

User Space

User commands

Shell (sh)		Program Development									File Management					Text Processing				
		as	ar	b	bas	ed	db	for	ld	nm	...	ls	cp	cmp	mkdir	ln	...	wc	cat	sort

Multiuser Commands					User Messaging			Document Preparation				Games				
login	chown	chmod	su	who	...	mail	msg	write	roff	form	pr	...	bj	chess	moo	ttt

Administrator and System Commands

Filesystem Management								Peripheral access							...
check	mkfs	mount	umount	rkd	rkl	rkf	...	bcd	dtf	lbppt	rew	tap	type	...	

Library

Assembly Subroutines Library														B Library											
atof	atoi	ctime	exp	fttrap	ftoa	get	itoa	log	mesg	ptime	putc	sin	switch	char	getchr	putchr	printf	lchar	execl	execv	intr	link	mkdir	ctime	...

Kernel Space

System Call Interface

break	cent	chdir	chmod	chown	close	creat	exec	exit	fork	fstat	getuid	gtty	ilgins	intr	link	mkdir	mdate	mount	open	quit	read	rele	seek	setuid	smdate	stat	stime	stty	tell	time	umount	unlink	wait	write
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Boot Loader

Kernel Utility Functions

iget
access
mget
wakeup
sleep
namei
panic
free
alloc

I/O Subsystem

Special Devices				Filesystem		
Line discipline	tty	Raw character	Raw disk	inode layer		
				block layer		
Device Drivers						
Character Devices				Block Devices		
Keyboard	Printer	Paper tape	...	rk: RK03 disk	rf: RF11 disk	
					mem	

Process Control Subsystem

Scheduler	Swap manager	Memory manager	...
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