

User Space

User commands

Program Development									
as	ar	b	bas	ed	db	for	ld	nm	...

File Management				
ls	cp	cmp	mkdir	ln
				...

Multiuser Commands				
login	chown	chmod	su	who
				...

Text Processing		
wc	cat	sort

User Messaging		
mail	msg	write

Document Preparation			
roff	form	pr	..

Games			
bj	chess	moo	ttt

Administrator and System Commands

Filesystem Management						
check	mkfs	mount	umount	rkd	rkl	rkf
						...

Peripheral access					
bcd	dtf	lbptt	rew	tap	type
					...

...

Library

Assembly Subroutines Library													
atof	atoi	ctime	exp	fptrap	ftoa	get	itoa	log	msg	ptime	putc	sin	switch

B Library											
char	getchr	putchr	printf	lchar	exed	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			
Line discipline	tty	Raw character	Raw disk

Filesystem	
inode layer	
block layer	

Device Drivers

Character Devices			
Keyboard	Printer	Paper tape	...

Block Devices		
rk: RK03 disk	rf: RF11 disk	mem

Process Control Subsystem

Scheduler	Swap manager	Memory manager	..
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