dbm: dbm, fetch, store, delete, firstkey, nextkey: data base subroutines.	dbm: dbm, fetch, store, delete, firstkey, nextkey: data base subroutines.	dbm(3x)
tail: deliver the last part of a file.	tail: deliver the last part of a file.	tail(1)
mesg: permit or deny messages.	mesg: permit or deny messages.	mesg(1)
constructs. deroff: remove nroff, troff, tbl and eqn	deroff: remove nroff, troff, tbl and eqn	deroff(1)
crypt, setkey, encrypt: DES encryption.	crypt, setkey, encrypt: DES encryption.	crypt(3)
dup, dup2: duplicate an open file descriptor.	dup, dup2: duplicate an open file descriptor.	dup(2)
dc: desk calculator.	dc: desk calculator.	dc(1)
access: determine accessibility of file.	access: determine accessibility of file.	access(2)
file: determine file type.	file: determine file type.	file(1)
ioctl, stty, gtty: control device.	ioctl, stty, gtty: control device.	ioctl(2)
	df: disk free.	df(1M)
dh: DH-11 communications multiplexer.	dh: DH-11 communications multiplexer.	dh(4)
dh: DH-11 communications multiplexer.	dh: DH-11 communications multiplexer.	dh(4)
ratfor: rational Fortran dialect.	ratfor: rational Fortran dialect.	ratfor(1)
	diff: differential file comparator.	diff(1)
	diff3: 3-way differential file comparison.	diff3(1)
diff: differential file comparator.	diff: differential file comparator.	diff(1)
diff3: 3-way differential file comparison.	diff3: 3-way differential file comparison.	diff3(1)
dir: format of directories.	dir: format of directories.	dir(5)
directories.	directories.	dir(5)
cd: change working directory.	cd: change working directory.	cd(1)
chdir: change default directory.	chdir: change default directory.	chdir(2)
ls: list contents of directory.	ls: list contents of directory.	ls(1)
mkdir: make a directory.	mkdir: make a directory.	mkdir(1)
uudiff: directory comparison between machines.	uudiff: directory comparison between machines.	uudiff(1C)
dcheck: file system directory consistency check.	dcheck: file system directory consistency check.	dcheck(1M)
unlink: remove directory entry.	unlink: remove directory entry.	unlink(2)
pwd: working directory name.	pwd: working directory name.	pwd(1)
mknod: make a directory or a special file.	mknod: make a directory or a special file.	mknod(2)
hp: RH-11/RP04, RP05, RP06, RM03 moving-head disk.	hp: RH-11/RP04, RP05, RP06, RM03 moving-head disk.	hp(4)
rk: RK-11/RK03 or RK05 disk.	rk: RK-11/RK03 or RK05 disk.	rk(4)
rp: RP-11/RP03 moving-head disk.	rp: RP-11/RP03 moving-head disk.	rp(4)
hs: RH11/RS03-RS04 fixed-head disk file.	hs: RH11/RS03-RS04 fixed-head disk file.	hs(4)
rf: RF11/RS11 fixed-head disk file.	rf: RF11/RS11 fixed-head disk file.	rf(4)
df: disk free.	df: disk free.	df(1M)
du: summarize disk usage.	du: summarize disk usage.	du(1)
mount, umount: mount and dismount file system.	mount, umount: mount and dismount file system.	mount(1M)
prof: display profile data.	prof: display profile data.	prof(1)
hypot, cabs: euclidean distance.	hypot, cabs: euclidean distance.	hypot(3M)
sysgen: UNIX/32V system generation from the distribution tape.	sysgen: UNIX/32V system generation from the distribution tape.	sysgen(8)
kl: KL-11 or DL-11 asynchronous interface.	kl: KL-11 or DL-11 asynchronous interface.	kl(4)
dn: DN-11 ACU interface.	dn: DN-11 ACU interface.	dn(4)
dn: DN-11 ACU interface.	dn: DN-11 ACU interface.	dn(4)
lookbib: find and insert literature references in documents. refer,	lookbib: find and insert literature references in documents. refer,	refer(1)
	dp: DP-11 201 data-phone interface.	dp(4)
	dp: DP-11 201 data-phone interface.	dp(4)
graph: draw a graph.	graph: draw a graph.	graph(1G)
arithmetic: provide drill in number facts.	arithmetic: provide drill in number facts.	arithmetic(6)
	du: summarize disk usage.	du(1)
dump: incremental file system dump.	dump: incremental file system dump.	dump(1M)
od: octal dump.	od: octal dump.	od(1)
	dump, ddate: incremental dump format.	dump(5)
dump, ddate: incremental dump format.	dump, ddate: incremental dump format.	dump(5)
	dump: incremental file system dump.	dump(1M)
dumpdir: print the names of files on a dump tape.	dumpdir: print the names of files on a dump tape.	dumpdir(1M)
	dumpdir: print the names of files on a dump tape.	dumpdir(1M)
	dup, dup2: duplicate an open file descriptor.	dup(2)
	dup2: duplicate an open file descriptor.	dup(2)
dup, dup2: duplicate an open file descriptor.	dup, dup2: duplicate an open file descriptor.	dup(2)
	dz: DZ-11 communications multiplexer.	dz(4)

dz:	DZ-11 communications multiplexer.	dz(4)
echo:	echo arguments.	echo(1)
	echo: echo arguments.	echo(1)
	ecvt, fcvt, gcvt: output conversion.	ecvt(3)
	ed: text editor.	ed(1)
	edata: last locations in program.	end(3)
end, etext,	editor.	ed(1)
ed: text	editor.	ld(1)
ld: link	editor.	sed(1)
sed: stream	editor output.	a.out(5)
a.out: assembler and link	egrep, fgrep: search a file for a pattern.	grep(1)
grep,	encode/decode.	crypt(1)
crypt:	encrypt: DES encryption.	crypt(3)
crypt, setkey,	encryption.	crypt(3)
crypt, setkey, encrypt: DES	encryption key.	makekey(8)
makekey: generate	end, etext, edata: last locations in program.	end(3)
	endgrent: get group file entry.	getgrent(3)
getgrent, getgrgid, getgrnam, setgrent,	endpwent: get password file entry.	getpwent(3)
getpwent, getpwuid, getpwnam, setpwent,	English.	number(1)
number: convert Arabic numerals to	enroll: secret mail.	xsend(1)
xsend, xget,	entries from name list.	nlist(3)
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getgrnam, setgrent, endgrent: get group file	entry. getpwent, getpwuid,	getpwent(3)
getpwnam, setpwent, endpwent: get password file	entry.	unlink(2)
unlink: remove directory	environ: execute a file. execl,	exec(2)
execv, execl, execlp, execlp, execvp, exec, exece,	environ: user environment.	environ(5)
	environment.	environ(5)
environ: user	environment name.	getenv(3)
getenv: value for	eqn.	eqnchar(7)
eqnchar: special character definitions for	eqn constructs.	deroff(1)
deroff: remove nroff, troff, tbl and	eqn, neqn, checked: typeset mathematics.	eqn(1)
	eqnchar: special character definitions for eqn.	eqnchar(7)
numbers. intro,	errno: introduction to system calls and error	intro(2)
perror, sys_errlist, sys_nerr: system	error messages.	perror(3)
intro, errno: introduction to system calls and	error numbers.	intro(2)
spell, spellin, spellout: find spelling	errors.	spell(1)
plot: openpl	et al.: graphics interface.	plot(3x)
end,	etext, edata: last locations in program.	end(3)
hypot, cabs:	euclidean distance.	hypot(3M)
/if, while, :, ., break, continue, cd,	eval, exec, exit, export, login, newgrp, read,/	sh(1)
expr:	evaluate arguments as an expression.	expr(1)
execl, execv, execl, execlp, execlp, execlp,	exec, exece, environ: execute a file.	exec(2)
/while, :, ., break, continue, cd, eval,	exec, exit, export, login, newgrp, read, readonly,/	sh(1)
execl, execv, execl, execlp, execlp, execlp, exec,	exece, environ: execute a file.	exec(2)
exece, environ: execute a file.	execl, execv, execl, execlp, execlp, execlp, exec,	exec(2)
environ: execute a file. execl, execv,	execl, execv, execl, execlp, execlp, execlp, exece,	exec(2)
file. execl, execv, execl, execlp,	execlp, execv, exec, exece, environ: execute a	exec(2)
sticky:	executable files with persistent text.	sticky(8)
execlp, execlp, execlp, exec, exece, environ:	execute a file. execl, execv, execl,	exec(2)
at:	execute commands at a later time.	at(1)
uux: unix to unix command	execution.	uux(1C)
acct:	execution accounting file.	acct(5)
sleep: suspend	execution for an interval.	sleep(1)
sleep: suspend	execution for interval.	sleep(3)
monitor: prepare	execution profile.	monitor(3)
profil:	execution time profile.	profil(2)
environ: execute a file. execl,	execv, execl, execlp, execlp, execlp, execlp, exece,	exec(2)
execute a file. execl, execv, execl,	execv, execlp, execlp, execlp, exece, environ:	exec(2)
execl, execv, execl, execlp, execlp,	execv, exec, exece, environ: execute a file.	exec(2)
/: ., break, continue, cd, eval, exec,	exit, export, login, newgrp, read, readonly, set,/	sh(1)
	exit: terminate process.	exit(2)
power, square root.	exp, log, log10, pow, sqrt: exponential, logarithm,	exp(3M)
frexp, ldexp, modf: split into mantissa and	exponent.	frexp(3)
exp, log, log10, pow, sqrt:	exponential, logarithm, power, square root.	exp(3M)
/: ., break, continue, cd, eval, exec, exit,	export, login, newgrp, read, readonly, set, shift,/	sh(1)
	expr: evaluate arguments as an expression.	expr(1)
expr: evaluate arguments as an	expression.	expr(1)
greek: graphics for	extended TTY-37 type-box.	greek(7)
kill: terminate a process with	extreme prejudice.	kill(1)
	f77: Fortran 77 compiler.	f77(1)
functions.	fabs, floor, ceil: absolute value, floor, ceiling	floor(3M)
arithmetic: provide drill in number	facts.	arithmetic(6)
pstat: print system	facts.	pstat(1M)
true,	false: provide truth values.	true(1)
abort: generate a	fault.	abort(3)
export, login,/ sh, for, case, if, while, :,	., break, continue, cd, eval, exec, exit,	sh(1)

exit, export, login, sh, for, case, if, while,	;, ,, break, continue, cd, eval, exec,	sh(1)
ecvt,	fclose, fflush: close or flush a stream.	fclose(3S)
fopen, freopen,	fcvt, gcvt: output conversion.	ecvt(3)
col: filter reverse line	fdopen: open a stream.	fopen(3S)
inquiries.	feeds.	col(1)
feof,	feof, ferror, clearerr, fileno: stream status	ferror(3S)
subroutines. dbmopen,	ferror, clearerr, fileno: stream status inquiries.	ferror(3S)
fclose,	fetch, store, delete, firstkey, nextkey: data base	dbm(3x)
fget.demon, fget.odemon:	fflush: close or flush a stream.	fclose(3S)
getc, getchar,	fget daemons.	fget.demon(8)
	fgetc, getw: get character or word from stream.	getc(3S)
	fget.demon, fget.odemon: fget daemons.	fget.demon(8)
fget.demon,	fget.odemon: fget daemons.	fget.demon(8)
gets,	fgets: get a string from a stream.	gets(3S)
grep, egrep,	fgrep: search a file for a pattern.	grep(1)
access: determine accessibility of	file.	access(2)
acct: execution accounting	file.	acct(5)
chmod: change mode of	file.	chmod(2)
chown: change owner and group of a	file.	chown(2)
close: close a	file.	close(2)
core: format of memory image	file.	core(5)
creat: create a new	file.	creat(2)
dd: convert and copy a	file.	dd(1)
execlp, execvp, exec, exece, environ: execute a	file. execl, execv, exece, execve,	exec(2)
group: group	file.	group(5)
hs: RH11/RS03-RS04 fixed-head disk	file.	hs(4)
link: link to a	file.	link(2)
mknod: build special	file.	mknod(1M)
mknod: make a directory or a special	file.	mknod(2)
passwd: password	file.	passwd(5)
pr: print	file.	pr(1)
read: read from	file.	read(2)
rev: reverse lines of a	file.	rev(1)
rf: RF11/RS11 fixed-head disk	file.	rf(4)
size: size of an object	file.	size(1)
sum: sum and count blocks in a	file.	sum(1)
tail: deliver the last part of a	file.	tail(1)
touch: update date last modified of a	file.	touch(1)
uniq: report repeated lines in a	file.	uniq(1)
write: write on a	file.	write(2)
diff: differential	file comparator.	diff(1)
diff3: 3-way differential	file comparison.	diff3(1)
umask: set	file creation mode mask.	umask(2)
dup, dup2: duplicate an open	file descriptor.	dup(2)
	file: determine file type.	file(1)
getgrgid, getgrnam, setgrent, endgrent: get group	file entry. getgrent,	getgrent(3)
getpwnam, setpwent, endpwent: get password	file entry. getpwent, getpwuid,	getpwent(3)
grep, egrep, fgrep: search a	file for a pattern.	grep(1)
ar: archive (library)	file format.	ar(5)
split: split a	file into pieces.	split(1)
mktemp: make a unique	file name.	mktemp(3)
stat, fstat: get	file status.	stat(2)
mkfs: construct a	file system.	mkfs(1M)
mount, umount: mount and dismount	file system.	mount(1M)
mount, umount: mount or remove	file system.	mount(2)
dcheck:	file system directory consistency check.	dcheck(1M)
dump: incremental	file system dump.	dump(1M)
hier:	file system hierarchy.	hier(7)
quot: summarize	file system ownership.	quot(1M)
restor: incremental	file system restore.	restor(1M)
icheck:	file system storage consistency check.	icheck(1M)
mtab: mounted	file system table.	mtab(5)
filsys, flblk, ino: format of	file system volume.	filsys(5)
utime: set	file times.	utime(2)
file: determine	file type.	file(1)
basename: strip	filename affixes.	basename(1)
feof, ferror, clearerr,	fileno: stream status inquiries.	ferror(3S)
cmp: compare two	files.	cmp(1)
comm: select or reject lines common to two sorted	files.	comm(1)
find: find	files.	find(1)
mpx: create and manipulate multiplexed	files.	mpx(2)
mv: move or rename	files.	mv(1)
rm, rmdir: remove (unlink)	files.	rm(1)
sort: sort or merge	files.	sort(1)
dumpdir: print the names of	files on a dump tape.	dumpdir(1M)
sticky: executable	files with persistent text.	sticky(8)

	filsys, flblk, ino: format of file system volume.	filsys(5)
col:	filter reverse line feeds.	col(1)
plot: graphics	filters.	plot(1G)
dbmunit, fetch, store, delete,	firstkey, nextkey: data base subroutines.	dbm(3x)
tee: pipe	fitting.	tee(1)
hs: RH11/RS03-RS04	fixed-head disk file.	hs(4)
rf: RF11/RS11	fixed-head disk file.	rf(4)
filsys,	flblk, ino: format of file system volume.	filsys(5)
functions. fabs,	floor, ceil: absolute value, floor, ceiling	floor(3M)
fabs, floor, ceil: absolute value,	floor, ceiling functions.	floor(3M)
fclose, fflush: close or	flush a stream.	fclose(3S)
continue, cd, eval, exec, exit, export, login,/ sh,	fopen, freopen, fdopen: open a stream.	fopen(3S)
	for, case, if, while, :, , break,	sh(1)
	fork: spawn new process.	fork(2)
ar: archive (library) file	format.	ar(5)
arcv: convert archives to new	format.	arcv(1M)
dump, ddate: incremental dump	format.	dump(5)
dir:	format of directories.	dir(5)
filsys, flblk, ino:	format of file system volume.	filsys(5)
core:	format of memory image file.	core(5)
tbl:	format tables for nroff or troff.	tbl(1)
tp: DEC/mag tape	formats.	tp(5)
scanf, fscanf, sscanf:	formatted input conversion.	scanf(3S)
printf, fprintf, sprintf:	formatted output conversion.	printf(3S)
troff, nroff: text	formatting and typesetting.	troff(1)
ms: macros for	formatting manuscripts.	ms(7)
getarg, iargc: command arguments to	Fortran.	getarg(3f)
f77:	Fortran 77 compiler.	f77(1)
ratfor: rational	Fortran dialect.	ratfor(1)
struct: structure	Fortran programs.	struct(1)
ching,	fortune: the book of changes and other cookies.	ching(6)
exit, export,/ sh, for, case, if, while, :	, , break, continue, cd, eval, exec,	sh(1)
printf,	fprintf, sprintf: formatted output conversion.	printf(3S)
putc, putchar,	fputc, putw: put character or word on a stream.	putc(3S)
puts,	fputs: put a string on a stream.	puts(3S)
	fread, fwrite: buffered binary input/output.	fread(3S)
df: disk	free.	df(1M)
malloc,	free, realloc, calloc: main memory allocator.	malloc(3)
fopen,	freopen, fdopen: open a stream.	fopen(3S)
exponent.	frexp, ldexp, modf: split into mantissa and	frexp(3)
scanf,	fscanf, sscanf: formatted input conversion.	scanf(3S)
	fseek, ftell, rewind: reposition a stream.	fseek(3S)
stat,	fstat: get file status.	stat(2)
fseek,	ftell, rewind: reposition a stream.	fseek(3S)
time,	ftime: get date and time.	time(2)
gamma: log gamma	function.	gamma(3M)
fabs, floor, ceil: absolute value, floor, ceiling	functions.	floor(3M)
intro: introduction to library	functions.	intro(3)
j0, j1, jn, y0, y1, yn: bessell	functions.	j0(3M)
cos, tan, asin, acos, atan, atan2: trigonometric	functions. sin,	sin(3M)
sinh, cosh, tanh: hyperbolic	functions.	sinh(3M)
fread,	fwrite: buffered binary input/output.	fread(3S)
backgammon: the	game.	backgammon(6)
wump: the	game of hunt-the-wumpus.	wump(6)
gamma: log	gamma function.	gamma(3M)
	gamma: log gamma function.	gamma(3M)
ecvt, fcvt,	gcvt: output conversion.	ecvt(3)
abort:	generate a fault.	abort(3)
maze:	generate a maze problem.	maze(6)
makekey:	generate encryption key.	makekey(8)
ncheck:	generate names from i-numbers.	ncheck(1M)
sysgen: UNIX/32V system	generation from the distribution tape.	sysgen(8)
rand, srand: random number	generator.	rand(3)
lex:	generator of lexical analysis programs.	lex(1)
	getarg, iargc: command arguments to Fortran.	getarg(3f)
from stream.	getc, getchar, fgetc, getw: get character or word	getc(3S)
stream. getc,	getchar, fgetc, getw: get character or word from	getc(3S)
getuid, getgid, geteuid,	getgid: get user and group identity.	getuid(2)
	getenv: value for environment name.	getenv(3)
getuid, getgid,	geteuid, getgid: get user and group identity.	getuid(2)
identity. getuid,	getgid, geteuid, getgid: get user and group	getuid(2)
get group file entry.	getgrent, getgrgid, getgrnam, setgrent, endgrent:	getgrent(3)
file entry. getgrent,	getgrgid, getgrnam, setgrent, endgrent: get group	getgrent(3)
getgrent, getgrgid,	getgrnam, setgrent, endgrent: get group file entry.	getgrent(3)
	getlogin: get login name.	getlogin(3)
	getpass: read a password.	getpass(3)

get password file entry.	getpid: get process identification.	getpid(2)
entry. getpwent, getpwuid,	getpw: get name from UID.	getpw(3)
password file entry. getpwent,	getpwent, getpwuid, getpwnam, setpwent, endpwent:	getpwent(3)
	getpwnam, setpwent, endpwent: get password file . . .	getpwent(3)
	getpwuid, getpwnam, setpwent, endpwent: get . . .	getpwent(3)
	gets, fgets: get a string from a stream.	gets(3S)
	getty: set terminal mode.	getty(8)
group identity.	getuid, getgid, geteuid, getegid: get user and	getuid(2)
getc, getchar, fgets,	getw: get character or word from stream.	getc(3S)
ASCII. ctime, localtime,	gmtime, asctime, timezone: convert date and time to .	ctime(3)
setjmp, longjmp: non-local	goto.	setjmp(3)
graph: draw a	graph.	graph(1G)
	graph: draw a graph.	graph(1G)
plot:	graphics filters.	plot(1G)
greek:	graphics for extended TTY-37 type-box.	greek(7)
plot: openpl et al.:	graphics interface.	plot(3x)
plot:	graphics interface.	plot(5)
	greek: graphics for extended TTY-37 type-box. . . .	greek(7)
chown, chgrp: change owner or	grep, egrep, fgrep: search a file for a pattern. . . .	grep(1)
newgrp: log in to a new	group.	chown(1)
make: maintain program	group.	newgrp(1)
	groups.	make(1)
	ioctl, stty,	ioctl(2)
	stty,	stty(2)
hangman:	gtty: control device.	hangman(6)
	gtty: set and retrieve terminal modes.	hangman(6)
nohup: run a command immune to	guess the word.	hangman(6)
	hangman: guess the word.	hangman(6)
	hangups.	nohup(1)
	hier: file system hierarchy.	hier(7)
hier: file system	hierarchy.	hier(7)
wtmp: user login	history.	wtm(5)
	hp: RH-11/RP04, RP05, RP06, RM03 moving-head disk.	hp(4)
	hs: RH11/RS03-RS04 fixed-head disk file.	hs(4)
	ht: RH-11/TE-16 magtape interface.	ht(4)
wump: the game of	hunt-the-wumpus.	wump(6)
sinh, cosh, tanh:	hyperbolic functions.	sinh(3M)
	hypot, cabs: euclidean distance.	hypot(3M)
getarg,	iargc: command arguments to Fortran.	getarg(3f)
	icheck: file system storage consistency check. . . .	icheck(1M)
setuid, setgid: set user and group	ID.	setuid(2)
su: substitute user	id temporarily.	su(1)
getpid: get process	identification.	getpid(2)
getgid, geteuid, getegid: get user and group	identity. getuid, ...	getuid(2)
eval, exec, exit, export, login, sh, for, case,	if, while, :, . . . , break, continue, cd, ...	sh(1)
signal: catch or	ignore signals.	signal(2)
core: format of memory	image file.	core(5)
nohup: run a command	immune to hangups.	nohup(1)
dump, ddate:	incremental dump format.	dump(5)
dump:	incremental file system dump.	dump(1M)
restor:	incremental file system restore.	restor(1M)
ptx: permuted	index.	ptx(1)
strcatn, strcmp, strcmpn, strcpy, strcpy, strlen,	index, rindex: string operations. strcat, ...	string(3)
	indir, syscall: indirect system call.	indir(2)
indir, syscall:	indirect system call.	indir(2)
	init: process control initialization.	init(8)
init: process control	initialization.	init(8)
ttys: terminal	initialization data.	ttys(5)
popen, pclose:	initiate I/O to/from a process.	popen(3S)
filsys, flblk,	ino: format of file system volume.	filsys(5)
clri: clear	i-node.	clri(1M)
scanf, fscanf, sscanf: formatted	input conversion.	scanf(3S)
ungetc: push character back into	input stream.	ungetc(3S)
fread, fwrite: buffered binary	input/output.	fread(3S)
stdio: standard buffered	input/output package.	stdio(3S)
feof, ferror, clearerr, fileno: stream status	inquiries.	ferror(3S)
uulog: uucp user log	inquiry.	uulog(1C)
refer, lookbib: find and	insert literature references in documents.	refer(1)
learn: computer aided	instruction about UNIX.	learn(1)
abs:	integer absolute value.	abs(3)
l3tol3: convert between 3-byte integers and long	integers. l3tol, ...	l3tol(3)
l3tol, l3tol3: convert between 3-byte	integers and long integers.	l3tol(3)
cat: phototypesetter	interface.	cat(4)
dc: DC-11 communications	interface.	dc(4)
dn: DN-11 ACU	interface.	dn(4)
dp: DP-11 201 data-phone	interface.	dp(4)
ht: RH-11/TE-16 magtape	interface.	ht(4)
kl: KL-11 or DL-11 asynchronous	interface.	kl(4)

plot: openpl et al.: graphics	interface.	plot (3x)
plot: graphics	interface.	plot (5)
tm: TM-11/TU-10 magtape	interface.	tm (4)
tty: general terminal	interface.	tty (4)
spline:	interpolate smooth curve.	spline (1G)
pipe: create an	interprocess channel.	pipe (2)
sleep: suspend execution for an	interval.	sleep (1)
sleep: suspend execution for	interval.	sleep (3)
error numbers.	intro, errno: introduction to system calls and	intro (2)
	intro: introduction to commands.	intro (1)
	intro: introduction to library functions.	intro (3)
	intro: introduction to commands.	intro (1)
	intro: introduction to library functions.	intro (3)
	intro, errno: introduction to system calls and error numbers.	intro (2)
ncheck: generate names from	i-numbers.	ncheck (1M)
mpxio: multiplexed	i/o.	mpxio (5)
iostat: report	I/O statistics.	iostat (1M)
popen, pclose: initiate	I/O to/from a process.	popen (3S)
	ioctl, stty, gtty: control device.	ioctl (2)
	iostat: report I/O statistics.	iostat (1M)
isascii:/ isalpha, isupper, islower, isdigit,	isalnum, isspace, ispunct, isprint, iscntrl,	ctype (3)
isspace, ispunct, isprint, iscntrl, isascii:/	isalpha, isupper, islower, isdigit, isalnum,	ctype (3)
isalnum, isspace, ispunct, isprint, iscntrl,	isascii: character classification. /isdigit,	ctype (3)
ttyname,	isatty, ttyslot: find name of a terminal.	ttyname (3)
/isdigit, isalnum, isspace, ispunct, isprint,	iscntrl, isascii: character classification.	ctype (3)
iscntrl, isascii:/ isalpha, isupper, islower,	isdigit, isalnum, isspace, ispunct, isprint,	ctype (3)
isprint, iscntrl, isascii:/ isalpha, isupper,	islower, isdigit, isalnum, isspace, ispunct,	ctype (3)
islower, isdigit, isalnum, isspace, ispunct,	isprint, iscntrl, isascii: character/ /isupper,	ctype (3)
/isupper, islower, isdigit, isalnum, isspace,	ispunct, isprint, iscntrl, isascii: character/	ctype (3)
isalpha, isupper, islower, isdigit, isalnum,	isspace, ispunct, isprint, iscntrl, isascii:/	ctype (3)
system:	issue a shell command.	system (3)
ispunct, isprint, iscntrl, isascii:/ isalpha,	isupper, islower, isdigit, isalnum, isspace,	ctype (3)
	j0, j1, jn, y0, y1, yn: bessel functions.	j0 (3M)
j0,	j1, jn, y0, y1, yn: bessel functions.	j0 (3M)
j0, j1,	jn, y0, y1, yn: bessel functions.	j0 (3M)
makekey: generate encryption	join: relational database operator.	join (1)
	key.	makekey (8)
	kill: send signal to a process.	kill (2)
	kill: terminate a process with extreme prejudice.	kill (1)
	kl: KL-11 or DL-11 asynchronous interface.	kl (4)
	KL-11 or DL-11 asynchronous interface.	kl (4)
kl:	kmem: main memory.	mem (4)
mem,	knowledge.	quiz (6)
quiz: test your	l3tol, ltol3: convert between 3-byte integers and	l3tol (3)
long integers.	language.	awk (1)
awk: pattern scanning and processing	language.	bc (1)
bc: arbitrary-precision arithmetic	language. /export, login, newgrp, read, readonly,	sh (1)
set, shift, times, trap, umask, wait: command	ld: link editor.	ld (1)
	ldexp, modf: split into mantissa and exponent.	frexp (3)
frexp,	learn: computer aided instruction about UNIX.	learn (1)
	lex: generator of lexical analysis programs.	lex (1)
lex: generator of	lexical analysis programs.	lex (1)
lorder: find ordering relation for an object	library.	lorder (1)
ar: archive	(library) file format.	ar (5)
intro: introduction to	library functions.	intro (3)
ar: archive and	library maintainer.	ar (1)
ar11: PDP-11 compatible archive and	library maintainer.	ar11 (1)
comm: select or reject	lines common to two sorted files.	comm (1)
uniq: report repeated	lines in a file.	uniq (1)
look: find	lines in a sorted list.	look (1)
rev: reverse	lines of a file.	rev (1)
ln: make a	link.	ln (1)
ld:	link editor.	ld (1)
a.out: assembler and	link editor output.	a.out (5)
	link: link to a file.	link (2)
link:	link to a file.	link (2)
	lint: a C program verifier.	lint (1)
look: find lines in a sorted	list.	look (1)
nlist: get entries from name	list.	nlist (3)
nm: print name	list.	nm (1)
ls:	list contents of directory.	ls (1)
refer, lookbib: find and insert	literature references in documents.	refer (1)
	ln: make a link.	ln (1)
and time to ASCII. ctime,	localtime, gmtime, asctime, timezone: convert date	ctime (3)
end, etext, edata: last	locations in program.	end (3)
gamma:	log gamma function.	gamma (3M)

newgrp:	log in to a new group.	newgrp(1)
uulog: uucp user	log inquiry.	uulog(1C)
power, square root. exp, square root. exp, log, exp, log, log10, pow, sqrt: exponential, logarithm, power, square root.	log, log10, pow, sqrt: exponential, logarithm, power, logarithm, power, square root.	exp(3M) exp(3M) exp(3M)
ac:	login accounting.	ac(1M)
wtmp: user	login history.	wtmp(5)
getlogin: get	login name.	getlogin(3)
/break, continue, cd, eval, exec, export, passwd: change	login, newgrp, read, readonly, set, shift, times, /login password.	sh(1) passwd(1)
utmp, wtmp:	login records.	utmp(5)
	login: sign on.	login(1)
setjmp,	longjmp: non-local goto.	setjmp(3)
documents. refer,	lookbib: find and insert literature references in	refer(1)
library.	lorder: find ordering relation for an object	lorder(1)
nice, nohup: run a command at	low priority.	nice(1)
	lp: line printer.	lp(4)
	lpd: line printer daemon.	lpd(8)
	lpr, vpr: line printer spooler.	lpr(1)
	ls: list contents of directory.	ls(1)
	lseek, tell: move read/write pointer.	lseek(2)
integers. l3tol,	l3tol3: convert between 3-byte integers and long	l3tol(3)
uudiff: directory comparison between	m4: macro processor.	m4(1)
m4:	machines.	uudiff(1C)
ms:	macro processor.	m4(1)
man:	macros for formatting manuscripts.	ms(7)
ht: RH-11/TE-16	macros to typeset manual.	man(7)
tm: TM-11/TU-10	magtape interface.	ht(4)
xsend, xget, enroll: secret	magtape interface.	tm(4)
mail: send or receive	mail.	xsend(1)
	mail among users.	mail(1)
	mail: send or receive mail among users.	mail(1)
mem, kmem:	main memory.	mem(4)
malloc, free, realloc, calloc:	main memory allocator.	malloc(3)
make:	maintain program groups.	make(1)
ar: archive and library	maintainer.	ar(1)
ar11: PDP-11 compatible archive and library	maintainer.	ar11(1)
	makekey: generate encryption key.	makekey(8)
allocator.	malloc, free, realloc, calloc: main memory	malloc(3)
mpx: create and	manipulate multiplexed files.	mpx(2)
tp:	manipulate tape archive.	tp(1)
frexp, ldexp, modf: split into	mantissa and exponent.	frexp(3)
man: print sections of this	manual.	man(1)
man: macros to typeset	manual.	man(7)
ms: macros for formatting	manuscripts.	ms(7)
ascii:	map of ASCII character set.	ascii(7)
umask: set file creation mode	mask.	umask(2)
eqn, neqn, checkeq: typeset	mathematics.	eqn(1)
	maze: generate a maze problem.	maze(6)
maze: generate a	maze problem.	maze(6)
bcd: convert to antique	media.	bcd(6)
mem, kmem: main	mem, kmem: main memory.	mem(4)
malloc, free, realloc, calloc: main	memory.	mem(4)
core: format of	memory allocator.	malloc(3)
sort: sort or	memory image file.	core(5)
	merge files.	sort(1)
mesg: permit or deny	mesg: permit or deny messages.	mesg(1)
perror, sys_errlist, sys_nerr: system error	messages.	mesg(1)
	messages.	perror(3)
	mkdir: make a directory.	mkdir(1)
	mkfs: construct a file system.	mkfs(1M)
	mknod: build special file.	mknod(1M)
	mknod: make a directory or a special file.	mknod(2)
	mktemp: make a unique file name.	mktemp(3)
chmod: change	mode.	chmod(1)
getty: set terminal	mode.	getty(8)
umask: set file creation	mode mask.	umask(2)
chmod: change	mode of file.	chmod(2)
stty, gtty: set and retrieve terminal	modes.	stty(2)
frexp, ldexp,	modf: split into mantissa and exponent.	frexp(3)
touch: update date last	modified of a file.	touch(1)
	monitor: prepare execution profile.	monitor(3)
mount, umount:	mount and dismount file system.	mount(1M)
mount, umount:	mount or remove file system.	mount(2)
	mount, umount: mount and dismount file system.	mount(1M)
	mount, umount: mount or remove file system.	mount(2)

mtab:	mounted file system table.	mtab(5)
mv:	move or rename files.	mv(1)
lseek, tell:	move read/write pointer.	lseek(2)
hp: RH-11/RP04, RP05, RP06, RM03	moving-head disk.	hp(4)
rp: RP-11/RP03	moving-head disk.	rp(4)
	mpx: create and manipulate multiplexed files.	mpx(2)
	mpxio: multiplexed i/o.	mpxio(5)
	ms: macros for formatting manuscripts.	ms(7)
	mtab: mounted file system table.	mtab(5)
mpx: create and manipulate	multiplexed files.	mpx(2)
mpxio:	multiplexed i/o.	mpxio(5)
dh: DH-11 communications	multiplexer.	dh(4)
dz: DZ-11 communications	multiplexer.	dz(4)
	mv: move or rename files.	mv(1)
getenv: value for environment	name.	getenv(3)
getlogin: get login	name.	getlogin(3)
mktemp: make a unique file	name.	mktemp(3)
pwd: working directory	name.	pwd(1)
tty: get terminal	name.	tty(1)
terminals: conventional	names.	term(7)
ncheck: generate	names from i-numbers.	ncheck(1M)
dumpdir: print the	names of files on a dump tape.	dumpdir(1M)
	ncheck: generate names from i-numbers.	ncheck(1M)
eqn,	neqn, checkeq: typeset mathematics.	eqn(1)
	newgrp: log in to a new group.	newgrp(1)
/continue, cd, eval, exec, exit, export, login,	newgrp, read, readonly, set, shift, times, trap,/	sh(1)
dbminit, fetch, store, delete, firstkey,	nextkey: data base subroutines.	dbm(3x)
	nice, nohup: run a command at low priority.	nice(1)
	nice: set program priority.	nice(2)
	nlist: get entries from name list.	nlist(3)
	nm: print name list.	nm(1)
nice,	nohup: run a command at low priority.	nice(1)
	nohup: run a command immune to hangups.	nohup(1)
setjmp, longjmp:	non-local goto.	setjmp(3)
tbl: format tables for	nrff or troff.	tbl(1)
troff,	nrff: text formatting and typesetting.	troff(1)
deroff: remove	nrff, troff, tbl and eqn constructs.	deroff(1)
	null: data sink.	null(4)
atof, atoi, atol: convert ASCII to	numbers.	atof(3)
errno: introduction to system calls and error	numbers. intro,	intro(2)
number: convert Arabic	numerals to English.	number(1)
size: size of an	object file.	size(1)
lorder: find ordering relation for an	object library.	lorder(1)
od:	octal dump.	od(1)
	od: octal dump.	od(1)
acct: turn accounting on or	off.	acct(2)
login: sign	on.	login(1)
plot:	openpl et al.: graphics interface.	plot(3x)
strcpy, strcpyn, strlen, index, rindex: string	operations. strcat, strcatn, strcmp, strcmpn,	string(3)
join: relational database	operator.	join(1)
stty: set terminal	options.	stty(1)
lorder: find	ordering relation for an object library.	lorder(1)
a.out: assembler and link editor	output.	a.out(5)
ecvt, fcvt, gcvt:	output conversion.	ecvt(3)
printf, fprintf, sprintf: formatted	output conversion.	printf(3S)
chown: change	owner and group of a file.	chown(2)
chown, chgrp: change	owner or group.	chown(1)
quot: summarize file system	ownership.	quot(1M)
stdio: standard buffered input/output	package.	stdio(3S)
tk:	paginator for the Tektronix 4014.	tk(1)
pc: PC-11	paper tape reader/punch.	pc(4)
	passwd: change login password.	passwd(1)
	passwd: password file.	passwd(5)
getpass: read a	password.	getpass(3)
passwd: change login	password.	passwd(1)
passwd:	password file.	passwd(5)
getpwuid, getpwnam, setpwent, endpwent: get	password file entry. getpwent,	getpwent(3)
grep, egrep, fgrep: search a file for a	pattern.	grep(1)
awk:	pattern scanning and processing language.	awk(1)
	pause: stop until signal.	pause(2)
pc:	PC-11 paper tape reader/punch.	pc(4)
popen,	PC-11 paper tape reader/punch.	pc(4)
ar11:	pclose: initiate I/O to/from a process.	popen(3S)
update:	PDP-11 compatible archive and library maintainer.	ar11(1)
mesg:	periodically update the super block.	update(8)
	permit or deny messages.	mesg(1)

ptx:	permuted index.	ptx(1)
messages.	perror, sys_errlist, sys_nerr: system error	perror(3)
sticky: executable files with	persistent text.	sticky(8)
cat:	phototypesetter interface.	cat(4)
tc:	phototypesetter simulator.	tc(1)
split: split a file into	pieces.	split(1)
	pipe: create an interprocess channel.	pipe(2)
tee:	pipe fitting.	tee(1)
	plot: graphics filters.	plot(1G)
	plot: graphics interface.	plot(5)
	plot: openpl et al.: graphics interface.	plot(3x)
lseek, tell: move read/write	pointer.	lseek(2)
	popen, pclose: initiate I/O to/from a process.	popen(3S)
root. exp, log, log10,	pow, sqrt: exponential, logarithm, power, square	exp(3M)
exp, log, log10, pow, sqrt: exponential, logarithm,	power, square root.	exp(3M)
	pr: print file.	pr(1)
kill: terminate a process with extreme	prejudice.	kill(1)
monitor:	prepare execution profile.	monitor(3)
types:	primitive system data types.	types(5)
cat: catenate and	print.	cat(1)
date:	print and set the date.	date(1)
cal:	print calendar.	cal(1)
pr:	print file.	pr(1)
nm:	print name list.	nm(1)
man:	print sections of this manual.	man(1)
pstat:	print system facts.	pstat(1M)
dumpdir:	print the names of files on a dump tape.	dumpdir(1M)
lp: line	printer.	lp(4)
lpd: line	printer daemon.	lpd(8)
lpr, vpr: line	printer spooler.	lpr(1)
vp: Versatec	printer-plotter.	vp(4)
conversion.	printf, sprintf, sprintf: formatted output	printf(3S)
nice, nohup: run a command at low	priority.	nice(1)
nice: set program	priority.	nice(2)
maze: generate a maze	problem.	maze(6)
boot	procedures: UNIX/32V startup.	bproc(8)
exit: terminate	process.	exit(2)
fork: spawn new	process.	fork(2)
kill: send signal to a	process.	kill(2)
popen, pclose: initiate I/O to/from a	process.	popen(3S)
wait: await completion of	process.	wait(1)
init:	process control initialization.	init(8)
getpid: get	process identification.	getpid(2)
ps:	process status.	ps(1)
times: get	process times.	times(2)
wait: wait for	process to terminate.	wait(2)
ptrace:	process trace.	ptrace(2)
kill: terminate a	process with extreme prejudice.	kill(1)
awk: pattern scanning and	processing language.	awk(1)
m4: macro	processor.	m4(1)
	prof: display profile data.	prof(1)
	profil: execution time profile.	profil(2)
monitor: prepare execution	profile.	monitor(3)
profil: execution time	profile.	profil(2)
prof: display	profile data.	prof(1)
end, etext, edata: last locations in	program.	end(3)
units: conversion	program.	units(1)
lex: generator of lexical analysis	programs.	lex(1)
struct: structure Fortran	programs.	struct(1)
arithmetic:	provide drill in number facts.	arithmetic(6)
true, false:	provide truth values.	true(1)
	ps: process status.	ps(1)
	pstat: print system facts.	pstat(1M)
	ptrace: process trace.	ptrace(2)
	ptx: permuted index.	ptx(1)
ungetc:	push character back into input stream.	ungetc(3S)
on a stream.	putc, putchar, fputc, putw: put character or word	putc(3S)
stream. putc,	putchar, fputc, putw: put character or word on a	putc(3S)
	puts, fputs: put a string on a stream.	puts(3S)
putc, putchar, fputc,	putw: put character or word on a stream.	putc(3S)
	pwd: working directory name.	pwd(1)
qsort:	qsort: quicker sort.	qsort(3)
	quicker sort.	qsort(3)
	quiz: test your knowledge.	quiz(6)
	quot: summarize file system ownership.	quot(1M)
	rand, srand: random number generator.	rand(3)

rand, srand:	random number generator.	rand(3)
rc:	Ratfor compiler.	rc(1)
ratfor:	rational Fortran dialect.	ratfor(1)
rc:	Ratfor compiler.	rc(1)
getpass:	read a password.	getpass(3)
read:	read from file.	read(2)
	read: read from file.	read(2)
wait:/ cd, eval, exec, exit, export, login, newgrp,	read, readonly, set, shift, times, trap, umask,	sh(1)
pc: PC-11 paper tape	reader/punch.	pc(4)
open: open for	reading or writing.	open(2)
/cd, eval, exec, exit, export, login, newgrp, read,	readonly, set, shift, times, trap, umask, wait:/	sh(1)
lseek, tell: move	read/write pointer.	lseek(2)
malloc, free,	realloc, calloc: main memory allocator.	malloc(3)
mail: send or	receive mail among users.	mail(1)
utmp, wtmp: login	records.	utmp(5)
references in documents.	refer, lookbib: find and insert literature	refer(1)
refer, lookbib: find and insert literature	references in documents.	refer(1)
comm: select or	reject lines common to two sorted files.	comm(1)
lorder: find ordering	relation for an object library.	lorder(1)
join:	relational database operator.	join(1)
strip: remove symbols and	relocation bits.	strip(1)
calendar:	reminder service.	calendar(1)
unlink:	remove directory entry.	unlink(2)
mount, umount: mount or	remove file system.	mount(2)
deroff:	remove nroff, troff, tbl and eqn constructs.	deroff(1)
strip:	remove symbols and relocation bits.	strip(1)
rm, rmdir:	remove (unlink) files.	rm(1)
mv: move or	rename files.	mv(1)
uniq: report	repeated lines in a file.	uniq(1)
iostat:	report I/O statistics.	iostat(1M)
uniq:	report repeated lines in a file.	uniq(1)
fseek, ftell, rewind:	reposition a stream.	fseek(3S)
restor: incremental file system	restor: incremental file system restore.	restor(1M)
stty, gtty: set and	restore.	restor(1M)
	retrieve terminal modes.	stty(2)
col: filter	rev: reverse lines of a file.	rev(1)
rev:	reverse line feeds.	col(1)
fseek, ftell,	reverse lines of a file.	rev(1)
rf:	rewind: reposition a stream.	fseek(3S)
hp:	RF11/RS11 fixed-head disk file.	rf(4)
hs:	RF11/RS11 fixed-head disk file.	rf(4)
ht:	RH-11/RS03-RS04 fixed-head disk file.	hs(4)
strcmp, strcmpn, strcpy, strcpyn, strlen, index,	RH-11/TE-16 magtape interface.	ht(4)
call:	ring: string operations. strcat, strcatn,	string(3)
rk: RK-11/RK03 or	ring a telephone.	call(1C)
rk:	rk: RK-11/RK03 or RK05 disk.	rk(4)
hp: RH-11/RP04, RP05, RP06,	RK05 disk.	rk(4)
rm,	RK-11/RK03 or RK05 disk.	rk(4)
pow, sqrt: exponential, logarithm, power, square	rm, rmdir: remove (unlink) files.	rm(1)
	RM03 moving-head disk.	hp(4)
hp: RH-11/RP04,	rmdir: remove (unlink) files.	rm(1)
hp: RH-11/RP04, RP05,	root. exp, log, log10,	exp(3M)
rp:	rp: RP-11/RP03 moving-head disk.	rp(4)
nice, nohup:	RP05, RP06, RM03 moving-head disk.	hp(4)
nohup:	RP06, RM03 moving-head disk.	hp(4)
brk,	RP-11/RP03 moving-head disk.	rp(4)
awk: pattern	run a command at low priority.	nice(1)
alarm:	run a command immune to hangups.	nohup(1)
grep, egrep, fgrep:	sa, accton: system accounting.	sa(1M)
xsend, xget, enroll:	sbrk, break: change core allocation.	brk(2)
man: print	scanf, fscanf, sscanf: formatted input conversion.	scanf(3S)
	scanning and processing language.	awk(1)
comm:	schedule signal after specified time.	alarm(2)
mail:	sdb: C symbolic debugger.	sdb(1)
kill:	search a file for a pattern.	grep(1)
calendar: reminder	secret mail.	xsend(1)
set.	sections of this manual.	man(1)
/exec, exit, export, login, newgrp, read, readonly,	sed: stream editor.	sed(1)
	select or reject lines common to two sorted files.	comm(1)
	send or receive mail among users.	mail(1)
	send signal to a process.	kill(2)
	service.	calendar(1)
	set.	ascii(7)
	set, shift, times, trap, umask, wait: command/	sh(1)

	setbuf: assign buffering to a stream.	setbuf(3S)
	setgid: set user and group ID.	setuid(2)
setuid, getgrent, getgrgid, getgrnam,	setgrent, endgrent: get group file entry.	getgrent(3)
	setjmp, longjmp: non-local goto.	setjmp(3)
	crypt, setkey, encrypt: DES encryption.	crypt(3)
getpwent, getpwuid, getpwnam,	setpwent, endpwent: get password file entry.	getpwent(3)
	setuid, setgid: set user and group ID.	setuid(2)
continue, cd, eval, exec, exit, export, login,/	sh, for, case, if, while, :, ., break, ...	sh(1)
system: issue a	shell command.	system(3)
/exit, export, login, newgrp, read, readonly, set,	shift, times, trap, umask, wait: command language.	sh(1)
login:	sign on.	login(1)
pause: stop until	signal.	pause(2)
alarm: schedule	signal after specified time.	alarm(2)
	signal: catch or ignore signals.	signal(2)
	signal to a process.	kill(2)
kill: send	signals.	signal(2)
signal: catch or ignore	simulator.	tc(1)
tc: photypesetter	sin, cos, tan, asin, acos, atan, atan2:	sin(3M)
trigonometric functions.	sinh, cosh, tanh: hyperbolic functions.	sinh(3M)
	sin.	null(4)
null: data	size of an object file.	size(1)
size:	size: size of an object file.	size(1)
	sleep: suspend execution for an interval.	sleep(1)
	sleep: suspend execution for interval.	sleep(3)
spline: interpolate	smooth curve.	spline(1G)
qsort: quicker	sort.	qsort(3)
tsort: topological	sort.	tsort(1)
sort:	sort or merge files.	sort(1)
	sort: sort or merge files.	sort(1)
comm: select or reject lines common to two	sorted files.	comm(1)
look: find lines in a	sorted list.	look(1)
fork:	spawn new process.	fork(2)
alarm: schedule signal after	specified time.	alarm(2)
	spell, spellin, spellout: find spelling errors.	spell(1)
spell,	spellin, spellout: find spelling errors.	spell(1)
spell, spellin, spellout: find	spelling errors.	spell(1)
spell, spellin,	spellout: find spelling errors.	spell(1)
	spline: interpolate smooth curve.	spline(1G)
split:	split a file into pieces.	split(1)
frexp, ldexp, modf:	split into mantissa and exponent.	frexp(3)
	split: split a file into pieces.	split(1)
lpr, vpr: line printer	spooler.	lpr(1)
printf, fprintf,	sprintf: formatted output conversion.	printf(3S)
exp, log, log10, pow,	sqrt: exponential, logarithm, power, square root.	exp(3M)
log10, pow, sqrt: exponential, logarithm, power,	square root. exp, log, ...	exp(3M)
rand,	rand: random number generator.	rand(3)
scanf, fscanf,	scanf: formatted input conversion.	scanf(3S)
stdio:	standard buffered input/output package.	stdio(3S)
boot procedures: UNIX/32V	startup.	bproc(8)
	stat, fstat: get file status.	stat(2)
iostat: report I/O	statistics.	iostat(1M)
ps: process	status.	ps(1)
stat, fstat: get file	status.	stat(2)
feof, ferror, clearerr, fileno: stream	status inquiries.	ferror(3S)
	stdio: standard buffered input/output package.	stdio(3S)
	sticky: executable files with persistent text.	sticky(8)
	stime: set time.	stime(2)
pause:	stop until signal.	pause(2)
icheck: file system	storage consistency check.	icheck(1M)
subroutines. dbmopen, fetch,	store, delete, firstkey, nextkey: data base	dbm(3x)
strlen, index, rindex: string operations.	strcat, strcatn, strcmp, strcmpn, strcpy, strcpyn, ...	string(3)
index, rindex: string operations. strcat,	strcatn, strcmp, strcmpn, strcpy, strcpyn, strlen, ...	string(3)
rindex: string operations. strcat, strcatn,	strcmp, strcmpn, strcpy, strcpyn, strlen, index, ...	string(3)
string operations. strcat, strcatn, strcmp,	strcmpn, strcpy, strcpyn, strlen, index, rindex:	string(3)
operations. strcat, strcatn, strcmp, strcmpn,	strcpy, strcpyn, strlen, index, rindex: string	string(3)
strcat, strcatn, strcmp, strcmpn, strcpy,	strcpyn, strlen, index, rindex: string operations.	string(3)
fclose, fflush: close or flush a	stream.	fclose(3S)
fopen, freopen, fdopen: open a	stream.	fopen(3S)
fseek, ftell, rewind: reposition a	stream.	fseek(3S)
getchar, fgetc, getw: get character or word from	stream. getc, ...	getc(3S)
gets, fgets: get a string from a	stream.	gets(3S)
putchar, fputc, putw: put character or word on a	stream. putc, ...	putc(3S)
puts, fputs: put a string on a	stream.	puts(3S)
setbuf: assign buffering to a	stream.	setbuf(3S)
ungetc: push character back into input	stream.	ungetc(3S)
sed:	stream editor.	sed(1)

feof, ferror, clearerr, fileno:	stream status inquiries.	ferror(3S)
gets, fgets: get a	string from a stream.	gets(3S)
puts, fputs: put a	string on a stream.	puts(3S)
strcmpn, strcpy, strcpyn, strlen, index, rindex:	string operations. strcat, strcatn, strcmp,	string(3)
basename:	strip filename affixes.	basename(1)
strcat, strcatn, strcmp, strcmpn, strcpy, strcpyn,	strip: remove symbols and relocation bits.	strip(1)
	strlen, index, rindex: string operations.	string(3)
	struct: structure Fortran programs.	struct(1)
	structure Fortran programs.	struct(1)
ioctl,	stty, gtty: control device.	ioctl(2)
	stty, gtty: set and retrieve terminal modes.	stty(2)
	stty: set terminal options.	stty(1)
fetch, store, delete, firstkey, nextkey: data base	su: substitute user id temporarily.	su(1)
	subroutines. dbminit,	dbm(3x)
	substitute user id temporarily.	su(1)
	sum: sum and count blocks in a file.	sum(1)
	sum: sum and count blocks in a file.	sum(1)
	du: summarize disk usage.	du(1)
	quot: summarize file system ownership.	quot(1M)
sync: update the	super block.	sync(1M)
update: periodically update the	super block.	update(8)
sync: update	super-block.	sync(2)
sleep:	suspend execution for an interval.	sleep(1)
sleep:	suspend execution for interval.	sleep(3)
	swab: swap bytes.	swab(3)
	swab: swap bytes.	swab(3)
sdb: C	symbolic debugger.	sdb(1)
strip: remove	symbols and relocation bits.	strip(1)
	sync: update super-block.	sync(2)
	sync: update the super block.	sync(1M)
	syscall: indirect system call.	indir(2)
indir,	sys_errlist, sys_nerr: system error messages.	perror(3)
perror,	sysgen: UNIX/32V system generation from the	sysgen(8)
distribution tape.	sys_nerr: system error messages.	perror(3)
perror, sys_errlist,	system.	mkfs(1M)
mkfs: construct a file	system.	mount(1M)
mount, umount: mount and dismount file	system.	mount(2)
mount, umount: mount or remove file	system.	who(1)
who: who is on the	table.	mtab(5)
mtab: mounted file system	tbl: format	tbl(1)
tbl: format	tabs: set terminal	tabs(1)
tabs: set terminal	tabs: set terminal tabs.	tabs(1)
	tail: deliver the last part of a file.	tail(1)
functions. sin, cos,	tan, asin, acos, atan, atan2: trigonometric	sin(3M)
sinh, cosh,	tanh: hyperbolic functions.	sinh(3M)
dumpdir: print the names of files on a dump	tape.	dumpdir(1M)
UNIX/32V system generation from the distribution	tape. sysgen:	sysgen(8)
tp: manipulate	tape archive.	tp(1)
tar:	tape archiver.	tar(1)
tp: DEC/mag	tape formats.	tp(5)
pc: PC-11 paper	tape reader/punch.	pc(4)
	tar: tape archiver.	tar(1)
deroff: remove nroff, troff,	tbl and eqn constructs.	deroff(1)
	tbl: format tables for nroff or troff.	tbl(1)
	tc: phototypesetter simulator.	tc(1)
	tc: TC-11/TU56 DECTape.	tc(4)
	tc: TC-11/TU56 DECTape.	tc(4)
	tee: pipe fitting.	tee(1)
tk: paginator for the	Tektronix 4014.	tk(1)
call: ring a	telephone.	call(1C)
su: substitute user id	temporarily.	su(1)
ttyname, isatty, ttyslot: find name of a	terminal.	ttyname(3)
ttys:	terminal initialization data.	ttys(5)
tty: general	terminal interface.	tty(4)
getty: set	terminal mode.	getty(8)
stty, gtty: set and retrieve	terminal modes.	stty(2)
tty: get	terminal name.	tty(1)
stty: set	terminal options.	stty(1)
tabs: set	terminal tabs.	tabs(1)
	terminals: conventional names.	term(7)
wait: wait for process to	terminate.	wait(2)
kill:	terminate a process with extreme prejudice.	kill(1)
exit:	terminate process.	exit(2)
	test: condition command.	test(1)
quiz:	test your knowledge.	quiz(6)
sticky: executable files with persistent	text.	sticky(8)

ed:	text editor.	ed(1)
troff, nroff:	text formatting and typesetting.	troff(1)
alarm: schedule signal after specified	time.	alarm(2)
at: execute commands at a later	time.	at(1)
sttime: set	time.	sttime(2)
time, ftime: get date and	time.	time(2)
times: get process	time, ftime: get date and time.	time(2)
utime: set file	times.	times(2)
export, login, newgrp, read, readonly, set, shift,	times.	utime(2)
ctime, localtime, gmtime, asctime,	times, trap, umask, wait: command language. /exit,	sh(1)
	timezone: convert date and time to ASCII.	ctime(3)
	tk: paginator for the Tektronix 4014.	tk(1)
	tm: TM-11/TU-10 magtape interface.	tm(4)
	tm: TM-11/TU-10 magtape interface.	tm(4)
popen, pclose: initiate I/O	to/from a process.	popen(3S)
tsort:	topological sort.	tsort(1)
	touch: update date last modified of a file.	touch(1)
	tp: DEC/mag tape formats.	tp(5)
	tp: manipulate tape archive.	tp(1)
	tr: translate characters.	tr(1)
ptrace: process	trace.	ptrace(2)
tr:	translate characters.	tr(1)
login, newgrp, read, readonly, set, shift, times,	trap, umask, wait: command language. /exit, export,	sh(1)
sin, cos, tan, asin, acos, atan, atan2:	trigonometric functions.	sin(3M)
tbl: format tables for nroff or	troff.	tbl(1)
	troff, nroff: text formatting and typesetting.	troff(1)
deroff: remove nroff,	troff, tbl and eqn constructs.	deroff(1)
true, false: provide	true, false: provide truth values.	true(1)
	truth values.	true(1)
	tsort: topological sort.	tsort(1)
	tty: general terminal interface.	tty(4)
	tty: get terminal name.	tty(1)
greek: graphics for extended	TTY-37 type-box.	greek(7)
	ttyname, isatty, ttyslot: find name of a terminal.	ttyname(3)
	ttys: terminal initialization data.	ttys(5)
ttyname, isatty,	ttyslot: find name of a terminal.	ttyname(3)
file: determine file	type.	file(1)
greek: graphics for extended TTY-37	type-box.	greek(7)
types: primitive system data	types.	types(5)
	types: primitive system data types.	types(5)
man: macros to	typeset manual.	man(7)
eqn, neqn, checkeq:	typeset mathematics.	eqn(1)
troff, nroff: text formatting and	typesetting.	troff(1)
getpw: get name from	UID.	getpw(3)
	umask: set file creation mode mask.	umask(2)
newgrp, read, readonly, set, shift, times, trap,	umask, wait: command language. /export, login,	sh(1)
mount,	umount: mount and dismount file system.	mount(1M)
mount,	umount: mount or remove file system.	mount(2)
	ungetc: push character back into input stream.	ungetc(3S)
	uniq: report repeated lines in a file.	uniq(1)
mktemp: make a	unique file name.	mktemp(3)
	units: conversion program.	units(1)
cu: call	UNIX.	cu(1C)
learn: computer aided instruction about	UNIX.	learn(1)
boot procedures:	UNIX/32V startup.	bproc(8)
tape. sysgen:	UNIX/32V system generation from the distribution	sysgen(8)
rm, rmdir: remove	(unlink) files.	rm(1)
	unlink: remove directory entry.	unlink(2)
touch:	update date last modified of a file.	touch(1)
	update: periodically update the super block.	update(8)
sync:	update super-block.	sync(2)
sync:	update the super block.	sync(1M)
update: periodically	update the super block.	update(8)
du: summarize disk	usage.	du(1)
write: write to another	user.	write(1)
setuid, setgid: set	user and group ID.	setuid(2)
getuid, getgid, geteuid, getegid: get	user and group identity.	getuid(2)
environ:	user environment.	environ(5)
su: substitute	user id temporarily.	su(1)
uulog: uucp	user log inquiry.	uulog(1C)
wtmp:	user login history.	wtmp(5)
mail: send or receive mail among	users.	mail(1)
wall: write to all	users.	wall(1M)
	utime: set file times.	utime(2)
	utmp, wtmp: login records.	utmp(5)
uulog:	uucp user log inquiry.	uulog(1C)

	uucp, uulog: unix to unix copy.	uucp(1C)
	uudiff: directory comparison between machines.	uudiff(1C)
uucp,	uulog: unix to unix copy.	uucp(1C)
	uulog: uucp user log inquiry.	uulog(1C)
	uux: unix to unix command execution.	uux(1C)
abs: integer absolute	value.	abs(3)
fabs, floor, ceil: absolute	value, floor, ceiling functions.	floor(3M)
getenv:	value for environment name.	getenv(3)
true, false: provide truth	values.	true(1)
assert: program	verification.	assert(3x)
lint: a C program	verifier.	lint(1)
vp:	Versatec printer-plotter.	vp(4)
filsys, flblk, ino: format of file system	volume.	filsys(5)
	vp: Versatec printer-plotter.	vp(4)
lpr,	vpr: line printer spooler.	lpr(1)
read, readonly, set, shift, times, trap, umask,	wait: wait completion of process.	wait(1)
wait:	wait: command language. /export, login, newgrp, ...	sh(1)
	wait: wait for process to terminate.	wait(2)
	wait: wait for process to terminate.	wait(2)
	wall: write to all users.	wall(1M)
	wc: word count.	wc(1)
exec, exit, export, login,/ sh, for, case, if,	while, :, . . . , break, continue, cd, eval, ...	sh(1)
hangman: guess the	word.	hangman(6)
cd: change	working directory.	cd(1)
pwd:	working directory name.	pwd(1)
write:	write on a file.	write(2)
wall:	write to all users.	wall(1M)
write:	write to another user.	write(1)
	write: write on a file.	write(2)
	write: write to another user.	write(1)
open: open for reading or	writing.	open(2)
utmp,	wtmp: login records.	utmp(5)
	wtmp: user login history.	wtmp(5)
	wump: the game of hunt-the-wumpus.	wump(6)
xsend,	xget, enroll: secret mail.	xsend(1)
	xsend, xget, enroll: secret mail.	xsend(1)
j0, j1, jn,	y0, y1, yn: bessell functions.	j0(3M)
j0, j1, jn, y0,	y1, yn: bessell functions.	j0(3M)
	yacc: yet another compiler-compiler.	yacc(1)
j0, j1, jn, y0, y1,	yn: bessell functions.	j0(3M)

