Memory (Data)	X	Y
You need to record the values of the two variables (x and y), according to what the CPU tells you. You also need to be ready to tell the CPU the current values of X and Y.		

Memory (Instructions)	No	Instruction
You need to give one instruction at the time to the CPU. The CPU will need to tell you which instruction number to pass on.	1	ADD 4 TO X
	2	ADD 2 TO Y
	3	PLOT (X,Y)
	4	ADD 3 TO X
	5	ADD 2 TO Y
	6	PLOT (X,Y)
	7	SUB 6 FROM X
	8	PLOT (X,Y)
	9	ADD 5 TO X
	10	SUB 3 FROM Y
	11	PLOT (X,Y)
	12	SUB 1 FROM X
	13	ADD 5 TO Y
	14	PLOT (X,Y)
	15	SUB 3 FROM X
	16	SUB 1 FROM Y
	17	PLOT (X,Y)
	18	SUB 4 FROM Y
	19	PLOT (X,Y)
	20	SUB 1 FROM X
	21	ADD 1 TO Y
	22	PLOT (X,Y)
	23	ADD 4 TO X
	24	SUB 1 FROM Y
	25	PLOT (X,Y)
	26	ADD 1 TO X
	27	ADD 4 TO Y
	28	PLOT (X,Y)

Memory (Instructions)	No	Instruction
	29	SUB 3 FROM X
	30	ADD 1 TO Y
	31	PLOT (X,Y)
	32	SUB 5 FROM Y
	33	PLOT (X,Y)
	34	ADD 4 TO X
	35	ADD 2 TO Y
	36	PLOT (X,Y)
	37	SUB 6 FROM X
	38	PLOT (X,Y)
	39	ADD 3 TO X
	40	ADD 4 TO Y
	41	PLOT (X,Y)
	42	ADD 3 TO X
	43	SUB 5 FROM Y
	44	PLOT (X,Y)