X+1	1-2

2) / m A	scembly language	Symbol	Table
Label	Instruction	Label	Adde
	Ida X	X:	17
•	Sub y	γ:	13
	Add W	√: \	14
-	Sub Z	7:	15
	lout		
	HI+		
	·		
X ;	Dat -1		
Α;	Dat 8	Calculates! 10	)7 or Ox6B
W;	Dat 3		
7;	Dat -113	<i>i</i> .	

	3) Ma	uchine God	e			
	loc	Hex	Bin			
Ldax	0	OC	0000	1100		
Suby	l	10	0010	1101		
Add w	2	2 F.	0001	1110		
Sub Z	3	3 F	0010	1111		
Out	4	EO	1110	0000		
HIT	5	FO	1111	0000		

4) 216 more bits

_						
	5/ 1	abel	In	struc	tion	Symbol Table -
	and the second s			λX		Label   Address
Out						X: 14
40 - AMERICAN CONTRACTOR OF THE STATE AND ASSESSMENT OF THE STATE AND ASSESSMENT OF THE STATE AND ASSESSMENT OF THE STATE ASSE	lader-stervije verstille villeljeringsstjordile en och och oblikke sin ditte sterville i det en blev i det e o Med	Top:		d y	All the second of the transmission and the page of the second	y: 15
	NOT THE PLANT OF THE PERSON OF	- 1	ı	ut		And the second s
			1	np	Too	
State from the international property of the contraction of the contraction of the state of the contraction of the state of the contraction of the state of the contraction of the contr				Ť		Output! 0,1,2,3,4
and a real programme of the control of the first of the control of	annes anno airean ann ann an agus aireann ann an Airean a airean an ann an ann an			ton. Schafflensen ordere stransch	AND DESCRIPTION OF THE PROPERTY OF	TO THE CONTROL OF THE
	aleman elegate discharge fester ausgeweiten der eine verweiten der eine Verweiten geführt. Die 15.5 g. z. z. z	χ:	1	lat	$\bigcirc$	
	in the stage of th	у:		lat	Ĭ	
A real restricted distributing colors and management and analysis and	1999, prilippated richten, deur ein gehinnen zu seine "Anne eine "Verleite Agrenden	<del>- t -</del>		IV~		
	6) L	abel	Ins	truct	ion	Should Compute:
	-	The second second		a X		75+75 - 150
Symbol	Table			d >	١.	150-120 = 30
Label	Address		1	6		
Χ',	14			۵ )	1 1	Actually computes!
Λ;	15			1+		75+75 = 150-256 = -106
						-106=120=-226+256= 30
		X ;	Da	+	75	
		λ;	Da		170	The pitfall is that the
						program computed the correct value bu
						only because the second overflow carected it.
	Cu	urlent			Next	machine state
	9/##	PC	instr	PC	ALC	
N. de la constantina	0			0	~	- OE IE 2F 3E FX xx xx 4B 78
		0	Lda		4B	- Same
	2		Add	2	96	- Same
	3	2	Sub	3	IE	- Same
	4	3	Sta	14	ΙE	- OF IE ZF 3E FX XXXX  E 7
	S	4	HIH	XX	IE.	- same -
		The state of the s		T		

$\sim$	10/ Label	Instruction		Symbol	Table
		ldax		Label	Address
	TOA!	Out		X.	, 14
	<b>'</b>	Sub y		Α;	15
		Jaz Done			
		Jump Top			•
	Oone:	out			
		HIT			
	Χ;	Out 55			
	Αï	Pat 5			
		:			
	111 Just	change X to	x: Oat 10	to M	rodity the

II) Just change x to x: Dat 10 to modify the program to output 10,5,0.

	Curl	ent		N	ext 1	Machine	State		
<b>~</b>	##	PE	Instr	PC	Acc	out	hex	mem	contents
	0		-	0			OF EX	2F 55	41 EX FX XX OA 09
		D	lda	1	٥A	<u>,</u> —		same	
	2	1	Out	2	OA	٥Ą			
	3	2	Sub	3	05	_			
	4	3.	Jaz	14	05				
	S	4	Jump	S	05			V	
	6	5	out	6	05	os			
	7	6	Sub	17	00				
	8	7	Jaz	8	00		-		
	9	8	out	19	60	00		V	1.1
	10	9	111+	XX	00				,
		<u> </u>							