

Instruction	Function
je name	if equal(condition code) {EIP=name}; EIP-128 <= name < EIP+128
jmp name	EIP=name
call name	SP=SP-4; M[SP]=EIP+5; EIP=name;
movw EBX,[EDI+45]	EBX=M[EDI+45]
push ESI	SP=SP-4; M[SP]=ESI
pop EDI	EDI=M[SP]; SP=SP+4
add EAX,#6765	EAX= EAX+6765
test EDX,#42	Set condition code (flags) with EDX and 42
movsl	M[EDI]=M[ESI]; EDI=EDI+4; ESI=ESI+4

FIGURE 2.39 Some typical x86 instructions and their functions. A list of frequent operations appears in Figure 2.40. The CALL saves the EIP of the next instruction on the stack. (EIP is the Intel PC.)