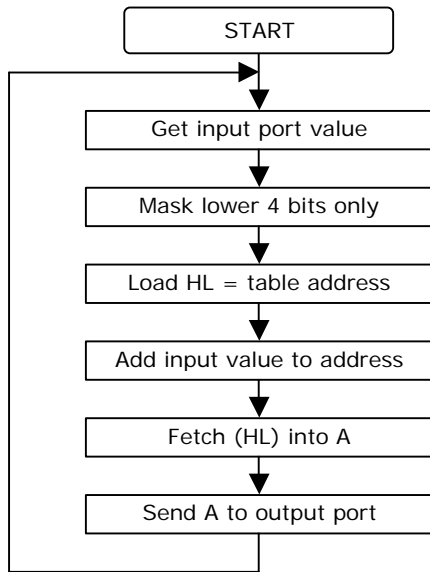


EZ-CPU CONTROL SYSTEM
DRIVING DISPLAYS - 2

PROGRAM:	BINARY TO 7-SEGMENT DECODER	IP MODULE:	DAIP
DESCRIPTION:	Fetches a 4-bit value from the input port and displays value on 7-seg display	OP MODULE:	QSDD
		CPU SPEED:	ANY

This routine will take a 4 bit number on D0-D3 and convert it into its hexadecimal digit equivalent. The input value is added to the base address of the data table. The resulting address is the location of the output code for that value. You can use the DAIP module or connect to the 4mm sockets.

The input port address = 255



ADDR	INSTRUCTION	CODE
00	IN A,(255)	DB FF
02	AND A,0x0F	E6 0F
04	LD HL,0x00F0	21 F0 00
07	ADD A,L	85
08	LD L,A	6F
09	LD A,(HL)	7E
0A	OUT (255),A	D3 FF
0C	JR -14	18 F2

DATA TABLE								
ADDR	DATA							
F0	FC	60	DA	F2	66	B6	BE	E0
F8	FE	E6	EE	3E	9C	7A	9E	8E