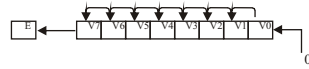
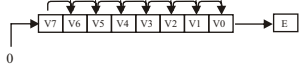
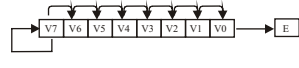
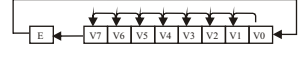
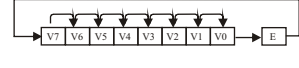


OPERATION INSTRUCTIONS													
Oper	Op Code	Adr met	Instruction Format				Status Reg.					A	Explanation
			1. Byte		2. Byte		T	S	N	Y	E		
CLR	E	L	010011100	10		000	—	—	—	—	0	1	$E \leftarrow 0$
	Y	L	010011100	10		001	—	—	—	0	—	1	$Y \leftarrow 0$
	N	L	010011100	10		010	—	—	0	—	—	1	$N \leftarrow 0$
	S	L	010011100	10		011	—	0	—	—	—	1	$S \leftarrow 0$
	T	L	010011100	10		100	0	—	—	—	—	1	$T \leftarrow 1$
SET	E	L	010011110	10		000	—	—	—	—	1	1	$E \leftarrow 1$
	Y	L	010011110	10		001	—	—	—	1	—	1	$Y \leftarrow 1$
	N	L	010011110	10		010	—	—	1	—	—	1	$N \leftarrow 1$
	S	L	010011110	10		011	—	1	—	—	—	1	$S \leftarrow 1$
	T	L	010011110	10		100	1	—	—	—	—	1	$T \leftarrow 1$
INC	Kii	L	011110000	01		Kii	↕	↕	↕	—	↕	2	$Kii \leftarrow Kii + 1$
DEC	Kii	L	011110001	01		Kii	↕	↕	↕	—	↕	2	$Kii \leftarrow Kii - 1$
DAA	Ai	L	010101000	01		Ai	—	—	—	0	0	2	Binary to Decimal
PSH	Ai	L	010101011	01		Ai	—	—	—	—	—	2	Push Ai to Stack
PUL	Ai	L	010101110	01		Ai	—	↕	↕	—	—	2	Pull Stack to Ai
EIN		L	110000000				—	—	—	—	—	1	Enable Interrupt
DIN		L	110000001				—	—	—	—	—	1	Disable Interrupt
NOP		L	110000010				—	—	—	—	—	1	No Operation
RTS		L	110001000				—	—	—	—	—	5	Return from subroutine
RTI		L	110001011				—	—	—	—	—	15	Return from interrupt
INT		L	110001111				—	—	—	—	—	15	Software Interrupt

SHIFT & ROTATE INSTRUCTIONS													
Oper	Op Code	Adr met	Instruction Format				Status Reg.					A	Explanation
			1. Byte	2. Byte	3. Byte	4. Byte	T	S	N	Y	E		
LSL	Ki	L	010101111	01 Ki			↕	↕	↕	↕	1		
	<Adr>	D	000101111	000101	Adr (H)	Adr (L)	↕	↕	↕	↕	2		
	<CD>	K	000101111	010001			↕	↕	↕	↕	3		
	<SK+S>	S	000101111	011001	S		↕	↕	↕	↕	4		
	<SK+S>+R	R	000101111	100001	S	R	↕	↕	↕	↕	5		
	<SK+S>-R	Z	000101111	101001	S	R	↕	↕	↕	↕	5		
	<SK+CD+S>	U	000101111	110001	S		↕	↕	↕	↕	6		
	<YG+S>	Y	000101111	111001	S		↕	↕	↕	↕	4		
LSR	Ki	L	010111000	01 Ki			↕	↕	↕	↕	1		
	<Adr>	D	000111000	000101	Adr (H)	Adr (L)	↕	↕	↕	↕	2		
	<CD>	K	000111000	010001			↕	↕	↕	↕	3		
	<SK+S>	S	000111000	011001	S		↕	↕	↕	↕	4		
	<SK+S>+R	R	000111000	100001	S	R	↕	↕	↕	↕	5		
	<SK+S>-R	Z	000111000	101001	S	R	↕	↕	↕	↕	5		
	<SK+CD+S>	U	000111000	110001	S		↕	↕	↕	↕	6		
	<YG+S>	Y	000111000	111001	S		↕	↕	↕	↕	4		
ASR	Ki	L	010111001	01 Ki			↕	↕	↕	↕	1		
	<Adr>	D	000111001	000101	Adr (H)	Adr (L)	↕	↕	↕	↕	2		
	<CD>	K	000111001	010001			↕	↕	↕	↕	3		
	<SK+S>	S	000111001	011001	S		↕	↕	↕	↕	4		
	<SK+S>+R	R	000111001	100001	S	R	↕	↕	↕	↕	5		
	<SK+S>-R	Z	000111001	101001	S	R	↕	↕	↕	↕	5		
	<SK+CD+S>	U	000111001	110001	S		↕	↕	↕	↕	6		
	<YG+S>	Y	000111001	111001	S		↕	↕	↕	↕	4		
ROL	Ki	L	010111010	01 Ki			↕	↕	↕	↕	1		
	<Adr>	D	000111010	000101	Adr (H)	Adr (L)	↕	↕	↕	↕	2		
	<CD>	K	000111010	010001			↕	↕	↕	↕	3		
	<SK+S>	S	000111010	011001	S		↕	↕	↕	↕	4		
	<SK+S>+R	R	000111010	100001	S	R	↕	↕	↕	↕	5		
	<SK+S>-R	Z	000111010	101001	S	R	↕	↕	↕	↕	5		
	<SK+CD+S>	U	000111010	110001	S		↕	↕	↕	↕	6		
	<YG+S>	Y	000111010	111001	S		↕	↕	↕	↕	4		
ROR	Ki	L	010111011	01 Ki			↕	↕	↕	↕	1		
	<Adr>	D	000111011	000101	Adr (H)	Adr (L)	↕	↕	↕	↕	2		
	<CD>	K	000111011	010001			↕	↕	↕	↕	3		
	<SK+S>	S	000111011	011001	S		↕	↕	↕	↕	4		
	<SK+S>+R	R	000111011	100001	S	R	↕	↕	↕	↕	5		
	<SK+S>-R	Z	000111011	101001	S	R	↕	↕	↕	↕	5		
	<SK+CD+S>	U	000111011	110001	S		↕	↕	↕	↕	6		
	<YG+S>	Y	000111011	111001	S		↕	↕	↕	↕	4		