MIPS versus VAX	
Saving register	

`swap: addi $29,$29, -12`
`    sw    $2, 0($29)`
`    sw    $15, 4($29)`
`    sw    $16, 8($29)`
	`swap: .word ^m<r0,r1,r2,r3>`

Procedure body	

`    muli  $2, $5,4`
`    add   $2, $4,$2`
`    lw    $15, 0($2)`
`    lw    $16, 4($2)`
`    sw    $16, 0($2)`
`    sw    $15, 4($2)`
	`    movl  r2, 4(a)`
	`    movl  r1, 8(a)`
	`    movl  r3, (r2)[r1]`
	`    addl3 r0, #1,8(ap)`
	`    movl  (r2)[r1],(r2)[r0]`
	`    movl  (r2)[r0],r3`

Restoring registers	

`    lw    $2, 0($29)`
`    lw    $15, 4($29)`
`    lw    $16, 8($29)`
`    addi  $29,$29, 12`	

Procedure return	
`    jr    $31`	`    ret`

FIGURE E.54 MIPS versus VAX assembly code of the procedure swap in Figure E.53 on page E-30.