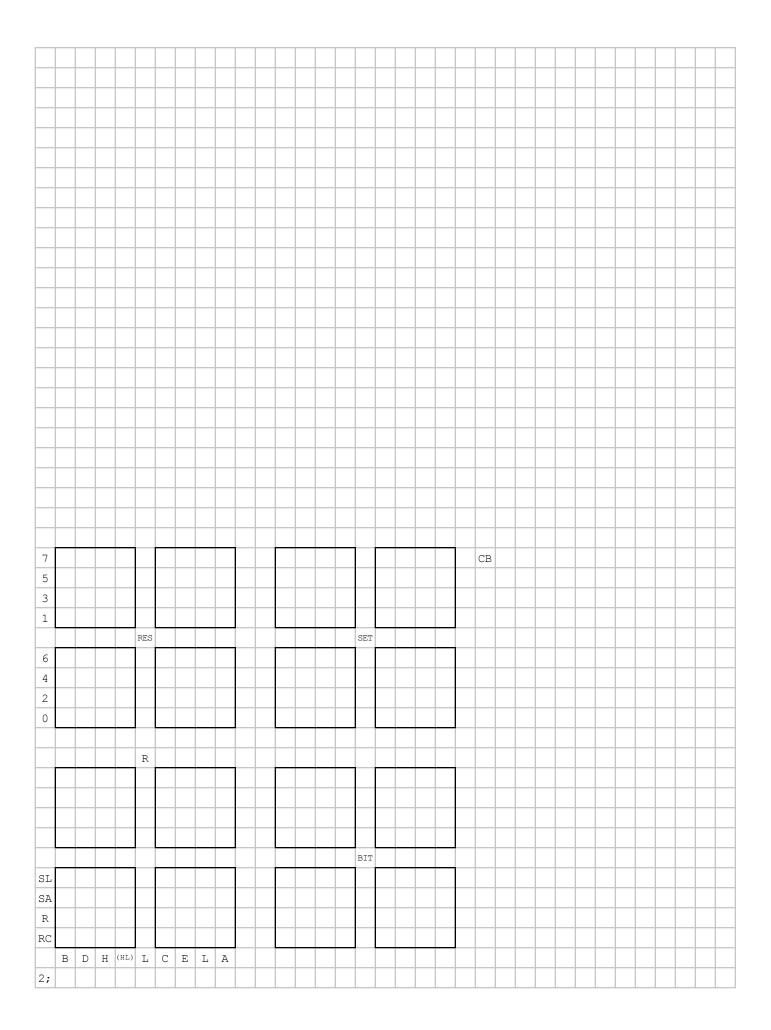
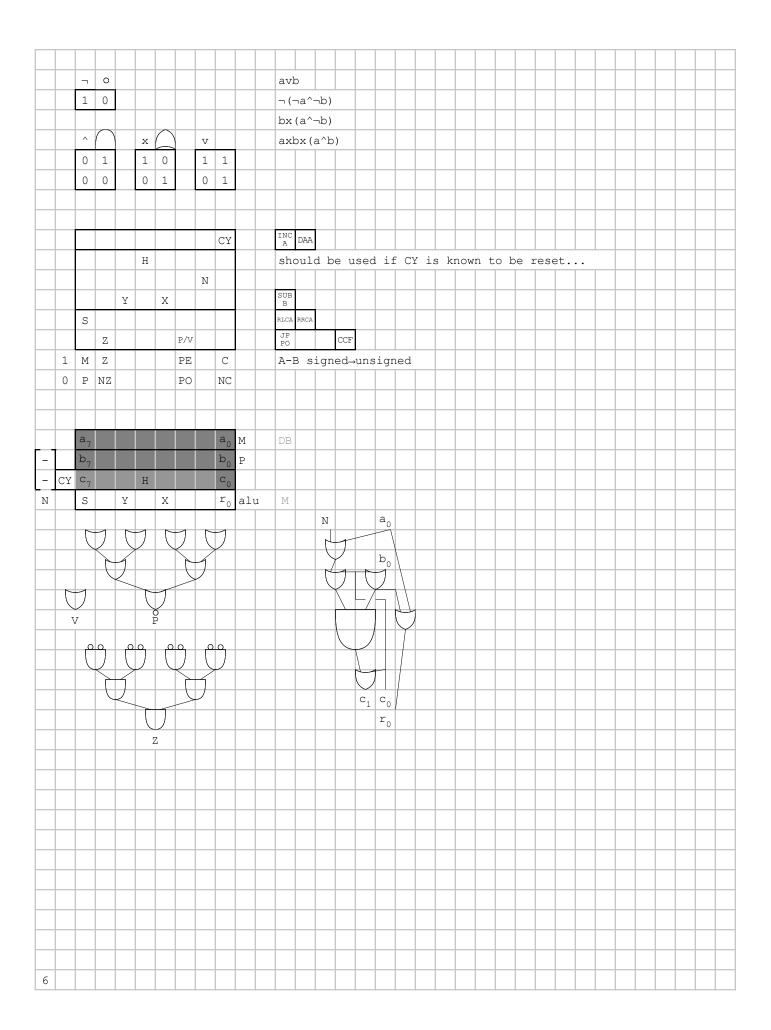
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					D		_										_																	
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					MNOP											MNOP	$\vdash$																	
R																																		
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	LD	IN			I	CP	OUT																											
В										F		А			2					NOP														
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9										D		E			2					A,R												$\neg$		
8												С			_				RETT													-		
0			~		1010		_	_	_	С			ADC				$\vdash$		RETI	L, A			H		-	H			-	H		-		-
	8	A	С	Ε	MNOP	9	В	D	F				ADC HL,				_	R(nn)							-				-			_		
3										7		P	SP		1					NOP			Ш			Ш				Ш		_		
2										6		Н	HL		0					RRD	HL		Ш			Ш				Ш				
1										5		D	DE		1					A,I														
0										4		В	вс		0					I,A		У	х			У			х					
	0	2	4	6		1	3	5	7			I(BC)	SBC HL,	NEGA	IM		O(BC)	W(nn)	RETN	А		0	0	2	2	1	2	2	1					
CD											М						LD SP,HL	υт	[FD]	20														
CP	-					_					M																					-		
X	_										PE						JP HL															_		
SBC											С						EXX		[DD] IX															
ADC				Ш					Ш		Z						RET	[CB]	CALL	08														
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V											Р						AF	DI		30														
^											PO						HL	EX (SP) HL		20														
SUB											NC						DE	OUT n		10														
ADD											NZ						ВС			00														
	В	D	Н	(HL)		С	E	L	А			BEm	.тр	CALL	(PC)		POP		PUSH	_											-	-	-	
	ם	ע	11	,2,			ئد	ш	Α	H		1411	UF		01		1.01			1.001			$\vdash$			$\vdash$				$\vdash$	-	-	-	
							—																		-				-			_		
	С								CCF		Α														_				_					
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		R				ADD HL,	-																											
	NC					SP			SCF		(HL)				HALT																			
	NZ					HL			DA		Н																							
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_	DNZ	_				DE			RL		D												$\vdash$		-	$\vdash$			-	$\vdash$	-	_	-	
	NOP			Ш		BC	_		RLC		В						$ldsymbol{ldsymbol{eta}}$															_		
	JR	M	INC	(PC)		nn	+	DEC	А	Ш		В	D	Н	(HL)		С	Ε	L	А														
<u> </u>																																		



R	Τ								ED	0	[n]	[ n ]								
CB R/S OR[SZP un], CY diff	+										[n]									Н
CB BIT AND/CY un P^2 <sup>y</sup> like mem	dec	ode	9 30	ddr					DD FD		[d]	-								$\vdash$
CB BIT (HL) like above, YX from W	T	Joue		301					FD		[ \( \) ]									$\vdash$
ED RD OR/CY un (on A aft)	+																			$\vdash$
$3_{R}$ P(HL) + $\rightarrow$ WZ	+																			$\vdash$
4 RL with $A_3$ as $CY, A_2, A_1, A_0$	+																			Н
3 <sub>W</sub> P(HL)	+																			$\vdash$
-W I (III)	+																			Н
	+																			Н
	+																			Н
	+				+															$\vdash$
	+				+	Н									_					$\vdash$
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	+-			_																H
	+	-	_		-						-		_					-		H
decode:		0	0	_																H
if DD ED FD	IX		1	-	-			-										-		H
01 10 11 set	HL		0	_																H
interrupts not sampled	IY	1	1		-													-		Ш
if CB F3 FB	+				-													-		Ш
interrupts not sampled	WZ	0	0	BC	-													-		Ш
more decode	+		1	DE	1													-		Ш
if HL not used AND mem AND x1	_	1		HI	-													-		Ш
3 <sub>R</sub> M(PC)+		1	1	_	AF													_		Ш
5 'HL'+M→HL/set 00	(	) +-	→PC	hi	gh/	low														Ш
	+			_	-													-		Ш
LD IXH, (HL)	+				-													-		Ш
	+			_	-			-										_		$\square$
	+			_	-		_											_		Ш
(4 <sub>R</sub> ) DD	1			_										Ш				R	_	_
(4 <sub>R</sub> ) CB	1				-			CY	P <sub>7</sub>					Ш	P <sub>0</sub>	4	P <sub>7</sub>	CY	0	1
$\binom{4}{R}$ CB $\binom{4}{R}$ CB $\binom{3}{R}$ M(PC) +	$\perp$			_	-									Щ						Ш
$\binom{4}{R}$ o $\binom{4}{R}$ o $\binom{5}{R}$ P(PC) + IX+M-	→WZ	0		_	-				P <sub>7</sub>			<b>&gt;</b>	P <sub>7</sub>	Ш					P <sub>0</sub>	CY
0 $r\rightarrow P$ $3_R$ P(HL) $3_R$ P(WZ)	1				-	Ш		SL	SA	R	RC							_		Ш
0 [alu→r] +1 alu→P +1 alu→P	1			_	-									Щ						Ш
[3 <sub>W</sub> ] P(HL) [3 <sub>W</sub> ] P(WZ)	1					A <sub>3</sub>		A <sub>0</sub>	P <sub>7</sub>					Ш	$P_0$	<del>*</del>	A <sub>3</sub>	<u> </u>		A <sub>0</sub>
[0] P-r	$\perp$				_			_												Щ
also not for (HL	)]	like	∈ IN			A <sub>3</sub>		A <sub>0</sub>	<b>&gt;</b>	P <sub>7</sub>				Щ		P <sub>0</sub>	A <sub>3</sub>	<u> </u>		A <sub>0</sub>
3 rotate/shift/bit																				

CP		SUI	3/Y	Хf	rom	ı P					DE	С	SUE	3/C	Yи	n	P-(	)-1-	→P	Γ	EC												
XOI	3.	OR									IN	С	ADI	)/C	Υu	n	P+(	)+1-	→P	I	NC			T									
SBO	C	SUI	3								3 <sub>R</sub>	М(І	PC) -	+						+	-2 (	rr)	+	T									
ADO	C	ADI	D								5	IX-	+M→[	٧Z										T									
OR					0		Р	0	0		3 <sub>R</sub>	P (F	HL)										T	T									
ANI	)				1		Р	0	0		+1	alı	ı→P																				
SUE	3						V	1			3,,	P (I	HL)																				
ADI	)						V	0																									
		S	Z	Y	Н	Х	P/V	N	С		CC:	F	CY-	→H	<u>H</u> →0	CY	7XY	JΑ	0→N														
	r→I	2		3 <sub>R</sub>	M (	PC)	+				SC	F	O→F	ł	<u>H</u> →0	CY	(0-	→YX	for	TI	)		T	T									
0	A→N	4			IX-						CP:	L	0-2	\-1·	→A	SUE	3/S	ZV,	CY ur	n (	1→H	)	T	T									
0	[a]	lu→	A]	3 <sub>R</sub>	P (I	HL)				ED	NE	G	0-2	A→A		SUE	3						T	T									
				0	A→I	М																	T	T									
				0	[a:	lu→.	A]				DA	A	OR	/HC	di	ff,	N u	n					T	T									
											if	Ηv	A <sub>3-</sub>	_0≥0	A	±06	5	nes	ĸŧ				T	T									
ADD	HL,										_	Cv	_		-	±06	5			$\top$				Ť									
ED	ADC	HL,											Ė									$\top$			$\forall$								
ED	SBC	HL,																				$\top$											
4	(HI	L) +.	→WZ									5	IXI	Ĺ→P									T	T									
	rrI	L→M	pa	ral	lel								alı	ı→Z	+								T	T									
	L→I	2											M <sub>7</sub> -	N	M <sub>7</sub> >	cCY-	→CY	Р(Е	PC) +				T	T									
	alı	ı→L	±[	c]	ADI	D[S	ZV	un]	/st	JB			IXI	I→P										T									
3	rrF	Н→М											alı	ı→W	+/0	2								T									
	H→I	2										afi	fect	S	fla	gs.	m	nayk	e				T	T									
	alı	ı→Н	±/	С	ADI	D[S	ZV	un]	/st	JB	Z	AND	ed										T	T									
																							T	T									
LD	r <sub>1</sub> ,	r <sub>2</sub>			LD	r,	n			rr(	PC)			ED	A,I	/R							T	T									
	r, (I	HL)				(HL	),n			3 <sub>R</sub>	rL	(PC)	) +		I/R	, A							T	T									
	(HL)	),r			3 <sub>R</sub>	P(	PC)-	+		3 <sub>R</sub>	rН	(PC)	) +	+1	I/1	R→P	OR,	/CY	un	I	FF2	→P/	V	T									
	r <sub>2</sub> -	•P			0	P→:	r			HL (	_	1							INT a	ack	(e:	rro	r)/	son	net	im	es.						
0	P→ı						PC)-	+		ED	rr(	WZ)			A→:																		
3 <sub>R</sub>	М(І	PC)	+		3,,	P(1	HL)			3 <sub>R</sub>	Z (	PC)-	+	+1	P→:	I/R							T	T									
	IX-				_		PC)-	+				PC)-																					
3 <sub>R</sub>	P (F	HL)			_	_	+M→ľ					(WZ																					
	P→1					P (	PC)-	+				(WZ																					
	r→I	2			3,,	P (1	WZ)			A (B	C)																						
3 <sub>R</sub>	М(І	2C)	+		Ï					A (Di	Ε)						IN	n				$\top$											
	IX-				ED	I (B	C)			A (W	Z)						OUT	Гn				$\top$											
3,,	P (F	HL)			ED	0 (B	C)			3 <sub>R</sub>	Z (	PC)	+					A→V	1	$\top$				T									
					4 <sub>I</sub>	P (1	BC)-	• +→W	Z			PC)-					3 <sub>R</sub>	Z ( E	PC)+			$\top$											
							/CY			3 <sub>R/W</sub>							_	_	IZ)+			$\top$			$\forall$								
					0	P→:	r				_	→W] <sub>v</sub>	W						•W] <sub>○</sub>	$\top$				Ť									
						r	P 0:	r				→W I		fo	r I	l)			→W I/	0 :	for	TI)											
							FF→l		A f	or															$\forall$								
					4_0		BC) -		_															T									
					j																	$\top$			$\forall$								
4	ari	ith	met	ic/	loa	id/i	io					П								$\dagger$		$\top$	$\top$	T	$\dagger$								
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S	LD	3,	P(HL)±					СР	3,	P(H)	L) ±																			
B-M2	Н				P(DE)	±					_		)	SZF	1	(WZ	Z)±													
B_M		VV									$\top$																			
All   All   All   P/V   ORad   All   All   P/V   ORad   CR   All   CR   All   All					-/						+														S	7.	Y	Н		
S				CY	P/V O	Red					+				_	P/I	<i>I</i> 0	L Red		OR	$\neg Z$									
S   (PC)NZ				_			XY			A→M	١.	-/F	1	N		-,											-1			
		5		_	John				5	11 /11		, -	-														Y	0		
Alu-PCL -1		_							Ť		+														Х	BC≠0				
N-M				-1							+																			
A   A   P   BC   -CY											+																Y			
TN 4				-CZ	Y						$\top$														Х	BC≠0	-			
4											$\top$																			
A	IN	4_	P(BC)±→W	 Z	Z→M			OUT	4,	P(H)	[,) ±		В-	SZY	/X	L→N	4											Н		
P_7-N						(reaso	n for					_					_									P	P.,			
M+P-P CY CY-H cond ¬Z		W		H		CALLA	-,		0	_	_								$\Box$				$\dashv$			-	/			$\dashv$
BxP2-0   P			-	CY-	→H Tco	nd ¬7				-	_	CY	CY-	→H	cor	nd -	¬Z		$\Box$				$\dashv$				Н			$\dashv$
S   CPC   S   S   S   S   S   S   S   S   S											_								Н				$\dashv$				Н			=
PCL-M		5			$\vdash$	$\vdash$													Н				$\dashv$							$\dashv$
Alu-PCL -1		-				$\vdash$			_		+								Н				$\dashv$							$\dashv$
PCH=M				-1		$\vdash$				$\vdash$	+								Н				$\dashv$							$\dashv$
Alu-PCH -/CY											$\top$																			
POP				-/(	CY																									
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				-				_		HL	1-								_	<u>Τ</u> έ	ct	ive	$\exists$							$\neg$
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	-	_		_			+1	alı	ม→B	-1	$\top$																			$\neg$
JP HL $3_{\text{W}}$ PCL (SP) $5$ PC+M $\rightarrow$ WZ $4$				-		P) -	_	-		_	con	d					ED	MN	OP				$\exists$							$\neg$
	JP :	HL						•										4												$\neg$
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										$\Box$	$\top$								П				$\dashv$							$\exists$
										$\Box$	$\top$								П				$\dashv$							$\neg$
5; block/stack-flow/other	5;	blo	ock/stack	-fl	.ow/otl	her					$\top$								П				$\dashv$							$\neg$



vith	ris	ing	ed	ge (	of T <sub>L</sub>								wh	ile	RES	ET	ac	tive	e (	3Т	MIN	1 t	0 0	comp	ole	te)			
wh	ile	BU	SRE	<u>)</u> ac	ctive	:								AB	, DB	hig	h-:	impe	eda	nce	st	at	e						
	al	l hi	igh-	-imp	edan	ce :	sta	te						al	l ot	her	01	ıtpı	ıt	sig	nal	s	ina	cti	ve				
	BU:	SACE	<u> </u>	ctiv	7e									0→	IFF1	,IF	F2,	, IN	MF <sub>a</sub> ,	, IMI	F <sub>b</sub> ,	PC	, II	3.					
if	M <sub>T.</sub>														FF→A								-	-	re	set			
	if	NM	I F	/F																									
		0→N	IMI	F/F	, IF	F1																							
		(4 <sub>R</sub> )	P(F	C)	0 <i>→</i> W	66	→Z	pu	sh	PC	se	l W	Z			$\top$													
	if	IFE	71																										
		if	INT	<u>'</u> ac	tive																								
			0→I	FF1	, IF	F2																							
			(6 <sub>R</sub> )	P(P	C)																								
			if	IMF	a																								
				if	IMF <sub>b</sub>																								
					I→M	pu	sh	PC	se	l W	Z	pol	MP I	ΝZ															
				els	e																								$\top$
					0→W	38	→Z	pu	sh	PC	se	l W	Z																
					1	/IMV	'INT	ΓА	ck:	PC	re	mai	ns	sta	tior	nary	y f	or	Ι										
							INT	ΓА	ck:	101	RQ	rep	lac	es	MREC	<u>)</u> ir	n M	11 a	nd	RD	no	tι	ıse	d					
										two	ο Т,	"ao	dde	d a	utom	ati	.ca	lly											
										IO	RO .	act	ive	fc	r 1.	.5Т	be	for	e i	risi	ing	Тз	(]	Like	e <u>M</u>	REQ	)		
I									MH:	z/E	3*n	s=T	1																
11 M <sub>x</sub>	$\rm M_{L}$																												
$\Gamma_{x} \mid T_{W}$	$T_L$								HA:	<u>LT</u>	1.2	2T 1	MAX																
									WA:	ΙT	.28	3T 1	MIN	be	fore	sa	amp	le	edç	ge									
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I	0								otl	her	de	lay	s																
					R <sub>6-0</sub> +																								
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CLK					$\neg$ L		L		CLI	K		L		L	$\Box$					CLK			L		L		L		
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RFSH				$\neg$					CLI	K		<u>_</u>		<u>_</u>	W		$\Box$			CLK			L		L	M	L	<u> </u>	
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