					4.0	N 4		
			Bas	se instr	uction (set		
	0	1	2	3	4	5	6	7
00	NIN	JMP u, \$hhll	JSR u, \$hhll	RSR u	PSH Xh	POP Xh	INC Xhl	INC AC
01	CLC	JMP c, \$hhll	JSR c, \$hhll	RSR c	PSH XI	POP XI	DEC Xhl	DEC AC
02	CLN	JMP n, \$hhll	JSR n, \$hhll	RSR n	PSH Yh	POP Yh	INC Yhl	ROR AC
03	CLZ	JMP z, \$hhll	JSR z, \$hhll	RSR z	PSH YI	POP YI	DEC Yhl	ROL AC
04	CLI	JMP nc, \$hhll	JSR nc, \$hhll	RSR nc	PSH H	POP H	INC HL	RSH AC
05	CLF	JMP nn, \$hhll	JSR nn, \$hhll	RSR nn	PSH L	POP L	DEC HL	LSH AC
06	EXT	JMP nz, \$hhll	JSR nz, \$hhll	RSR nz	PSH AC	POP AC		NOT AC
07	HLT	JMP i, \$hhll	JSR i, \$hhll					
10	ADD \$hhll	ADD \$zz	ADD (HL)	ADD #\$nn	ADD Xh	ADD XI	ADD Yh	ADD YI
11	ADC \$hhll	ADC \$zz	ADC (HL)	ADC #\$nn	ADC Xh	ADC XI	ADC Yh	ADC YI
12	SUB \$hhll	SUB \$zz	SUB (HL)	SUB #\$nn	SUB Xh	SUB XI	SUB Yh	SUB YI
13	SBB \$hhll	SBB \$zz	SBB (HL)	SBB #\$nn	SBB Xh	SBB XI	SBB Yh	SBB YI
14	CMP \$hhll	CMP \$zz	CMP (HL)	CMP #\$nn	CMP Xh	CMP XI	CMP Yh	CMP YI
15	AND \$hhll	AND \$zz	AND (HL)	AND #\$nn	AND Xh	AND XI	AND Yh	AND YI
16	OR \$hhll	OR \$zz	OR (HL)	OR #\$nn	OR Xh	OR XI	OR Yh	OR YI
1 <i>7</i>	XOR \$hhll	XOR \$zz	XOR (HL)	XOR #\$nn	XOR Xh	XOR XI	XOR Yh	XOR YI
20	LD Xh, \$hhll	LD Xh, \$zz	LD Xh, (HL)	LD Xh, #\$nn	STR Xh, \$hhll	STR Xh, \$zz	STR Xh, (HL)	
21	LD XI, \$hhll	LD XI, \$zz	LD XI, (HL)	LD XI, #\$nn	STR XI, \$hhll	STR XI, \$zz	STR XI, (HL)	
22	LD Yh, \$hhll	LD Yh, \$zz	LD Yh, (HL)	LD Yh, #\$nn	STR Yh, \$hhll	STR Yh, \$zz	STR Yh, (HL)	
23	LD YI, \$hhll	LD YI, \$zz	LD YI, (HL)	LD YI, #\$nn	STR YI, \$hhll	STR YI, \$zz	STR YI, (HL)	
24	LD H, \$hhll	LD H, \$zz		LD H, #\$nn	STR H, \$hhll	STR H, \$zz		
25	LD L, \$hhll	LD L, \$zz		LD L, #\$nn	STR L, \$hhll	STR L, \$zz		
26	LD AC, \$hhll	LD AC, \$zz	LD AC, (HL)	LD AC, #\$nn	STR AC, \$hhll	STR AC, \$zz	STR AC, (HL)	
27	LD SP, \$hhll	LD SP, \$zz	LD SP, (HL)	LD SP, #\$nn	STR SP, \$hhll	STR SP, \$zz	STR SP, (HL)	
30		MOV XI, Xh	MOV Yh, Xh	MOV YI, Xh	MOV H, Xh	MOV L, Xh	MOV AC, Xh	MOV SP, Xh
31	MOV Xh, XI		MOV Yh, XI	MOV YI, XI	MOV H, XI	MOV L, XI	MOV AC, XI	MOV SP, XI
32	MOV Xh, Yh	MOV XI, Yh		MOV YI, Yh	MOV H, Yh	MOV L, Yh	MOV AC, Yh	MOV SP, Yh
33	MOV Xh, Yl	MOV XI, YI	MOV Yh, Yl		MOV H, YI	MOV L, YI	MOV AC, YI	MOV SP, YI
34	MOV Xh, H	MOV XI, H	MOV Yh, H	MOV YI, H		MOV L, H	MOV AC, H	MOV SP, H
35	MOV Xh, L	MOV XI, L	MOV Yh, L	MOV YI, L	MOV H, L		MOV AC, L	MOV SP, L
36	MOV Xh, AC	MOV XI, AC	MOV Yh, AC	MOV YI, AC	MOV H, AC	MOV L, AC	1101/15	MOV SP, AC
37	MOV Xh, SP	MOV XI, SP	MOV Yh, SP	MOV YI, SP	MOV H, SP	MOV L, SP	MOV AC, SP	
	Extended Instruction Set							
	0	1	2	3	4	5	6	7
00	ADD (Xhl)	ADD (Yhl)		LD Xh, (Yhl)		STR Xh, (Yhl)	MOV Yhl, Xhl	PSH Xhl
01	ADC (Xhl)	ADC (Yhl)		LD XI, (YhI)		STR XI, (Yhl)	MOV HL, Xhl	POP XhI
02	SUB (Xhl)	SUB (Yhl)	LD Yh, (Xhl)		STR Yh, (Xhl)		MOV Xhl, Yhl	PSH Yhl
03	SBB (Xhl)	SBB (Yhl)	LD YI, (XhI)		STR YI, (XhI)		MOV HL, Yhl	POP Yhl
04	CMP (Xhl)	CMP (Yhl)	LD H, (Xhl)	LD H, (Yhl)	STR H, (Xhl)	STR H, (Yhl)	MOV Xhl, HL	PSH HL
05	AND (Xhl)	AND (Yhl)	LD L, (Xhl)	LD L, (Yhl)	STR L, (Xhl)	STR L, (Yhl)	MOV Yhl, HL	POP HL
06	OR (Xhl)	OR (Yhl)	LD AC, (Xhl)	LD AC, (Yhl)	STR AC, (Xhl)	STR AC, (Yhl)		PSH PC
07	XOR (Xhl)	XOR (Yhl)						POP PC