Problem1:

a)	#	Machine	Code	Assembly	Code	Description
	0	60	0001	LOAD '	# 1	Load the value 1 into the accumulator
		010 0	tree	STORE	15	Store It in memory location 1815
	2	001	0000	LOAD	#0	Load the value of into the accumulator
	3	101 1	0 00	EQUAL	#4	Skip next instruction if it equal to the
	4	110 1	0110	JUMP	#6	Jump to incorportion b
	5	til 1	0000	HALT	2	memory location o
	6	00 0	001)	LOAD	6 3	Load the value of memory location 3
	7	100 1	1000	SUB	# 1	Subtract value from value of accommon
	8	000		STORE	3	Store it in memory location 3
	9	001 0	110	LOAP	15	Load the value of memory (reation 15
	10	011 0	IIII	ADD	15	Add it with value of memory location 's
	11	000	1111	STORE	15	Charle it in meany location 15
	12	110	0010	JUMP	#2	I no to instruction 2
	(3	000 0	The state of the s	30111		instruction data, intravery to 0
		000 0	0000			no instruction/data, initialized 700
	14	000 0	The state of the s			no instruction/data, initialized to 0
					LIE	
6)						1 1 1 15
1	The	proge	am stack u	with put	value	of 1 in to memory location 15.
	-	10	C Li.		ic f	have meany laction have the value of 4.
	The	pulpo	se of the	brodue	11-	11 201 2/2010
	The	neml	oction of	3 and	15 are	have meory location have the value of 4. the ones change: instruction (2) imps to instruction 2 However, theoretically when program stops,
	The	e progr	am never	stops be	cause	However, theoretically when program stops,
		men	nosy locatio	n 15 show	old have	Value 4.
c \	1			TO SERVICE STREET	Y 3 8	
1)	1	a=1 c=0	4			
10	13	C=4	stor			
1. 3	1 5		1		200	
	1	b=b-	1 + 1			
		a= a				
	A STATE OF	a = a	10		-	