	Init	F	E	F	E	F	E	F	E	I	F	E	F	E	F	E	F	E	F
PC	U	1	2	2	3	3	4	4	5	3	3FF	0	5	6	6	7	3	4	4
INSTR	U	U	MOV	SEI	SEI	AND	AND	BRN	BRN	ADD	AND	BRN	NOP	ADD	RETIE	RETIE	NOP	AND	BRN
INT																			
I-FLAG	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	1	1
C-FLAG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Z-FLAG	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0
R0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
Multibus	Z	Z	Z	Z	Z	Z	0	Z	Z	3	Z	Z	Z	0	Z	3	Z	1	Z

```
        .CSEG
        .ORG 0x01
1         MOV   R0, 0x00
2         SEI
3 main:   AND   R0, 0xFF
4         BRN   main

5 ISR:    ADD   R0, 0x01
6         RETIE

        .CSEG
        .ORG 0x3FF
3FF       BRN   ISR
```