

ORG &9E60 ;coexist with vardump

;**** Error Checking ****

.vfind

CP 1 ;1 parameter passed?
RET NZ
LD L,(IX+0)
LD H,(IX+1)
PUSH HL

POP IX
LD A,(IX) ;get string length
CP 0 ;empty string?
RET Z
CP 41 ;too long?
RET NC

;**** Get String Contents ****

LD(namelen),A
LD B,A
LD L,(IX+1) ;point HL to start
LD H,(IX+2) ;of string
LD IX,namestore

.tfrlp

LD A,(HL) ;get character
CP 97 ;lower case?
JP C,tflp1
RES 5,A ;make upper case

.tflp1

LD(IX),A ;and store
INC IX
INC HL

DJNZ tfrlp	CP (IY+0) ;compare first char	LD IX,dectable
SET 7,(IX-1) ;add 128 to last	JP Z,checkrest	LD IY,decdigits
**** Search ****	.nextchar	LD C,5
LD HL,&170 ;start of basic	INC IX	.fdnloop1
LD (linadr),HL	DJNZ lineloop	LD E,(IX+0)
	JP searchloop	LD D,(IX+1)
		LD B,0
.searchloop	.checkrest ;check following chars	.fdnloop2
LD A,66	PUSH IX	XOR A
CALL &BB1E	PUSH IY	SBC HL,DE
RET NZ ;escape?	PUSH BC	JP C,fdn1
LD IX,(linadr)	LD A,(namelen) ;get name length	INC B
LD E,(IX+2)	LD B,A ;make it a counter	JP fdnloop2
LD D,(IX+3)	.chrstlp	.fdn1
LD (lineno),DE	LD A,(IX)	ADD HL,DE
LD E,(IX+0) ;get line length	CP 97 ;lower case?	LD (IY),B
LD D,(IX+1)	JP C,cr1p2	INC IY
LD A,E	BIT 7,A ;last char?	INC IX
OR D ;if zero then finished	JP NZ,cr1p1	INC IX
RET Z	RES 5,A	DEC C
.schlp1	JP cr1p2	JP Z,print
	.cr1p1	JP fdnloop1
PUSH DE	CP 215 ;last char is +128	.print
PUSH IX	JP C,cr1p2	LD B,4
ADD IX,DE ;find next line addr	RES 5,A	LD IX,decdigits
LD (linadr),IX	.cr1p2	.slzlp ;strip leading zeros
POP IX	CP (IY)	LD A,(IX)
POP HL	JP NZ,crexit ;abort if mismatch	CP "0"-48
LD DE,4	INC IX	JP NZ,prno
ADD IX,DE ;find start prog data	INC IY	LD (IX)," "-48
XOR A	DJNZ chrstlp	INC IX
SBC HL,DE ;no. bytes to search	.crexit	DJNZ slzlp
LD A,(namelen)	LD A,0 ;if counter=0 then	.prno ;print number
LD E,A:LD D,0	CP B ;match found	LD B,6
XOR A	JP Z,matchfound	LD IX,decdigits-1
SBC HL,DE ;shorter than name?	POP BC ;no match so resume	.prloop ;with leading space
JP C,searchloop	POP IY ;search at point	LD A,(IX)
JP Z,searchloop	POP IX ;where left off	ADD 48 ;to get ASCII value
LD B,L	JP nextchar	CALL &BB5A
LD C,0		INC IX
LD IY,namestore		DJNZ prloop
.lineloop ;search line	**** Print Line No. ****	POP BC
LD A,(IX)	.matchfound	
CP 97 ;lower case?	LD HL,(lineno)	
JP C,lloop1		
RES 5,A ;make upper case		
.lloop1		

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POP IY
POP IX
JP searchloop ;carry on

.dectable

DEFW 10000,1000,100,10,1
DEFB " "-48 ;leading space

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.decdigits
DEFS 5

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.namelen
DEFS 1

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.linadr
DEFS 2

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.lineno
DEFS 2

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.namestore
DEFS 40

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;**** Initialise RSX's ****

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.enablersx

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LD HL,flag
LD A,1
CP(HL)          ;done before?
RET Z
LD(HL),1        ;set flag
LD BC,rsxtable
LD HL,workspace
CALL &BCD1      ;log iVFIND
RET

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.rsxtable

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WORD nametable
JP vfind

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.nametable

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DEFB "VFIN", "D"+&80

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NOP

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.workspace
DEFS 4

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.flag
DEFS 1

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end

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