

Hidden Instructions for the 8085

Not Guaranteed to work all the time

Overflow Flag : Bit 1 of Flag Register

If operands are assumed to be 2's complement numbers, there was an overflow

X5 Flag : Bit 5 of Flag Register indicating Overflow/Underflow from INX/DCX Flag (Not affected by DAD Instruction)

	Mnemonic	Action	Opcode	Flags Affected
1	DSUB	HL-BC \rightarrow HL	08	
2	ARHL	Rotate HL right: $L_0 \rightarrow Cy, Cy \rightarrow H_7$	10	Cy
3	RDEL	Rotate DE left: $Cy \rightarrow E_0$	10	Cy
4	LDHI	DE = HL + 1 byte of imm data	28	-
5	LDSI	DE = SP + 1 byte of imm data	38	-
6	RSTV	Restart on overflow On overflow CALL 0040	CB	-
7	SHLX	Store HL as per DE	D9	-
8	JNX5	If not X5 jmp to addr given by imm 2 byte data	DD	-
9	LHLX	load HL as per DE	ED	-
10	JX5	If X5 jmp to addr given by imm 2 byte data	FD	-