(1)	*	#2	J	i_3	{computation of invariants}
(2)	-	i_3	#1	i_4	
(3)	-	i_4	#1	i_5	
(4)	:=	#1		I	{loop initialization}
(5)	JGT	I	#10	(16)	
(6)	-	I	#1	i_1	{subscript calculation for X}
(7)	*	i_1	#10	i_2	
(8)	+	i_2	i_5	i_6	
(9)	*	i_6	#3	i_7	
(10)	+	i_2	i_4	i_{12}	{subscript calculation for Y}
(11)	*	i_{12}	#3	i_{13}	
(12)	:=	$Y[i_{13}]$		$X[i_7]$	{assignment operation}
(13)	+	#1	I	i_{14}	{end of loop}
(14)	:=	i_{14}		I	
(15)	J			(5)	
(16)					{next statement}

(d)

Figure 5.27 (*cont'd*)