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IF YOU WANT TO TRY THE PROM BOARD:

318 - ~~717-9110~~

TOM —

As you see in the pictures you need to cut notches in the cover of the Arcade to allow the Proms to fit. If you have a better idea - fine. Hope you have fun. By the way - the Proms are expensive still and I would appreciate you returning them before too long. Also, the Demo cart. is on loan from a store. I've got access to a CP/M system so maybe we can exchange programs, etc. I've got a number of carts. Partly dis-assembled. If you have any such as Clowns or Fanger Attack I would appreciate your listings. I don't know if you have access to CP/M with Disk but just in case I have enclosed a disk. Good luck —
Larry

● COLOR COMMAND

PRESS "WORDS" & "ERASE" TO ENTER THE COMMAND.

SYNTAX: COLOR N, A, B, C, D

where: N - COLOR GROUP NUMBER (1 TO 8)
 A - COLOR ϕ VALUE
 B - " 1 "
 C - " 2 "
 D - " 3 "

THE COLOR COMMAND IS USED TO ASSIGN 4 COLOR VALUES TO A COLOR GROUP. THE COLOR GROUPS CAN BE ILLUSTRATED AS AN ARRAY:

COLOR GROUP #	COLOR			
	ϕ	1	2	3
1	7	ϕ	7	7
2	7			7
3				
4				
5				
6				
7				
8	7	2	2	1

INITIALLY COLOR GROUP 1 IS SET LIKE THIS:

COLOR 1, 7, ϕ , 7, 7
 COLOR (2-8), 7, 7, 7, 7 (GROUPS 2-8)
 7 = WHITE, ϕ = BLACK

VARIABLES FC = 1, BC = ϕ

● CLINE COMMAND

PRESS "WORDS" & "SPACE" TO ENTER THE COMMAND.

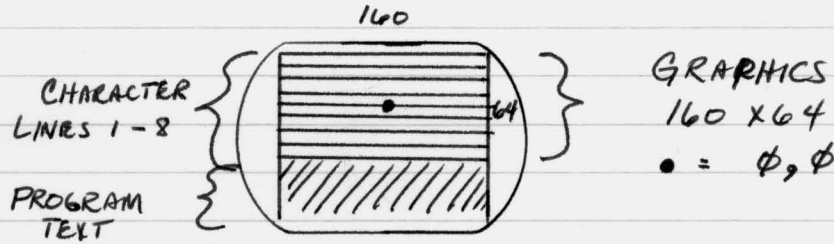
SYNTAX: CLINE N, A

where: N = CHARACTER LINE NUMBER (1 TO 8)
 A = COLOR GROUP FOR THIS LINE (1 TO 8)

THE CLINE COMMAND IS USED TO CHANGE THE COLOR GROUP ASSIGNED TO EACH CHARACTER LINE. INITIALLY, LINES 1-8 ARE SET TO COLOR GROUP 1.

● SCREEN LAYOUT

THE SCREEN IS ORGANIZED LIKE THIS:



- 8 LINES OF 26 CHARACTERS WITH 4 COLORS/LINE
- GRAPHICS AREA OF 160 x 64 PIXELS

● GRAPHICS

THE "LINE" AND "BOX" COMMAND HAVE BEEN CHANGED TO SUPPORT ACCESS TO THE 4 COLORS AVAILABLE.

SYNTAX: LINE X, Y, A
 BOX X, Y, M, N, A

where: X, Y = X, Y COORDINATE (-79 to 80 & -31 to 32)
 M, N = X by Y DIMENSIONS
 A = COLOR VALUE # (φ-3) FOR THE COLOR GROUP

● TEXT OUTPUT

THE OUTPUT OF CHARACTERS IS DONE IN A FRAME OF 6 x 8 PIXELS FOR EACH CHARACTER. THE COLOR OF THE BACKGROUND IS DETERMINED BY THE COLOR # IN THE VARIABLE BC^(φ-3). THE CHARACTER ITSELF IS FORMED WITH PIXELS IN THE COLOR DETERMINED BY FC(φ-3).

>
10 CLEAR
20 GOSUB 170
30 GOSUB 250
40 FOR M=1 TO 8
50 CLINE M,M
60 NEXT M
70 I=32
80 FOR D=0 TO 255
90 FOR A=1 TO 8
100 COLOR A,7,C,C+I,C+I+1
110 C=C+3bI
120 IF C>255 C=RND(4)+2
130 NEXT A
140 MU=D
150 NEXT D
160 STOP
170 FOR G=28 TO -28 STEP -8
180 FOR H=-75 TO 75 STEP 25
190 BOX H,G,8,6,1
200 BOX H+30,G,8,6,2
210 BOX H+60,G,8,6,3
220 NEXT H
230 NEXT G
240 RETURN
250 FOR A=1 TO 8
260 COLOR A,7,91,251,165
270 CLINE A,1
280 NEXT A
290 CX=-33;CY=11
300 FC=1
310 PRINT "COLOR",
320 CX=CX+6
330 FC=2
340 PRINT "BASIC
350 CX=-42;CY=-5
360 PRINT "HAS",
370 CX=CX+6
380 FC=3
390 PRINT "32",
400 CX=CX+6
410 FC=1
420 PRINT "COLORS!"
430 RETURN
>

new cant ?
"color" ?

```

10 CLEAR
20 GOSUB 170 (DRAW BOXES)
30 GOSUB 250 (PRINT MESSAGE)
40 FOR M=1 TO 8
50 CLINE M,M
60 NEXT M

```

ASSIGN COLOR 1 TO LINE 1, COLOR 2 TO LINE 2, 3-3, 4-4, ... 8-8

```

70 I=32
80 FOR D=0 TO 255
90 FOR A=1 TO 8
100 COLOR A,7,C,C+I,C+I+I
110 C=C+3*I
120 IF C>255 C=RND(4)+2
130 NEXT A
140 MU=D
150 NEXT D
160 STOP

```

CYCLES NEW COLOR VALUES FOR COLORS 1, 2, 3 FOR LINE 1-8. LEAVES COLOR 0 WHITE FOR BACKGROUND.

```

170 FOR G=28 TO -28 STEP -8
180 FOR H=-75 TO 75 STEP 80
190 BOX H,G,8,6,1
200 BOX H+30,G,8,6,2
210 BOX H+60,G,8,6,3
220 NEXT H
230 NEXT G
240 RETURN

```

DRAWS 48 BOXES

```

250 FOR A=1 TO 8
260 COLOR A,7,91,251,165
270 CLINE A,1
280 NEXT A

```

PRINTS MESSAGE WITHOUT OVERWRITING MANY BOXES

```

290 CX=-33;CY=11
300 FC=1 (PRINT IN COLOR 1)
310 PRINT "COLOR",
320 CX=CX+6
330 FC=2 (NOW COLOR 2)
340 PRINT "BASIC"
350 CX=-42;CY=-5
360 PRINT "HAS",
370 CX=CX+6
380 FC=3 (AND COLOR 3)
390 PRINT "32",
400 CX=CX+6
410 FC=1 (BACK TO 1)
420 PRINT "COLORS!"
430 RETURN

```

250-280 ASSIGNS WHITE, RED, BLUE, & GREEN AS COLORS 0, 1, 2, 3 TO ALL 8 LINES.

BOB -

HERE IS THE DEMO PROGRAM YOU ASKED FOR TO SHOW THE CAPABILITY OF COLOR BASIC. SORRY IT TOOK SO LONG BUT I'VE BEEN OUT OF TOWN, I BOUGHT 5 OF THE SALVAGE BOARDS AND FIXED 4 BUT I NEED A DATA CHIP FOR THE LAST ONE. DO YOU HAVE THESE CHIPS?

ALSO, YOU MIGHT TRY THESE SAMPLE PROGRAMS FOR IDEAS:

①

```

10 CLEAR; PRINT "TEST"; CLINE 1,2
20 COLOR 2,7,91,0,0
30 FOR A=1 TO 200; NEXT A
40 COLOR 2,91,7,0,0
50 FOR A=1 TO 200; NEXT A
60 GOTO 20

```

②

```

5 CLEAR
10 COLOR 1,7,91,165,251; PRINT "TEST",
20 BC=2; FC=0; PRINT "YTEST",
30 BC=3; FC=0; PRINT "YTEST",
40 BC=1; FC=0; PRINT "YTEST",
50 BC=0; FC=1

```

Perry Hanson

EXAMPLE

EXAMPLES:

1,2 Clear
2 CX = ~~0~~ CY + ~~10~~ 10
25 CY ~~0~~ CY ~~30~~ 15 0
-10
-10

1

N1-8

```

10 COLOR 0 1 2 3
20 FC = 2; PRINT "COLOR",
30 FC = 3; PRINT "BASIC"; FC = 1

```

~~BADLY~~ READ
ARCADIAN - THE
ARCADIAN

COMMENTS: LINE 10 - SETS COLOR GROUP (COLOR 0-WHITE, 1-BLACK, 2-RED, 3-BLUE)
 LINE 20 - SETS FC TO COLOR #2 AND PRINTS "COLOR" IN RED
 LINE 30 - SETS FC TO COLOR #3 AND PRINTS "BASIC" IN BLUE THEN RESTORES FC TO BLACK.

bc.

2-2
3-3


EXAMPLE

```

10 CLEAR GOTO
20 FOR A = 1 TO 8
30 FOR B = 1 TO 25; PRINT "*", ; NEXT B
40 NEXT A

```

} DRAW 8 LINES OF "*"s.

line is print. 

```

50 FOR A = 1 TO 8
60 CLINE A, A
70 NEXT A

```

} assign color group 1-1
2-2
3-3
etc.

```

80 B = 14
90 FOR A = 1 TO 8
100 COLOR A, B, B, B
110 B = B + 32
120 NEXT A

```

} assign 8 ~~COLORS~~ COLORS TO each line (#1)

A B
1 14
2 46
3 78
4 110
5 142
6 174
7 206

at 1