

OPERATION - I													
Oper	Op Code	Adr met	Instruction Format				Status Flags					A	Explanation
			1. Byte	2. Byte	3. Byte	4. Byte	T	S	N	Y	E		
CLR	Ki	L	01001011	01001011	Ki		0	1	0	0	0	3	Ki ← 0
	<Adr>	D	00001011	00101011	Adr (Yük)	Adr (Düş)	0	1	0	0	0	4	<Adr> ← 0
	<CD>	K	00001011	01001011			0	1	0	0	0	6	<<CD>> ← 0
	<SK+S>	S	00001011	01101011	S		0	1	0	0	0	7	<SK+S> ← 0
	<SK+S>+R	R	00001011	10001011	S	R	0	1	0	0	0	7	<SK+S> ← 0, + R
	<SK+S>-R	Z	00001011	10101011	S	R	0	1	0	0	0	7	<SK+S> ← 0, - R
	<SK+CD+S>	U	00001011	11001011	S		0	1	0	0	0	8	<SK+CD+S> ← 0
INC	<YG+S>	Y	00001011	11101011	S		0	1	0	0	0	7	<YG+S> ← 0
	Ki	L	01011000	01011000	Ki		↑	↑	↑	↑	↑	3	Ki ← Ki + 1
	<Adr>	D	00011000	00101011	Adr (Yük)	Adr (Düş)	↑	↑	↑	↑	↑	4	<Adr> ← <Adr> + 1
	<CD>	K	00011000	01001011			↑	↑	↑	↑	↑	6	<<CD>> ← <<CD>> + 1
	<SK+S>	S	00011000	01101011	S		↑	↑	↑	↑	↑	7	<SK+S> ← <SK+S> + 1
	<SK+S>+R	R	00011000	10001011	S	R	↑	↑	↑	↑	↑	7	<SK+S> ← <SK+S> + 1, + R
	<SK+S>-R	Z	00011000	10101011	S	R	↑	↑	↑	↑	↑	7	<SK+S> ← <SK+S> + 1, - R
DEC	<SK+CD+S>	U	00011000	11001011	S		↑	↑	↑	↑	↑	8	<SK+CD+S> ← <SK+CD+S> + 1
	<YG+S>	Y	00011000	11101011	S		↑	↑	↑	↑	↑	7	<YG+S> ← <YG+S> + 1
	Ki	L	01011001	01011001	Ki		↓	↓	↓	↓	↓	3	Ki ← Ki - 1
	<Adr>	D	00011001	00101011	Adr (Yük)	Adr (Düş)	↓	↓	↓	↓	↓	4	<Adr> ← <Adr> - 1
	<CD>	K	00011001	01001011			↓	↓	↓	↓	↓	6	<<CD>> ← <<CD>> - 1
	<SK+S>	S	00011001	01101011	S		↓	↓	↓	↓	↓	7	<SK+S> ← <SK+S> - 1
	<SK+S>+R	R	00011001	10001011	S	R	↓	↓	↓	↓	↓	7	<SK+S> ← <SK+S> - 1, + R
COM	<SK+S>-R	Z	00011001	10101011	S	R	↓	↓	↓	↓	↓	7	<SK+S> ← <SK+S> - 1, - R
	<SK+CD+S>	U	00011001	11001011	S		↓	↓	↓	↓	↓	8	<SK+CD+S> ← <SK+CD+S> - 1
	<YG+S>	Y	00011001	11101011	S		↓	↓	↓	↓	↓	7	<YG+S> ← <YG+S> - 1
	Ki	L	01011010	01011010	Ki		←	←	←	←	←	3	Ki ← com<Ki>
	<Adr>	D	00011010	00101011	Adr (Yük)	Adr (Düş)	←	←	←	←	←	4	<Adr> ← com<Adr>
	<CD>	K	00011010	01001011			←	←	←	←	←	6	<<CD>> ← com<<CD>>
	<SK+S>	S	00011010	01101011	S		←	←	←	←	←	7	<SK+S> ← com<SK+S>
NEG	<SK+S>+R	R	00011010	10001011	S	R	←	←	←	←	←	7	<SK+S> ← com<SK+S>, + R
	<SK+S>-R	Z	00011010	10101011	S	R	←	←	←	←	←	7	<SK+S> ← com<SK+S>, - R
	<SK+CD+S>	U	00011010	11001011	S		←	←	←	←	←	8	<SK+CD+S> ← com<SK+CD+S>
	<YG+S>	Y	00011010	11101011	S		←	←	←	←	←	7	<YG+S> ← com<YG+S>
	Ki	L	01011011	01011011	Ki		←	←	←	←	←	3	Ki ← neg<Ki>
	<Adr>	D	00011011	00101011	Adr (Yük)	Adr (Düş)	←	←	←	←	←	4	<Adr> ← neg<Adr>
	<CD>	K	00011011	01001011			←	←	←	←	←	6	<<CD>> ← neg<CD>>
CLR	<SK+S>	S	00011011	01101011	S		←	←	←	←	←	7	<SK+S> ← neg<SK+S>
	<SK+S>+R	R	00011011	10001011	S	R	←	←	←	←	←	7	<SK+S> ← neg<SK+S>, + R
	<SK+S>-R	Z	00011011	10101011	S	R	←	←	←	←	←	7	<SK+S> ← neg<SK+S>, - R
	<SK+CD+S>	U	00011011	11001011	S		←	←	←	←	←	8	<SK+CD+S> ← neg<SK+CD+S>
	<YG+S>	Y	00011011	11101011	S		←	←	←	←	←	7	<YG+S> ← neg<YG+S>
	N,Ki	L	01001110	11001110	N	Ki	←	←	←	←	←	3	Ki ← Ki(N=0)
	N,<adr>	D	00001110	00101110	Adr (Yük)	Adr (Düş)	←	←	←	←	←	4	<Adr> ← <Adr,N=0>
SET	N,<CD>	K	00001110	01001110	N		←	←	←	←	←	6	<<CD>> ← <CD,N=0>
	N,<SK+S>	S	00001110	01101110	N		←	←	←	←	←	7	<SK+S> ← <SK+S,N=0>
	N,<SK+S>+R	R	00001110	10001110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=0>, + R
	N,<SK+S>-R	Z	00001110	10101110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=0>, - R
	N,<SK+CD+S>	U	00001110	11001110	N		←	←	←	←	←	8	<SK+CD+S> ← <SK+CD+S,N=0>
	N,<YG+S>	Y	00001110	11101110	N		←	←	←	←	←	7	<YG+S> ← <YG+S,N=0>
	N,Ki	L	01001111	11001111	N	Ki	←	←	←	←	←	3	Ki ← Ki(N=1)
CLR	N,<adr>	D	00001111	00101110	Adr (Yük)	Adr (Düş)	←	←	←	←	←	4	<Adr> ← <Adr,N=1>
	N,<CD>	K	00001111	01001110	N		←	←	←	←	←	6	<<CD>> ← <CD,N=1>
	N,<SK+S>	S	00001111	01101110	N		←	←	←	←	←	7	<SK+S> ← <SK+S,N=1>
	N,<SK+S>+R	R	00001111	10001110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=1>, + R
	N,<SK+S>-R	Z	00001111	10101110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=1>, - R
	N,<SK+CD+S>	U	00001111	11001110	N		←	←	←	←	←	8	<SK+CD+S> ← <SK+CD+S,N=1>
	N,<YG+S>	Y	00001111	11101110	N		←	←	←	←	←	7	<YG+S> ← <YG+S,N=1>

OPERATION - II													
Oper	Op Code	Adr met	Instruction Format				Status Flags					A	Explanation
			1. Byte	2. Byte	3. Byte	4. Byte	T	S	N	Y	E		
NEG	Ki	L	01011001	01011001	Ki		←	←	←	←	←	3	Ki ← neg<Ki>
	<Adr>	D	00011001	00101011	Adr (Yük)	Adr (Düş)	←	←	←	←	←	4	<Adr> ← neg<Adr>
	<CD>	K	00011001	01001011			←	←	←	←	←	6	<<CD>> ← neg<CD>>
	<SK+S>	S	00011001	01101011	S		←	←	←	←	←	7	<SK+S> ← neg<SK+S>
	<SK+S>+R	R	00011001	10001011	S	R	←	←	←	←	←	7	<SK+S> ← neg<SK+S>, + R
	<SK+S>-R	Z	00011001	10101011	S	R	←	←	←	←	←	7	<SK+S> ← neg<SK+S>, - R
	<SK+CD+S>	U	00011001	11001011	S		←	←	←	←	←	8	<SK+CD+S> ← neg<SK+CD+S>
CLR	<YG+S>	Y	00011001	11101011	S		←	←	←	←	←	7	<YG+S> ← neg<YG+S>
	N,Ki	L	01001110	11001110	N	Ki	←	←	←	←	←	3	Ki ← Ki(N=0)
	N,<adr>	D	00001110	00101110	Adr (Yük)	Adr (Düş)	←	←	←	←	←	4	<Adr> ← <Adr,N=0>
	N,<CD>	K	00001110	01001110	N		←	←	←	←	←	6	<<CD>> ← <CD,N=0>
	N,<SK+S>	S	00001110	01101110	N		←	←	←	←	←	7	<SK+S> ← <SK+S,N=0>
	N,<SK+S>+R	R	00001110	10001110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=0>, + R
	N,<SK+S>-R	Z	00001110	10101110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=0>, - R
SET	N,<SK+CD+S>	U	00001110	11001110	N		←	←	←	←	←	8	<SK+CD+S> ← <SK+CD+S,N=0>
	N,<YG+S>	Y	00001110	11101110	N		←	←	←	←	←	7	<YG+S> ← <YG+S,N=0>
	N,Ki	L	01001111	11001111	N	Ki	←	←	←	←	←	3	Ki ← Ki(N=1)
	N,<adr>	D	00001111	00101110	Adr (Yük)	Adr (Düş)	←	←	←	←	←	4	<Adr> ← <Adr,N=1>
	N,<CD>	K	00001111	01001110	N		←	←	←	←	←	6	<<CD>> ← <CD,N=1>
	N,<SK+S>	S	00001111	01101110	N		←	←	←	←	←	7	<SK+S> ← <SK+S,N=1>
	N,<SK+S>+R	R	00001111	10001110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=1>, + R
CLR	N,<SK+S>-R	Z	00001111	10101110	N	R	←	←	←	←	←	7	<SK+S> ← <SK+S,N=1>, - R
	N,<SK+CD+S>	U	00001111	11001110	N		←	←	←	←	←	8	<SK+CD+S> ← <SK+CD+S,N=1>
	N,<YG+S>	Y	00001111	11101110	N		←	←	←	←	←	7	<YG+S> ← <YG+S,N=1>