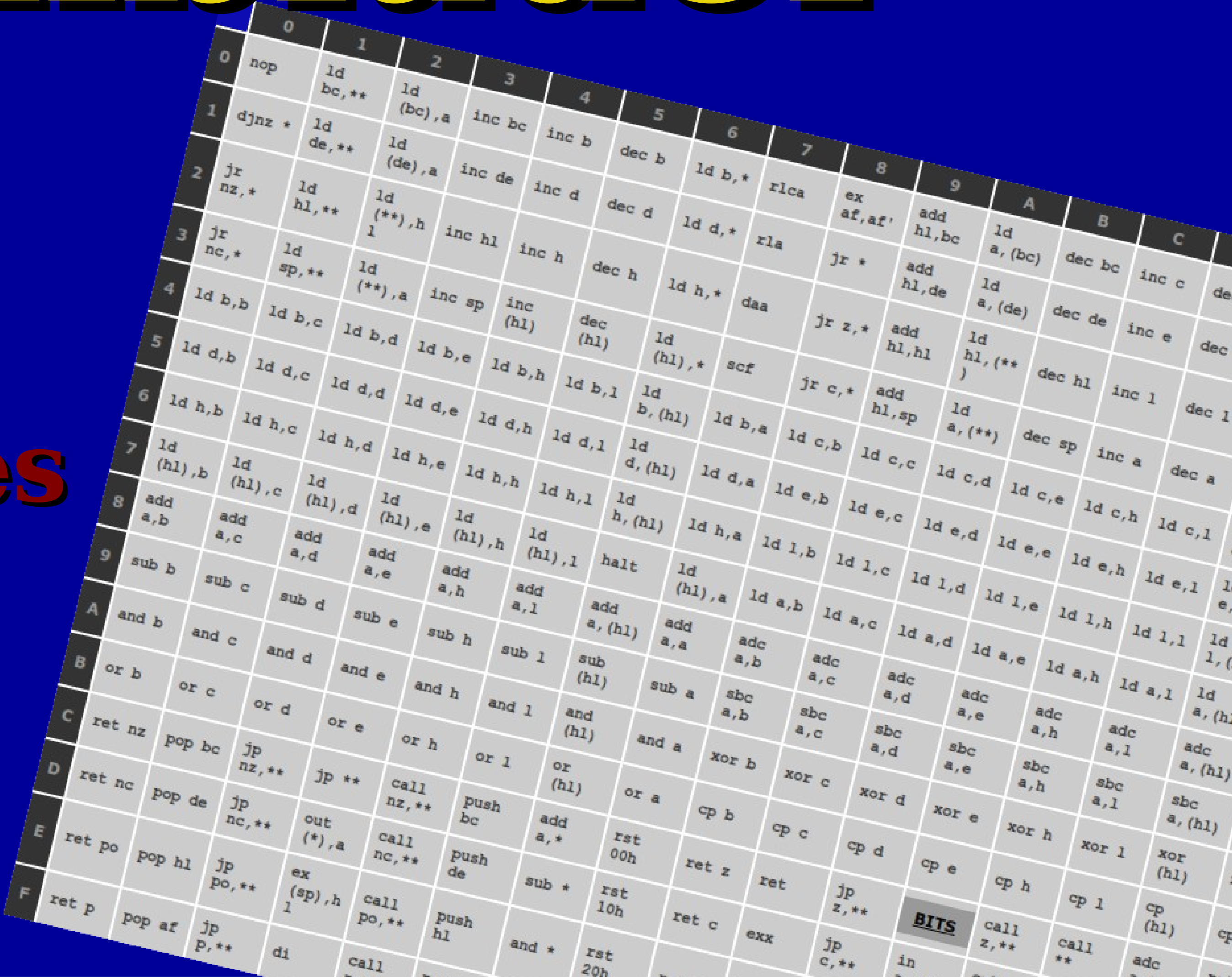
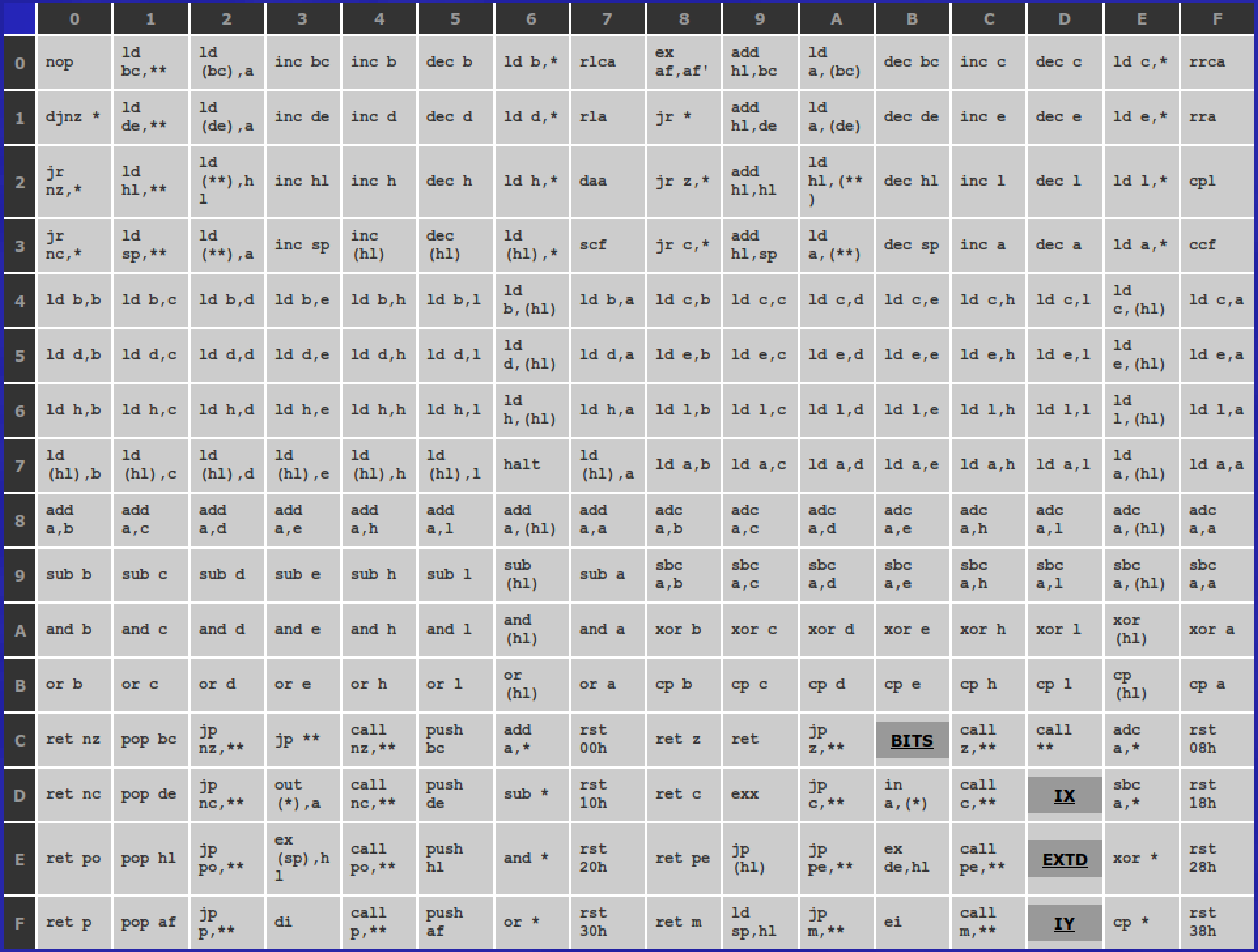
Dominando Ensamblador Z80

Instrucciones del Z80



	0	1	2	3	4	5	6	7	8	9	A	B	C			
0	nop	ld bc,**	ld (bc),a	inc bc	inc b	dec b	ld b,*	rlca	ex af,af'	add hl,bc	ld a,(bc)	dec bc	inc c	de		
1	djnz *	ld de,**	ld (de),a	inc de	inc d	dec d	ld d,*	rla	jr *	add hl,de	ld a,(de)	dec de	inc e	dec		
2	jr nz,*	ld hl,**	ld (**),hl	inc hl	inc h	dec h	ld h,*	daa	jr z,*	add hl,hl	ld hl,(**)	dec hl	inc l	dec l		
3	jr nc,*	ld sp,**	ld (**),a	inc sp	inc (hl)	dec (hl)	ld (hl),*	scf	jr c,*	add hl,sp	ld a,(**)	dec sp	inc a	dec a		
4	ld b,b	ld b,c	ld b,d	ld b,e	ld b,h	ld b,l	ld b,(hl)	ld b,a	ld c,b	ld c,c	ld c,d	ld c,e	ld c,h	ld c,l		
5	ld d,b	ld d,c	ld d,d	ld d,e	ld d,h	ld d,l	ld d,(hl)	ld d,a	ld e,b	ld e,c	ld e,d	ld e,e	ld e,h	ld e,l	l e,	
6	ld h,b	ld h,c	ld h,d	ld h,e	ld h,h	ld h,l	ld h,(hl)	ld h,a	ld l,b	ld l,c	ld l,d	ld l,e	ld l,h	ld l,l	ld l,(	
7	ld (hl),b	ld (hl),c	ld (hl),d	ld (hl),e	ld (hl),h	ld (hl),l	halt	ld (hl),a	ld a,b	ld a,c	ld a,d	ld a,e	ld a,h	ld a,l	ld a,(h	
8	add a,b	add a,c	add a,d	add a,e	add a,h	add a,l	add a,(hl)	add a,a	adc a,b	adc a,c	adc a,d	adc a,e	adc a,h	adc a,l	adc a,(hl)	
9	sub b	sub c	sub d	sub e	sub h	sub l	sub (hl)	sub a	sbc a,b	sbc a,c	sbc a,d	sbc a,e	sbc a,h	sbc a,l	sbc a,(hl)	
A	and b	and c	and d	and e	and h	and l	and (hl)	and a	xor b	xor c	xor d	xor e	xor h	xor l	xor (hl)	
B	or b	or c	or d	or e	or h	or l	or (hl)	or a	cp b	cp c	cp d	cp e	cp h	cp l	cp (hl)	cp
C	ret nz	pop bc	jp nz,**	jp **	call nz,**	push bc	add a,*	rst 00h	ret z	ret	jp z,**	BITS	call z,**	call **	adc	
D	ret nc	pop de	jp nc,**	out (*),a	call nc,**	push de	sub *	rst 10h	ret c	exx	jp c,**	in				
E	ret po	pop hl	jp po,**	ex (sp),hl	call po,**	push hl	and *	rst 20h								
F	ret p	pop af	jp p,**	di	call											

Instrucciones



	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	nop	ld bc,**	ld (bc),a	inc bc	inc b	dec b	ld b,*	rlca	ex af,af'	add hl,bc	ld a,(bc)	dec bc	inc c	dec c	ld c,*	rrca
1	djnz *	ld de,**	ld (de),a	inc de	inc d	dec d	ld d,*	rla	jr *	add hl,de	ld a,(de)	dec de	inc e	dec e	ld e,*	rra
2	jr nz,*	ld hl,**	ld (**),hl	inc hl	inc h	dec h	ld h,*	daa	jr z,*	add hl,hl	ld hl,(**)	dec hl	inc l	dec l	ld l,*	cpl
3	jr nc,*	ld sp,**	ld (**),a	inc sp	inc (hl)	dec (hl)	ld (hl),*	scf	jr c,*	add hl,sp	ld a,(**)	dec sp	inc a	dec a	ld a,*	ccf
4	ld b,b	ld b,c	ld b,d	ld b,e	ld b,h	ld b,l	ld b,(hl)	ld b,a	ld c,b	ld c,c	ld c,d	ld c,e	ld c,h	ld c,l	ld c,(hl)	ld c,a
5	ld d,b	ld d,c	ld d,d	ld d,e	ld d,h	ld d,l	ld d,(hl)	ld d,a	ld e,b	ld e,c	ld e,d	ld e,e	ld e,h	ld e,l	ld e,(hl)	ld e,a
6	ld h,b	ld h,c	ld h,d	ld h,e	ld h,h	ld h,l	ld h,(hl)	ld h,a	ld l,b	ld l,c	ld l,d	ld l,e	ld l,h	ld l,l	ld l,(hl)	ld l,a
7	ld (hl),b	ld (hl),c	ld (hl),d	ld (hl),e	ld (hl),h	ld (hl),l	halt	ld (hl),a	ld a,b	ld a,c	ld a,d	ld a,e	ld a,h	ld a,l	ld a,(hl)	ld a,a
8	add a,b	add a,c	add a,d	add a,e	add a,h	add a,l	add a,(hl)	add a,a	adc a,b	adc a,c	adc a,d	adc a,e	adc a,h	adc a,l	adc a,(hl)	adc a,a
9	sub b	sub c	sub d	sub e	sub h	sub l	sub (hl)	sub a	sbc a,b	sbc a,c	sbc a,d	sbc a,e	sbc a,h	sbc a,l	sbc a,(hl)	sbc a,a
A	and b	and c	and d	and e	and h	and l	and (hl)	and a	xor b	xor c	xor d	xor e	xor h	xor l	xor (hl)	xor a
B	or b	or c	or d	or e	or h	or l	or (hl)	or a	cp b	cp c	cp d	cp e	cp h	cp l	cp (hl)	cp a
C	ret nz	pop bc	jp nz,**	jp **	call nz,**	push bc	add a,*	rst 00h	ret z	ret	jp z,**	**BITS**	call z,**	call **	adc a,*	rst 08h
D	ret nc	pop de	jp nc,**	out (*),a	call nc,**	push de	sub *	rst 10h	ret c	exx	jp c,**	in a,(*)	call c,**	**IX**	sbc a,*	rst 18h
E	ret po	pop hl	jp po,**	ex (sp),hl	call po,**	push hl	and *	rst 20h	ret pe	jp (hl)	jp pe,**	ex de,hl	call pe,**	**EXTD**	xor *	rst 28h
F	ret p	pop af	jp p,**	di	call p,**	push af	or *	rst 30h	ret m	ld sp,hl	jp m,**	ei	call m,**	**IY**	cp *	rst 38h

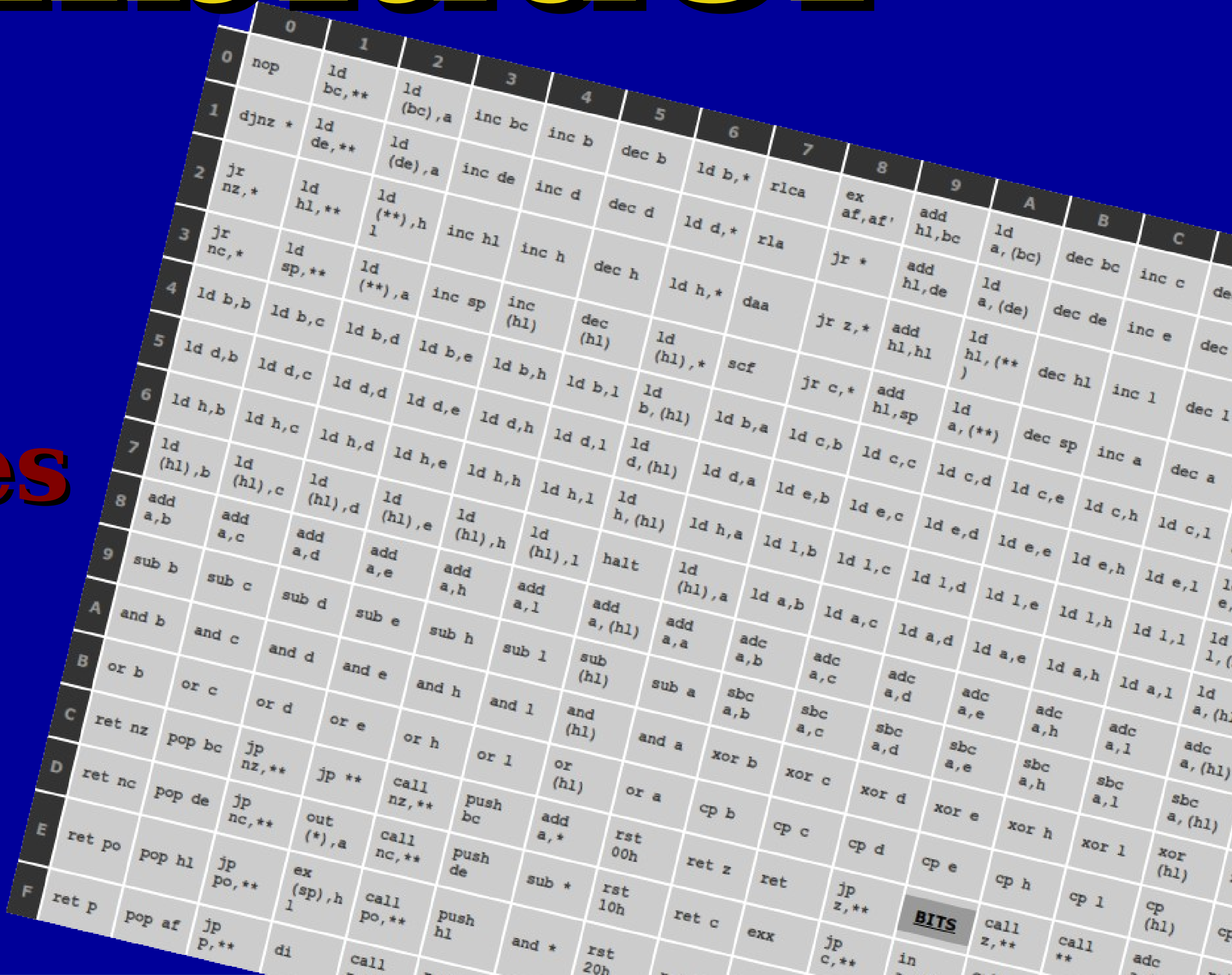
http://clrhome.org/table

Instrucciones

Instrucción	Operandos		Ensamblador
3E	00		ld a, 00
32	00	FF	ld (FF00), a
21	00	FF	ld hl, FF00
22	00	FF	ld (FF00), hl
18	00		jr 00

Dominando Ensamblador Z80

Instrucciones del Z80



	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	nop	ld bc,**	ld (bc),a	inc bc	inc b	dec b	ld b,*	rlca	ex af,af'	add hl,bc	ld a,(bc)	dec bc	inc c	de		
1	djnz *	ld de,**	ld (de),a	inc de	inc d	dec d	ld d,*	rla	jr *	add hl,de	ld a,(de)	dec de	inc e	dec		
2	jr nz,*	ld hl,**	ld (**),hl	inc hl	inc h	dec h	ld h,*	daa	jr z,*	add hl,hl	ld hl,(**)	dec hl	inc l	dec l		
3	jr nc,*	ld sp,**	ld (**),a	inc sp	inc (hl)	dec (hl)	ld (hl),*	scf	jr c,*	add hl,sp	ld a,(**)	dec sp	inc a	dec a		
4	ld b,b	ld b,c	ld b,d	ld b,e	ld b,h	ld b,l	ld b,(hl)	ld b,a	ld c,b	ld c,c	ld c,d	ld c,e	ld c,h	ld c,l		
5	ld d,b	ld d,c	ld d,d	ld d,e	ld d,h	ld d,l	ld d,(hl)	ld d,a	ld e,b	ld e,c	ld e,d	ld e,e	ld e,h	ld e,l	l e,	
6	ld h,b	ld h,c	ld h,d	ld h,e	ld h,h	ld h,l	ld h,(hl)	ld h,a	ld l,b	ld l,c	ld l,d	ld l,e	ld l,h	ld l,l	ld l,(	
7	ld (hl),b	ld (hl),c	ld (hl),d	ld (hl),e	ld (hl),h	ld (hl),l	halt	ld (hl),a	ld a,b	ld a,c	ld a,d	ld a,e	ld a,h	ld a,l	ld a,(h	
8	add a,b	add a,c	add a,d	add a,e	add a,h	add a,l	add a,(hl)	add a,a	adc a,b	adc a,c	adc a,d	adc a,e	adc a,h	adc a,l	adc a,(hl)	
9	sub b	sub c	sub d	sub e	sub h	sub l	sub (hl)	sub a	sbc a,b	sbc a,c	sbc a,d	sbc a,e	sbc a,h	sbc a,l	sbc a,(hl)	
A	and b	and c	and d	and e	and h	and l	and (hl)	and a	xor b	xor c	xor d	xor e	xor h	xor l	xor (hl)	
B	or b	or c	or d	or e	or h	or l	or (hl)	or a	cp b	cp c	cp d	cp e	cp h	cp l	cp (hl)	cp
C	ret nz	pop bc	jp nz,**	jp **	call nz,**	push bc	add a,*	rst 00h	ret z	ret	jp z,**	BITS	call z,**	call **	adc	
D	ret nc	pop de	jp nc,**	out (*),a	call nc,**	push de	sub *	rst 10h	ret c	exx	jp c,**	in				
E	ret po	pop hl	jp po,**	ex (sp),hl	call po,**	push hl	and *	rst 20h								
F	ret p	pop af	jp p,**	di	call											