

指令	含义	备注
mov	转移	movx src, dest/x=b,w,l
xchg	交换数据	xchg intval1,intval2 错误
inc	+1	inc dest 算数指令都按无符号数计算
dec	-1	dec dest
add	加	add src,dest
sub	减	sub src,dest
neg	求补码	neg dest
mul	无符号乘法	mul src 结果放在eax中
div	无符号除法	div src 结果放在eax中
imul	有符号乘法	imul src/imul src dest/imul src1,src2,dest
idiv	有符号除法	idiv src
cbw/cbwe	字节扩展为字/双字	
cwd	字扩展为双字	对eax操作
cdq	双字扩展为四字	
and	按位与	and src,dest
or	按位或	or src,dest
xor	按位异或	xor src,dest
not	按位非	not dest
test	temp<-src	test src1, src2
cmp	compare	cmp src2, src1
jmp	跳转	jmp dest
ja/jnbe	jump if above	条件转移
jae/jnb	jump if above or equal	
jb/jnae	jump if below	
jbe/jna	jump if below or equal	
jg/jnle	jump if greater	
jge/jnl	jump if greater or equal	
jl/jnge	jump if less	
jle/jng	jump if less or equal	
jc	jump if carry	
jnc	jump if not carry	
je	jump if equal	
jz	jump if zero	
jne	jump if not equal	
jnz	jump if not zero	
jo	overflow	
jno	not overflow	
js	sign	
jns	not sign	
jp	parity	
jpe	parity even	
jnp	not parity	
jpo	parity odd	
jcxz	CX=0	
jecxz	ECX=0	
CMOVcc	jcc+mov	COMVcc src,dest 条件满足, dest=src
cmova/cm	move if above	
cmovae/cr	move if not below	
cmovb/cm	move if below	
cmovbe/cr	move if not above	
cmovg/cm	move if greater	
cmovge/cr	move if not less	
cmovl/cm	move if less	
cmovle/cr	move if not greater	
cmovc	carry	
cmovnc	not carry	
cmove/cm	equal/zero	

cmovne/cr not equal/not zero	
cmovo	overflow
cmovno	not overflow
cmovs	sign
cmovns	not sign
cmovp/cm parity/parity even	
cmovnp/cr not parity/parity odd	
call	过程调用 call dest
ret	从过程返回 ret/ret dest
push	压栈 push src
pop	退栈 pop dest
leave	释放当前栈帧
shl	逻辑左移 shl count,dest
shr	逻辑右移 shr count,dest
sal	算术左移 sal count,dest
sar	算术右移 sar count,dest
shld	双精度左移 shld count,src,dest将dest左移count位, 右边低位补来自src的高位
shrd	双精度右移 shrd count,src,dest将dest右移count位, 左边高位补来自src的count个低位
lea	装载有效地址 lea src,dest
nop	空操作 nop/nop src
SETcc	若满足, c SETcc dest
seta/setnb	set if above
setae/setn	not below
setb/setna	below
setbe/setn	not above
setg/setnl	greater
setge/setn	not less
setl/setng	less
setle/setn	not greater
setc	carry
setnc	not carry
sete/setz	equal/zero
setne/setn	not equal/not zero
seto	overflow
setno	not overflow
sets	sign
setns	not sign
setp/setpe	parity/parity even
setnp/setp	not parity/parity odd
fld	压入浮点寄存器 fld src
fst	将栈顶元素存入寄存器 fst dest
fstp	fst 并pop : fstp dest
fild	
fist	
fistp	
fbld	
fbstp	
fxch	交换 fxch (st(i))交换st(0)和st(1)(st(i))的内容
fcmovb	
fcmove	
fcmovbe	
fcmovb	
fcmovnb	
fcmovnbe	
fcmovu	
fcmovnu	
fadd	加 fadd src/fadd src,dest隐含st(0)
faddp	加, 退栈 faddp/faddp st(0),st(i)

fiadd	
fsub	减
fsubp	减, 退栈
fisub	
fsubr	
fsubrp	
fisubr	
fmul	
fmulp	
fimul	
fdiv	
fdivp	
fidiv	
fdivr	
fdivrp	
fidivr	
fprem	
fprem1	
fabs	
fchs	
frndint	
fscale	
fsqrt	
fxtract	
fcom	
fcomp	
fcompp	
fucom	
fucomp	
fucompp	
ficom	
ficomp	
fcomi	
fucomi	
fcomip	
fucomip	
ftst	
fxam	
fld1	load+1.0
fldz	load+0.0
fldpi	load π
fldl2e	load $\log_2 e$
fldln2	load $\log_e 2$
fldl2t	load $\log_2 10$
fldlg2	load $\log_{10} 2$