Instruction Set LMC

Code (dec)	Code (bin)	Name	Description
0	00000	HLT	Stop (Little Man has a rest).
1	00001	ADD	Add the contents of the memory address to the Accumulator
2	00010	SUB	Subtract the contents of the memory address from the Accumulator
3	00011	STA or STO	Store the value in the Accumulator in the memory address given.
4	00100		This code is unused and gives an error.
5	00101	LDA	Load the Accumulator with the contents of the memory address given
6	00110	BRA	Branch - use the address given as the address of the next instruction
7	00111	BRZ	Branch to the address given if the Accumulator is zero
8	01000	BRP	Branch to the address given if the Accumulator is zero or positive
9	01001	INP or OUT	Input or Output. Take from Input if address is 1, copy to Output if address is 2.
9	01001	OTC	Output accumulator as a character if address is 22. (Non-standard instruction)
		DAT	Used to indicate a location that contains data.