BCD TO COMMON ANODE 7-SEGMENT DECODER												
DEC	SEGMENT	SW_W	SW_X	SW_Y	SW_Z	Α	В	С	D	E	F	G
DEC	PIN	RB1	RB6	RB3	RA2	RA1	RB4	RB5	RB2	RB7	RA0	RB0
0		0	0	0	0	0	0	0	0	0	0	1
1		0	0	0	1	1	0	0	1	1	1	1
2		0	0	1	0	0	0	1	0	0	1	0
3		0	0	1	1	0	0	0	0	1	1	0
4		0	1	0	0	1	0	0	1	1	0	0
5		0	1	0	1	0	1	0	0	1	0	0
6		0	1	1	0	0	1	0	0	0	0	0
7		0	1	1	1	0	0	0	1	1	1	1
8		1	0	0	0	0	0	0	0	0	0	0
9		1	0	0	1	0	0	0	0	1	0	0
Α		1	0	1	0	0	0	0	1	0	0	0
b		1	0	1	1	1	1	0	0	0	0	0
С		1	1	0	0	0	1	1	0	0	0	1
d		1	1	0	1	1	0	0	0	0	1	0
Е		1	1	1	0	0	1	1	0	0	0	0
F		1	1	1	1	0	1	1	1	0	0	0

INITIALIZATION										
PORTA	-	-	-	RA4	RA3	RA2	RA1	RA0	0x04	
	0	0	0	0	0	1	0	0	0x04	
PORTB	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0	- 0x4A	
	0	1	0	0	1	0	1	0		

			I/O (CONFIGURAT	IONS				BIN	HEX
	-	-	-	RA4	RA3	RA2	RA1	RA0		
ZERO	0	0	0	1	1	1	0	0	11100	1C
ZERO	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	0	1	0	0	1	0	1	1	1001011	4B
	-	<u> </u>	-	RA4	RA3	RA2	RA1	RA0		
ONE	0	0	0	1	1	1	1	1	11111	1F
	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0	11001111	CF.
	1	1 -	0 -	0 RA4	1 RA3	1 RA2	1 RA1	1 RA0	11001111	CF
	- 0	0	0	1 1	1	1	0 0	1 1	11101	1D
TWO	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0	11101	10
	0	1	1	0	1	0	1	0	1101010	6A
	-	 -	<u>-</u>	RA4	RA3	RA2	RA1	RA0	1101010	<i>57</i>
TUDEF	0	0	0	1	1	1	0	1	11101	1D
THREE	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	1	1	0	0	1	0	1	0	11001010	CA
	-	-	-	RA4	RA3	RA2	RA1	RA0		
FOUR	0	0	0	1	1	1	1	0	11110	1E
10011	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	1	1	0	0	1	1	1	0	11001110	CE
	-	-	-	RA4	RA3	RA2	RA1	RA0		
FIVE	0	0	0	1	1	1	0	0	11100	1C
	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0	44044040	5.4
	1	<u>1</u>	0	1	1	0	1	0	11011010	DA
	- 0	0	- 0	RA4	RA3	RA2	RA1 0	RA0	11100	1C
SIX	RB7	RB6	<i>RB5</i>	RB4	RB3	RB2	RB1	RB0	11100	10
	0	1	0	1	1	0	1	0	1011010	5A
	-		-	RA4	RA3	RA2	RA1	RAO	1011010	37
	0	0	0	1	1	1	0	1	11101	1D
SEVEN	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	1	1	0	0	1	1	1	1	11001111	CF
	-	-	-	RA4	RA3	RA2	RA1	RA0		
EIGHT	0	0	0	1	1	1	0	0	11100	1C
LIGITI	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	0	1	0	0	1	0	1	0	1001010	4A
	-	-	-	RA4	RA3	RA2	RA1	RA0		
NINE	0	0	0	1	1	1	0	0	11100	1C
	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0	11001010	64
	1	<u>1</u>	0	0	1	0	1	0	11001010	CA
	- 0	0	- 0	RA4	RA3	RA2 1	RA1 0	RA0	11100	1C
Α	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0	11100	10
	0	1	0	0	1	1	1	0	1001110	4E
	-	-	-	RA4	RA3	RA2	RA1	RAO		
1.	0	0	0	1	1	1	1	0	11110	1E
b	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	0	1	0	1	1	0	1	0	1011010	5A
	-	-	-	RA4	RA3	RA2	RA1	RA0		
С	0	0	0	1	1	1	0	0	11100	1C
	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	0	1	1	1	1	0	1	1	1111011	7B
d	-	-	-	RA4	RA3	RA2	RA1	RA0		4-
	0	0	0	1	1	1	1	1	11111	1F
	RB7	RB6	RB5 0	RB4 0	RB3	RB2 0	RB1	RB0	1001010	4.4
	-	<u> </u>	-	RA4	1 RA3	RA2	RA1	<i>RA0</i>	1001010	4A
	0	0	0	1 1	1	1 RAZ	0 KAI	0 RAU	11100	1C
E	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0	11100	10
	0	1	1	1	1	0	1	0	1111010	7A
	-	-	-	RA4	RA3	RA2	RA1	RAO		.,,
_	0	0	0	1	1	1	0	0	11100	1C
F	RB7	RB6	RB5	RB4	RB3	RB2	RB1	RB0		
	0	1	1	1	1	1	1	0	1111110	7E