```
enum {
	/* Linux system calls */
	Lsetup = 0,
	Lexit,
	Lfork,
	Lread,
	Lwrite,
	Lopen = 5,
	Lclose,
	Lwaitpid,
	Lcreat,
	Llink,
	Lunlink		= 10 ,
	Lexecve,
	Lchdir,
	Ltime,
	Lmknod,
	Lchmod		= 15 ,
	Llchown,
	Lsyscall_17,
	Lstat,
	Llseek,
	Lgetpid		= 20 ,
	Lmount,
	Lumount,
	Lsetuid,
	Lgetuid,
	Lstime		= 25 ,
	Lptrace,
	Lalarm,
	Lfstat,
	Lpause,
	Lutime		= 30 ,
	Lsyscall_31,
	Lsyscall_32,
	Laccess,
	Lnice,
	Lsyscall_35	= 35,
	Lsync,
	Lkill,
	Lrename,
	Lmkdir,
	Lrmdir		= 40 ,
	Ldup,
	Lpipe,
	Ltimes,
	Lsyscall_44,
	Lbrk		= 45,
	Lsetgid,
	Lgetgid,
	Lsignal,
	Lgeteuid,
	Lgetegid			= 50 ,
	Lacct,
	Lsyscall_52,
	Lsyscall_53,
	Lioctl,
	Lfcntl		= 55 ,
	Lsyscall_56,
	Lsetpgid,
	Lsyscall_58,
	Lolduname,
	Lumask		= 60 ,
	Lchroot,
	Lustat,
	Ldup2,
```



```
	Lgetppid,
	Lgetpgrp			= 65 ,
	Lsetsid,
	Lsigaction,
	Lsgetmask,
	Lssetmask,
	Lsetreuid			= 70 ,
	Lsetregid,
	Lsigsuspend,
	Lsigpending,
	Lsethostname,
	Lsetrlimit	= 75 ,
	Lgetrlimit,
	Lgetrusage,
	Lgettimeofday,
	Lsettimeofday,
	Lgetgroups	= 80 ,
	Lsetgroups,
	Lold_select,
	Lsymlink,
	Llstat,
	Lreadlink			= 85 ,
	Luselib,
	Lswapon,
	Lreboot,
	Lold_readdir,
	Lold_mmap			= 90 ,
	Lmunmap,
	Ltruncate,
	Lftruncate,
	Lfchmod,
	Lfchown		= 95 ,
	Lgetpriority,
	Lsetpriority,
	Lsyscall_98,
	Lstatfs,
	Lfstatfs			= 100 ,
	Lioperm,
	Lsocketcall,
	Lsyslog,
	Lsetitimer,
	Lgetitimer	= 105 ,
	Lnewstat,
	Lnewlstat,
	Lnewfstat,
	Luname,
	Liopl		= 110 ,
	Lvhangup,
	Lidle,
	Lvm86old,
	Lwait4,
	Lswapoff			= 115 ,
	Lsysinfo,
	Lipc,
	Lfsync,
	Lsigreturn,
	Lclone		= 120 ,
	Lsetdomainname,
	Lnewuname,
	Lmodify_ldt,
	Ladjtimex,
	Lmprotect			= 125 ,
	Lsigprocmask,
	Lcreate_module,
	Linit_module,
	Ldelete_module,
```

```
	Lget_kernel_syms	= 130 ,
	Lquotactl,
	Lgetpgid,
	Lfchdir,
	Lbdflush,
	Lsysfs		= 135 ,
	Lpersonality,
	Lsyscall_137,
	Lsetfsuid,
	Lsetfsgid,
	Lllseek		= 140 ,
	Lgetdents,
	Lselect,
	Lflock,
	Lmsync,
	Lreadv		= 145 ,
	Lwritev,
	Lgetsid,
	Lfdatasync,
	Lsysctl,
	Lmlock		= 150 ,
	Lmunlock,
	Lmlockall,
	Lmunlockall,
	Lsched_setparam,
	Lsched_getparam   = 155 ,
	Lsched_setscheduler,
	Lsched_getscheduler,
	Lsched_yield,
	Lsched_get_priority_max,
	Lsched_get_priority_min  = 160 ,
	Lsched_rr_get_interval,
	Lnanosleep,
	Lmremap,
	Lsetresuid,
	Lgetresuid	= 165 ,
	Lvm86,
	Lquery_module,
	Lpoll,
	Lnfsservctl,
	Lsetresgid	= 170 ,
	Lgetresgid,
	Lprctl,
	Lrt_sigreturn,
	Lrt_sigaction,
	Lrt_sigprocmask = 175 ,
	Lrt_sigpending,
	Lrt_sigtimedwait,
	Lrt_sigqueueinfo,
	Lrt_sigsuspend,
	Lpread		= 180 ,
	Lpwrite,
	Lchown,
	Lgetcwd,
	LMAXSYSCALL,
};

/* linux's asm/errno.h */
#define EPERM		 1	/* Operation not permitted */
#define ENOENT		 2	/* No such file or directory */
#define ESRCH		 3	/* No such process */
#define EINTR		 4	/* Interrupted system call */
#define EIO		 5	/* I/O error */
#define ENXIO		 6	/* No such device or address */
#define E2BIG		 7	/* Arg list too long */
#define ENOEXEC		 8	/* Exec format error */
```



```
#define EBADF		 9	/* Bad file number */
#define ECHILD		10	/* No child processes */
#define EAGAIN		11	/* Try again */
#define ENOMEM		12	/* Out of memory */
#define EACCES		13	/* Permission denied */
#define EFAULT		14	/* Bad address */
#define ENOTBLK		15	/* Block device required */
#define EBUSY		16	/* Device or resource busy */
#define EEXIST		17	/* File exists */
#define EXDEV		18	/* Cross-device link */
#define ENODEV		19	/* No such device */
#define ENOTDIR		20	/* Not a directory */
#define EISDIR		21	/* Is a directory */
#define EINVAL		22	/* Invalid argument */
#define ENFILE		23	/* File table overflow */
#define EMFILE		24	/* Too many open files */
#define ENOTTY		25	/* Not a typewriter */
#define ETXTBSY		26	/* Text file busy */
#define EFBIG		27	/* File too large */
#define ENOSPC		28	/* No space left on device */
#define ESPIPE		29	/* Illegal seek */
#define EROFS		30	/* Read-only file system */
#define EMLINK		31	/* Too many links */
#define EPIPE		32	/* Broken pipe */
#define EDOM		33	/* Math argument out of domain of func */
#define ERANGE		34	/* Math result not representable */
#define EDEADLK		35	/* Resource deadlock would occur */
#define ENAMETOOLONG	36	/* File name too long */
#define ENOLCK		37	/* No record locks available */
#define ENOSYS		38	/* Function not implemented */
#define ENOTEMPTY	39	/* Directory not empty */
#define ELOOP		40	/* Too many symbolic links encountered */
#define EWOULDBLOCK	EAGAIN	/* Operation would block */
#define ENOMSG		42	/* No message of desired type */
#define EIDRM		43	/* Identifier removed */
#define ECHRNG		44	/* Channel number out of range */
#define EL2NSYNC	45	/* Level 2 not synchronized */
#define EL3HLT		46	/* Level 3 halted */
#define EL3RST		47	/* Level 3 reset */
#define ELNRNG		48	/* Link number out of range */
#define EUNATCH		49	/* Protocol driver not attached */
#define ENOCSI		50	/* No CSI structure available */
#define EL2HLT		51	/* Level 2 halted */
#define EBADE		52	/* Invalid exchange */
#define EBADR		53	/* Invalid request descriptor */
#define EXFULL		54	/* Exchange full */
#define ENOANO		55	/* No anode */
#define EBADRQC		56	/* Invalid request code */
#define EBADSLT		57	/* Invalid slot */

#define EDEADLOCK	EDEADLK

#define EBFONT		59	/* Bad font file format */
#define ENOSTR		60	/* Device not a stream */
#define ENODATA		61	/* No data available */
#define ETIME		62	/* Timer expired */
#define ENOSR		63	/* Out of streams resources */
#define ENONET		64	/* Machine is not on the network */
#define ENOPKG		65	/* Package not installed */
#define EREMOTE		66	/* Object is remote */
#define ENOLINK		67	/* Link has been severed */
#define EADV		68	/* Advertise error */
#define ESRMNT		69	/* Srmount error */
#define ECOMM		70	/* Communication error on send */
#define EPROTO		71	/* Protocol error */
#define EMULTIHOP	72	/* Multihop attempted */
```

```
#define EDOTDOT         73      /* RFS specific error */
#define EBADMSG         74      /* Not a data message */
#define EOVERFLOW       75      /* Value too large for defined data type */
#define ENOTUNIQ        76      /* Name not unique on network */
#define EBADFD          77      /* File descriptor in bad state */
#define EREMCHG         78      /* Remote address changed */
#define ELIBACC         79      /* Can not access a needed shared library */
#define ELIBBAD         80      /* Accessing a corrupted shared library */
#define ELIBSCN         81      /* .lib section in a.out corrupted */
#define ELIBMAX         82      /* Attempting to link in too many shared librarie
#define ELIBEXEC        83      /* Cannot exec a shared library directly */
#define EILSEQ          84      /* Illegal byte sequence */
#define ERESTART        85      /* Interrupted system call should be restarted */
#define ESTRPIPE        86      /* Streams pipe error */
#define EUSERS          87      /* Too many users */
#define ENOTSOCK        88      /* Socket operation on non-socket */
#define EDESTADDRREQ    89      /* Destination address required */
#define EMSGSIZE        90      /* Message too long */
#define EPROTOTYPE      91      /* Protocol wrong type for socket */
#define ENOPROTOOPT     92      /* Protocol not available */
#define EPROTONOSUPPORT 93      /* Protocol not supported */
#define ESOCKTNOSUPPORT 94      /* Socket type not supported */
#define EOPNOTSUPP      95      /* Operation not supported on transport endpoint
#define EPFNOSUPPORT    96      /* Protocol family not supported */
#define EAFNOSUPPORT    97      /* Address family not supported by protocol */
#define EADDRINUSE      98      /* Address already in use */
#define EADDRNOTAVAIL   99      /* Cannot assign requested address */
#define ENETDOWN        100     /* Network is down */
#define ENETUNREACH     101     /* Network is unreachable */
#define ENETRESET       102     /* Network dropped connection because of reset */
#define ECONNABORTED    103     /* Software caused connection abort */
#define ECONNRESET      104     /* Connection reset by peer */
#define ENOBUFS         105     /* No buffer space available */
#define EISCONN         106     /* Transport endpoint is already connected */
#define ENOTCONN        107     /* Transport endpoint is not connected */
#define ESHUTDOWN       108     /* Cannot send after transport endpoint shutdown
#define ETOOMANYREFS    109     /* Too many references: cannot splice */
#define ETIMEDOUT       110     /* Connection timed out */
#define ECONNREFUSED    111     /* Connection refused */
#define EHOSTDOWN       112     /* Host is down */
#define EHOSTUNREACH    113     /* No route to host */
#define EALREADY        114     /* Operation already in progress */
#define EINPROGRESS     115     /* Operation now in progress */
#define ESTALE          116     /* Stale NFS file handle */
#define EUCLEAN         117     /* Structure needs cleaning */
#define ENOTNAM         118     /* Not a XENIX named type file */
#define ENAVAIL         119     /* No XENIX semaphores available */
#define EISNAM          120     /* Is a named type file */
#define EREMOTEIO       121     /* Remote I/O error */
#define EDQUOT          122     /* Quota exceeded */

#define ENOMEDIUM       123     /* No medium found */
#define EMEDIUMTYPE     124     /* Wrong medium type */

#define ARG1 ((ureg)->bx)
#define ARG2 ((ureg)->cx)
#define ARG3 ((ureg)->dx)
#define ARG4 ((ureg)->si)
#define ARG5 ((ureg)->di)
#define RETURN(X) { ureg->ax = (ulong) (X); return; }
```