

		0001 ;	
		0002 ;	CENTRONICS PRINTER OUTPUT PROGRAM
		0003 ;	
		0004 ;	DEFINE PIO PORTS
		0005 ;	
	(0004)	0006 ADATA:	EQU 4
	(0005)	0007 BDATA:	EQU 5
	(0006)	0008 ACTRL:	EQU 6
	(0007)	0009 BCTRL:	EQU 7
		0010 ;	
0000'		0011	ORG 0C50H
		0012 ;	
		0013 ;	PRINT OUTPUTS A CHARACTER TO THE PRINTER
		0014 ;	CONVERTING THE NON-ASCII NASCOM CONTROL
		0015 ;	CHARACTERS TO ASCII.
		0016 ;	
0C50	F5	0017 PRINT;	PUSH AF ;SAVE A&F
0C51	FE1D	0018	CP 1DH ;IS IT NASCOM BS?
0C53	2002	0019	JR NZ,PI0 ;NO, SKIP
0C55	3E08	0020	LD A,08H ;YES, USE ASCII BS
0C57	FE1E	0021 P10:	CP 1EH ;IS IT NASCOM FF?
0C59	2002	0022	JR NZ,P20 ;NO, SKIP
0C5B	3E0C	0023	LD A,0CH ;YES, USE ASCII FF
0C5D	FE1F	0024 P20:	CP 1FH ;IS IT NASCOM CR?
0C5F	2002	0025	JR NZ,P30 ;NO, SKIP
0C61	3E0D	0026	LD A,0DH ;THEN CR
0C63	CD680C	0027 P30:	CALL PCHAR ;SEND THE CHARACTER
0C66	F1	0028	POP AF ;RESTORE A&F
0C67	C9	0029	RET
		0030 ;	
		0031 ;	PCHAR OUTPUTS A CHARACTER TO THE PRINTER
		0032 ;	ENTER WITH THE CHARACTER IN A
		0033 ;	
0C68	F5	0034 PCHAR:	PUSH AF ;SAVE CHARACTER
0C69	3E0F	0035	LD A,0FH ;PIO MODE 0 (OUTPUT)
0C6B	D306	0036	OUT ACTRL,A ;SET PORT A
0C6D	3E4F	0037	LD A,4FH ;PIO MODE 1 (INPUT)
0C6F	D307	0038	OUT BCTRL,A ;SET PORT B
0C71	DB05	0039 PRDY:	IN A,BDATA ;IN FROM PORT B
0C73	17	0040	RLA ;ROTATE BIT 7 INTO CY
0C74	38FB	0041	JR C,PRDY ;WAIT TIL 0
0C76	F1	0042	POP AF ;GET THE CHARACTER BACK
0C77	CBFF	0043	SET 7,A ;SET M.S.BIT
0C79	D304	0044	OUT ADATA,A ;SET IT
0C7B	CBFF	0045	RES 7,A ;CLEAR M.S.BIT
0C7D	D304	0046	OUT ADATA,A ;SEND IT
0C7F	CBFF	0047	SET 7,A ;SET IT AGAIN
0C81	D304	0048	OUT ADATA,A ;SEND IT
0C83	C9	0049	RET ;RETURN TO CALLER
		0050 ;	
		0051 ;	'ECHO' SENDS CHARACTERS TO THE PRINTER
		0052 ;	AS WELL AS THE SCREEN.
		0053 ;	
0C84	CD3B01	0054 ECHO:	CALL 013BH ;NORMAL CRT ROUTINE
0C87	C3500C	0055	JP PRINT ;PRINT AND RETURN
		0056 ;	
		0057 ;	NEW VALUE FOR THE \$CRT REFLECTION