BF-016 Instruction set

		Decoder →	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
code	mnemonic	operation	NXT	JMP	INC	INZ	OUT_LD	B_LD	A_LD	CZ_LD	D_OE	IN_OE	B_OE	A_EN	SUB	1	-	HALT
0	LD A, B	A := B	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
1	LD A, D	A := D	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
2	LD B, A	B := A	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
3	LD B, D	B := D	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
4	ADD A, B	A := A + B	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
5	ADD A, D	A := A + D	1	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0
6	SUB A, B	A:= A - B	1	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0
7	SUB A, D	A:= A - D	1	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0
8	IN A	A := IN	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
9	IN B	B := IN	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
10	OUT A	OUT := A	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
11	OUT D	OUT := D	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
12	JMP	PC := D	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
13	JNC	if(C=0) PC := D	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
14	JNZ	if(Z=0) PC := D	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
15	HALT	HALT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1