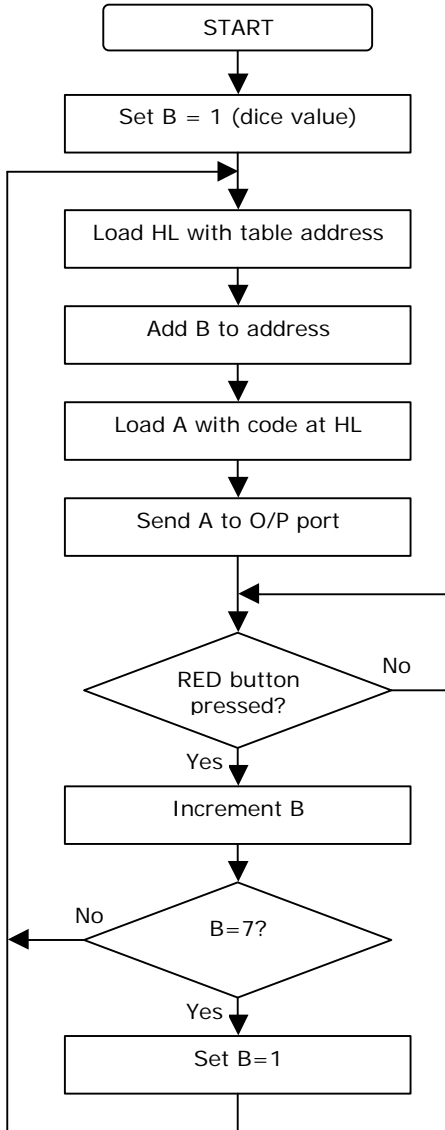


EZ-CPU CONTROL SYSTEM

DRIVING DISPLAYS - 3

PROGRAM: DIGITAL DICE	IP MODULE: -
DESCRIPTION: Produces a number from 1 to 6	OP MODULE: QSDD
	CPU SPEED: 1KHz

While the red button is pushed, the display rapidly displays numbers. Release the button to stop the display. The port address for the buttons on the EZCPU = 254



ADDR	INSTRUCTION	CODE
00	LD B,1	06 01
02	LD HL,0x00F0	21 F0 00
05	LD A,L	7D
06	ADD A,B	80
07	LD L,A	6F
08	LD A,(HL)	7E
09	OUT (255),A	D3 FF
0B	IN A,(254)	DB FE
0D	AND 0x04	E6 04
0F	JR NZ -6	20 FA
11	INC B	04
12	LD A,B	78
13	CP 7	FE 07
15	JR NZ -21	20 EB
17	LD B,1	06 01
19	JR -25	18 E7

DATA TABLE								
ADDR	DATA							
F0	FC	60	DA	F2	66	B6	3E	E0
F8	FE	E6						

The data table holds data for numbers 0 – 9, but only 1-6 are used.

Try changing the range of numbers, eg. 1-9