

Basic Computer Instructions

Symbol	Hexadecimal code		Description
	<i>I</i> = 0	<i>I</i> = 1	
AND	0xxx	8xxx	AND memory word to <i>AC</i>
ADD	1xxx	9xxx	Add memory word to <i>AC</i>
LDA	2xxx	Axxx	Load memory word to <i>AC</i>
STA	3xxx	Bxxx	Store content of <i>AC</i> in memory
BUN	4xxx	Cxxx	Branch unconditionally
BSA	5xxx	Dxxx	Branch and save return address
ISZ	6xxx	Exxx	Increment and skip if zero
CLA	7800		Clear <i>AC</i>
CLE	7400		Clear <i>E</i>
CMA	7200		Complement <i>AC</i>
CME	7100		Complement <i>E</i>
CIR	7080		Circulate right <i>AC</i> and <i>E</i>
CIL	7040		Circulate left <i>AC</i> and <i>E</i>
INC	7020		Increment <i>AC</i>
SPA	7010		Skip next instruction if <i>AC</i> positive
SNA	7008		Skip next instruction if <i>AC</i> negative
SZA	7004		Skip next instruction if <i>AC</i> zero
SZE	7002		Skip next instruction if <i>E</i> is 0
HLT	7001		Halt computer
INP	F800		Input character to <i>AC</i>
OUT	F400		Output character from <i>AC</i>
SKI	F200		Skip on input flag
SKO	F100		Skip on output flag
ION	F080		Interrupt on
IOF	F040		Interrupt off