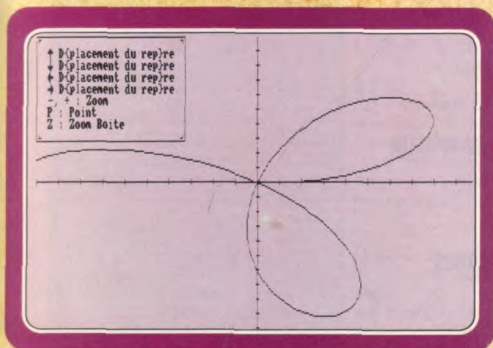


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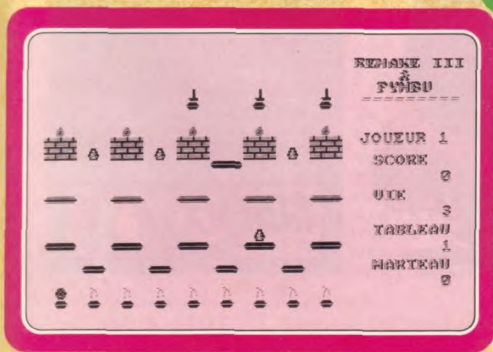
• TRACE - COURBES



• ROUTARD



• REMAKE & PYMBU 3



BIMESTRIEL
 N°51
 AVRIL 1993 -
 MAI 1993

M2604 - 51 - 30,00 F - RD



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SOKOBAM
(suite)



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**NOUVEAU
LES CPC +
PEUVENT
TELECHARGER
SUR LE
36-15
ARCADES**

voir page 7

CPC infos

La Haie de Pan-35170 BRUZ

Tél. : 99.52.98.11

Télécopie : 99.52.78.57.

Serveurs :

3615 ARCADES et 3615 MHZ

Terminal NMPP E83

Gérant,

directeur de publication

Sylvio FAUREZ

R E D A C T I O N

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G E S T I O N R E A U : N M P P

SORACOM E. COUDERT

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CPC infos est édité par les Editions SORACOM, editrice de PCCompatibles Magazine et MEGAHERTZ Magazine. RCS Rennes B 319 816 302.

AMSTRAD est une marque déposée.

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SORACOM
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PROGRAMMES AU KILO

Voici une brouettée de P.A.K. pour ce numéro 51 à consommer avec modération et n'oubliez pas que si vous souhaitez voir cette rubrique tous les deux mois, il va falloir continuer à envoyer vos P.A.K. sur papier, K7 ou disque à l'adresse suivante :

Editions SORACOM CPC INFOS - PAK

La Hale de Pan 35170 Bruz

ECRITCUB.BAS

ECRITVAG.BAS

(Cyril Le Chat)

Ces deux PAK permettent de créer des titres en couleurs. Le premier donne une écriture en cube (!) dans le mode graphique 0. Le second PAK affiche une vague colorée en mode 1. Il est bien sûr possible de changer le texte et la forme de la vague.

PRONESPO.BAS

(Evelyn et Pierre Chibleur)

Ce PAK n'en est pas un, puisqu'il occupe plus de 2 Ko. Mais comme nous sommes en 93, je laisse passer. Il s'agit de la suite du programme CARESPO (CPC Infos no 47). Le logiciel affiche un tableau dans lequel s'affiche les lettres posant un problème de prononciation en espéranto, avec exemples et traduction.

Attention, le programme CARESPO est indispensable pour le bon fonctionnement (il suffit de le lancer avant PRONESPO).

Ce programme a été prévu pour les claviers AZERTY mais il fonctionne pour les claviers QWERTY (exception faite pour le ù qui reste sous sa forme de barre).

Voici les correspondances :

AZERTY	QWERTY
é	(
è	)
à	@
ç	\
ù	≥

LOSANGE.BAS

(Aurélien Gérard)

Un nouveau programme graphique avec l'entrée de deux paramètres (je vous laisse la surprise). Vous obtiendrez au final un joli losange avec des vagues multicolores aléatoires.

DATALOGI.BAS

(Nicolas Haignere)

Datalogie est un utilitaire pour entrer des lignes de data. Il regroupe les options de Datalog, mais en 2 Ko, avec un RETURN automatique. Il contient 3 formules de calcul : avec ou sans "&", avec ou sans vérification, un RETURN automatique après l'entrée de 2 caractères. On obtient la sauvegarde du fichier par ESC (à tout moment) et celui-ci prend l'extension .GIE. Attention le RESET n'est pas bloqué, donc ne pas faire ESC+SHIFT+CTRL. Si une erreur est relevée après la somme, la ligne est effacée automatiquement. Dans le menu des options, OK permet de modifier les variables. En cas de réponse positive, on ne peut changer les paramètres qu'en relançant le programme.

SOKOBAM.DAT

(Christophe Mesplede)

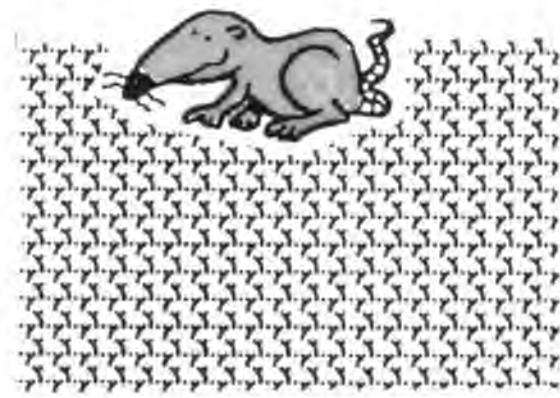
Ce programme est une version remise au goût du jour du célèbre DATALOAD, afin de pouvoir taper sans trop de problèmes les listings du jeu SOKOBAM. En effet, DATALOAD ne fonctionne qu'avec des datas de 2 chiffres, alors que ceux de SOKOBAM en comptent 4. Après

avoir tapé et lancé SOKOBAM.DAT, entrez le nom du fichier data à créer, puis le numéro de ligne à partir duquel vous souhaitez commencer. Vous pouvez alors taper vos lignes. Si l'une d'entre elles est fautive, le CPC émet un "bip" et la ligne en question est à retaper. Sinon, on passe à la suivante. Une pression sur "DEL" provoque l'effacement de la ligne en cours. La sauvegarde s'effectue par une double pression sur "ESC". Le programme vous indique alors le numéro de ligne où reprendre lors de la prochaine saisie. Attention, ce programme ne prend pas en compte les inversions de datas.

IMPRIME.CAT

(Gérard Bastly)

Un PAK bien utile pour l'impression du catalogue d'une (ou de plusieurs) disquette. Après avoir lancé le programme (GOTO 65000), il ne reste plus qu'à suivre les indications qu'il donne. Le mode d'impression ainsi que la marge gauche peuvent être modifiés à la ligne 65080. Enfin, compte tenu de sa taille, IMPRIME.CAT prend facilement place sur toutes les disquettes de travail (et même sur d'autres). Ce programme a été testé sur 664 et sur 6128 plus, il ne fonctionne pas sur 464.



ECRITCUB.BAS

```

50 MODE 0 >BG
60 a$="CPC PAK" >ZF
80 DIM c(20) >UG/
90 RESTORE 90:DATA 1,13,0,3,6,15,24,26,20,11,2,1,4,8,17 >XR

100 FOR t=0 TO 15:READ f:INK t,f:NEXT >EU
110 FOR i=20 TO 1 STEP -1:c(t)=2:NEXT:ec=i:k=70:y=300:G >JX
120 s=0:ec=0:k=34:y=356:GOSUB 160 >BC
130 RESTORE 130:DATA 4,4,5,4, 4,4,5,6, 6,5,7,6, 7,7,8,7 >PM
, 9,9,10,9:FOR t=20 TO 1 STEP -1:READ c(t):NEXT:s=0:y=3
00:ec=0:k=-32:GOSUB 160
140 s=y:ec=356:ec=2:k=32:GOSUB 160 >BE
150 GOTO 250 >YK
160 x=(639/2)-(LEN(a$)*64/2)+k:g=x:y=y+40 >JK
170 LOCATE 1,25:PEN 1:PRINT a$ >XM
180 FOR b=15 TO 1 STEP -1:FOR a=1 TO LEN(a$)*32 STEP 4 >TL
190 c=TEST(a,b) >FE
200 IF c=1 THEN PLOT x,y,c(b):PLOT x+4,y-2:PLOT x+4,y,c >ER
(b+1):PLOT x,y-2,c(b+2)
210 x=x+8:NEXT:y=y-4:x=g:IF ec=1 THEN s=s+5:x=x-s >YE
220 IF ec=0 THEN s=s+2.5:x=x+s >VE
230 IF ec=2 THEN s=s+5:x=x-s >WJ
240 NEXT:RETURN >MA
250 LOCATE 1,25:PRINT STRING$(15," ") >EW
260 LOCATE 1,15:PEN 10:PRINT " ECRITURE CUBE":PEN 7: >HK
PRINT " BY LE CHAT CYRIL ":PEN 4:PRINT " (c)199
2"

```



ECRITVAG.BAS

```

50 coef=90 >QE
60 DATA 1,1,1,2,1, 2,2,2,3,2, 3,3,2,3,3,2,3, 2,2,2,1,2, >AP
1,1,1,1
70 DIM color(26):RESTORE 60:FOR t=1 TO 26:READ color(t) >KA
:NEXT:DEG:INK 0,0:BORDER 0:INK 1,6:INK 2,15:INK 3,24:MO
DE 1
80 a$="2 ECRITURES EN VAGUE COLOREES":X=100:Y=100:LOCAT >LL
E 1,1:PEN 1:PRINT A$:CO=1
90 FOR A=398 TO 398-13 STEP -0.5:FOR B=1 TO LEN(A$)*16 >NK
STEP 2:DF=TEST(B,A):IF DF=1 THEN PLOT X,Y+COS(B)*COEF,C
OLOR(CO):PLOT X,Y+COS(B)*COEF-2
100 X=X+2:NEXT:Y=Y-4:X=100:CO=CO+1:NEXT:LOCATE 1,1:PRIN >AL
T STRING$(39," ")
110 " >RC
120 LK=0:KK=1:P=1:A$="P.A.K. BY LE CHAT CYRIL":Y=398:GO >KC
SUB 180
130 A$="PEUT ETRE UTILISE POUR VOS PAGES DE":Y=370:GOSU >KU
B 180

```

```

140 A$="PRESENTATION.MAIS AUSSI EN JOUANT AVEC":Y=350:G >PS
OSUB 180
150 A$="LE 'COEF' VOUS POUVEZ METTRE LA VAGUE EN":Y=330 >QO
:GOSUB 180
160 A$="MOUVEMENT.FACILE NON...!":Y=310:GOSUB 180 >VR
170 GOTO 310 >TJ
180 ESP=(40-LEN(A$))/2:A$=STRING$(ESP," ")A$=STRING$(E >JH
SP," ")
190 LK=0:KK=1:P=1:TAG:X=639/2-LEN(A$)*16/2:FOR A=1 TO L >CY
EN(A$):PLOT 900,900,P:MOVE X,Y:LK:PRINT MID$(A$,A,1):
200 IF KK=0 THEN LK=0:P=1 >TY
210 IF KK=1 THEN LK=-2:P=2 >UX
220 IF KK=2 THEN LK=-4:P=3 >UC
230 IF KK=3 THEN LK=-6:P=2 >UF
240 IF KK=4 THEN LK=-8:P=1 >UJ
250 IF KK=5 THEN LK=-6:P=2 >UK
260 IF KK=6 THEN LK=-4:P=3 >UL
270 IF KK=7 THEN LK=-2:P=2 >UK
280 KK=KK+1:IF KK=8 THEN KK=0 >XG
290 IF DFS=1 THEN RETURN >TB
300 X=X+16:NEXT:TAGOFF:RETURN >AE
310 " >RE
320 A$="THE CATS":X=500:Y=200:LK=0:KK=1:P=1:TAG:FOR A=1 >KP
TO LEN(A$):PLOT 900,900,P:MOVE X,Y:LK:PRINT MID$(A$,A,1
):
330 DFS=1:GOSUB 200:X=X+16:NEXT:TAGOFF >JF
340 CLEAR INPUT:CALL 68818 >VX

```

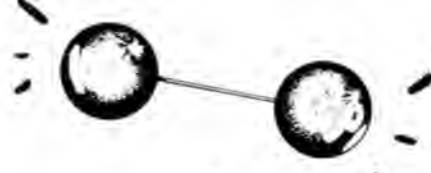


PRONESPO.BAS

```

10 MODE 2:PRINT:LOCATE 17,1:PRINT "PRONONCIATION DE LA >VZ
LANGUE UNIVERSELLE ESPERANTO":PRINT:PRINT
20 PRINT "Toutes les lettres se prononcent. Alphabet : >YB
abc(defgh)noijklmnoprs'tuv'iz"
30 PRINT "Les lettres ESPERANTO se prononcent comme en >ZD
FRANCAIS sauf :":PRINT
40 PRINT "Pour :":FOR n=1 TO 12:READ a:READ b:PRINT >ND
TAB(a):CHR$(b):NEXT:LOCATE 73,7:PRINT "FIN"
50 DATA 10,99,15,123,20,101,25,103,30,125,35,104,40,64, >MD
45,106,50,92,55,94,60,117,65,124
60 PRINT:PRINT"Tapez :":FOR n=1 TO 13:READ c:READ d:>EE
PRINT TAB(c):d$:NEXT
70 DATA 10,C,15,6,20,E,25,G,30,S,35,H,40,4,45,J,50,3,55 >TE
,2,60,U,65,1,74,F
80 PRINT:PRINT:FOR i=1 TO 80:PRINT CHR$(154):NEXT:PRIN >UX
T CHR$(149):" La lettre ' se prononce ' comme dans le m
ot '":CHR$(149):" EXEMPLE ! PRONONCER ! TRADUIRE '":CHR$(
149):FOR i=1 TO 80:PRINT CHR$(154):NEXT
90 FOR i=1 TO 7:READ E:READ F:PRINT TAB(E):CHR$(F):NEXT >AY
95 DATA 1,149,13,33,27,33,47,149,57,33,69,33,80,149 >RZ

```



```

100 a$=UPPER$(INKEY$):IF a$="C" THEN 120 ELSE IF a$="6" >AM
THEN 210 ELSE IF a$="E" THEN 310 ELSE IF a$="G" THEN 4
10 ELSE IF a$="5" THEN 510 ELSE IF a$="H" THEN 610
110 IF a$="4" THEN 710 ELSE IF a$="J" THEN 810 ELSE IF >LU
a$="2" THEN 910 ELSE IF a$="3" THEN 1010 ELSE IF a$="U"
THEN 1110 ELSE IF a$="1" THEN 1210 ELSE IF a$="F" THEN
PRINT:PRINT "A BIENTOT POUR UNE NOUVELLE LECON !!!":EN
D
115 IF A$="" OR A$<>"1" OR A$<>"2" OR A$<>"3" OR A$<>"4" >DF
" OR A$<>"5" OR A$<>"6" OR A$<>"C" OR A$<>"E" OR A$<>"G
" OR A$<>"H" OR A$<>"J" OR A$<>"U" OR A$<>"F" THEN 100
120 PRINT CHR$(149);" c ";CHR$(33);" ts >AC
";CHR$(33);" tsar ";CHR$(149);" facila
";CHR$(33);" fatsila ";CHR$(33);" FACILE ";CHR$(149
);
130 FOR i=1 TO 80:PRINT CHR$(154);:NEXT:GOTO 100 >QE
210 PRINT CHR$(149);" { ";CHR$(33);" tch >BP
";CHR$(33);" tcheque ";CHR$(149);" {apelo
";CHR$(33);" tchapello ";CHR$(33);" CHAPEAU ";CHR$(149
);:GOTO 130
310 PRINT CHR$(149);" e ";CHR$(33);" e acc. aig >WE
u ";CHR$(33);" et ";CHR$(149);" meti
";CHR$(33);" metti ";CHR$(33);" METTRE ";CHR$(149
);:GOTO 130
410 PRINT CHR$(149);" g ";CHR$(33);" gu (dur) >BE
";CHR$(33);" guenon ";CHR$(149);" gitaro
";CHR$(33);" gitaro ";CHR$(33);" GUITARE ";CHR$(149
);:GOTO 130
510 PRINT CHR$(149);" ) ";CHR$(33);" dj >UU
";CHR$(33);" Djemila ";CHR$(149);" sala
";CHR$(33);" sadja ";CHR$(33);" SAGE ";CHR$(149
);:GOTO 130
610 PRINT CHR$(149);" h ";CHR$(33);" h aspire >UA
";CHR$(33);" ? ";CHR$(149);" havi
";CHR$(33);" 'havi ";CHR$(33);" AVOIR(v) ";CHR$(149
);:GOTO 130
710 PRINT CHR$(149);" @ ";CHR$(33);" comme da >QX
ns Bach en allemand ou jota en espagnol : peu employe
";CHR$(149);:GOTO 130
810 PRINT CHR$(149);" j ";CHR$(33);" y ou ill >UG
";CHR$(33);" yeux ";CHR$(149);" jes
";CHR$(33);" yess' ";CHR$(33);" OUI ";CHR$(149
);:GOTO 130
910 PRINT CHR$(149);" ^ ";CHR$(33);" ch >TD
";CHR$(33);" chat ";CHR$(149);" ^afo
";CHR$(33);" chafo ";CHR$(33);" MOUTON ";CHR$(149
);:GOTO 130
1010 PRINT CHR$(149);" \ ";CHR$(33);" j >CU
";CHR$(33);" journal ";CHR$(149);" \urnalo
";CHR$(33);" journalo ";CHR$(33);" JOURNAL ";CHR$(14
9);:GOTO 130
1110 PRINT CHR$(149);" u ";CHR$(33);" ou >WP
";CHR$(33);" doux ";CHR$(149);" lupo
";CHR$(33);" loupo ";CHR$(33);" LOUP ";CHR$(14
9);:GOTO 130
1210 PRINT CHR$(149);" i ";CHR$(33);" ou bref >JP
";CHR$(33);" pas d'equivalent ";CHR$(149);" anka
";CHR$(33);" ann'kaou ";CHR$(33);" AUSSI ";CHR$(14
9);:GOTO 130

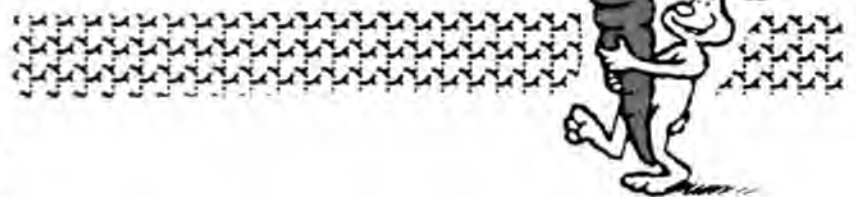
```

LOSANGE.BAS

```

10 'LOSANGE MAGIQUE >LA
20 'PAR AURELIEN GERARD >LB
30 ' >LC
40 'COPYRIGHT CEYRAT MICRO 1992 >LD
50 MODE 1 >BH
60 INPUT "TOUR DE LA FIGURE (0/N) ";T$ >GN
70 INPUT "GROSSEUR DE LA FIGURE (1/200) :";G >NY
80 MODE 0 >BK
90 INK 0,0 >FG
100 BORDER 0 >BC
110 O=1 >NK
120 FOR A=1 TO 360 >LB
130 MOVE 320,200 >AB
140 DRAW 320+G*COS(A),200+((G/10)*2)*SIN(A),0 >MA
150 DRAW 320+((G/10)*2)*COS(A),200+G*SIN(A) >JX
160 IF T$="0" THEN DRAW 320+G*COS(A),200+G*SIN(A) >QY
170 O=O+1 >EE
180 IF O=16 THEN O=1 >NB
190 NEXT >EF
200 I=INT(RND*15)+1 >NA
210 P=INT(RND*26) >ME
220 INK I,P >TF
230 IF INKEY$="" THEN 200 ELSE RUN >AX

```

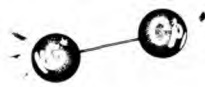


DATALOGI.BAS

```

10 MODE 2:WINDOW $1,1,80,1,1 >VP
20 PRINT "DATALOGIE par Nicolas HAIGNERE >PG
30 INPUT "NOMBRE DE DATA:";nbd:IF nbd=0 THEN 30 >QP
40 INPUT "'&' O/N:";h$:h$=UPPER$(h$):IF h$="O" THEN j$= >AN
"&"
50 INPUT "Verif O/N:";h$:h$=UPPER$(h$):IF h$="N" THEN B >BL
0
60 v=1:PRINT "1. t=t+k+65535*(t+k>32767)":PRINT "2. t=t >HK
+peek(ad)":PRINT "3. t=t+(peek(ad)*t)":INPUT "Formule 1
,2,3:";f
70 INPUT "Remise a 0 de somme O/N:";h$:h$=UPPER$(h$):IF >KB
h$="O" THEN r=0 ELSE r=1:INPUT "Derniere somme:";t2
80 INPUT "Longueur de somme:";lo:IF f<3 AND lo>4 THEN B >EH
0 ELSE IF lo=0 THEN 80
90 INPUT "Nom Fichier:";n$:IF n$="" THEN 90 >ME
100 INPUT "Increment:";ic:IF ic=0 THEN 100 >ME
110 INPUT "Ligne de depart:";L:IF L=0 THEN 110 >TL
120 INPUT "Ok O/N:";h$:h$=UPPER$(h$):IF h$<>"O" THEN 1 >ZX
0
130 CLS:OPENOUT n$+".gie":PRINT >BF
140 ON BREAK GOSUB 400 >QF
150 PRINT L;"DATA ";:k$=k$+STR$(L)+ " DATA ";s$="" >TA

```



```

160 FOR x=1 TO nb2*2
170 GOSUB 310:PRINT d$;:k$=k$+d$:d$=""
180 IF st=1 THEN st=0:GOTO 300
190 NEXT x
200 i=1
210 k$=k$+j$:PRINT j$;
220 FOR x=1 TO lo
230 GOSUB 310:PRINT c$;:k$=k$+c$
240 IF st=1 THEN st=0:GOTO 300
250 NEXT i=0
260 IF v=0 THEN c=1:GOTO 290
270 IF f<0 THEN s=VAL("&"s$) ELSE s=VAL(s$):s$="" IF
s>65535 THEN s=0:t=0:k$=""GOTO 300
280 IF s<>t+t2 THEN SOUND 1,90:PRINT#1,CHR$(24):"Bug";C
290 HR$(24):t=0:k$=""GOTO 300:ELSE c=1
290 IF c=1 THEN c=0:GOSUB 390:PRINT CHR$(13):L+I;c=k$:>TV
"":t=0:GOTO 150
300 LOCATE 1,VPOS(0):PRINT CHR$(18):LOCATE 1,VPOS(0):>HV
1:GOTO 150
310 WHILE c$>"":c$=INKEY$:WEND
320 WHILE c$=""c$=INKEY$:WEND
330 CLS#1:c$=UPPER$(c$)
340 IF INKEY(79)=0 THEN st=1:k$=""d$=""c$=""nb=1:t=0
:RETURN
350 IF ASC(c$)<47 OR ASC(c$)>58 AND ASC(c$)<65 OR ASC(c
$)>70 THEN 310
360 IF i=1 THEN s$=s$+c$:RETURN
370 IF nb=2 THEN d$=d$+c$+",";g$=g$+c$:nb=1:ON f GOSUB
410,420,430:RETURN
380 d$=j$+d$+c$:g$=c$:nb=2:RETURN
390 PRINT#9,k$;IF r=1 THEN t2=t2+t:RETURN:ELSE t=0:RETU
RN
400 CLOSEOUT:END
410 k=VAL("&"g$):t=t+k+65536*(t+k/32767):RETURN
420 t=t+VAL("&"g$):RETURN
430 t=t+VAL("&"g$)*(INT(x/2)-1):RETURN

```

IMPRIME.CAT

```

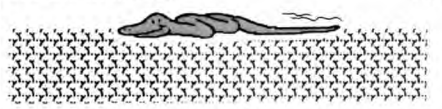
64985
64987 P.A.K. - Gerard BASTY - 1988 - Modifie Avril 91
64990
64995 END * Chargez avec MERGE *IMPRIME.CAT* et lancez
par GOTO 65000
64997
65000 GOSUB 65210
65010 CLS:CAT
65020 ligne=VPOS(0):iv$=CHR$(24):ef$=CHR$(18)
65030 LOCATE 1,22:PRINT iv$;" Titre de la disquette et
face ";iv$;
65040 LOCATE 35,22:PRINT ef$;INPUT "",nom$
65050 LOCATE 1,22:PRINT ef$
65060 LOCATE INT((78-LEN(nom$))/2),1:PRINT nom$
65070 LOCATE 55,2:PRINT iv$;" Imprimante hors ligne ";>LR
v$
65080 PRINT#8,CHR$(27);"M";CHR$(27);CHR$(108);CHR$(8)
>XZ

```

```

>NV 65090 LOCATE 55,2:PRINT ef$
>EW 65100
>XZ 65110 LOCATE 1,1
>QD 65120 FOR x=2 TO ligne-1
>ND 65130 FOR c=1 TO 39:PEEK(167C3)
>QQ 65140 PRINT#8,COPYCHR$(0):PRINT CHR$(9);
>LK 65150 NEXT
>ZL 65160 PRINT #8
>XW 65170 NEXT
>KE 65180
>VT 65190 END
>UA 65200
65210 MODE 2:BORDER 10:INK 0,13:INK 1,26
65220 WINDOW 2,79,2,24:MOVE 0,0:DRAW 0,399:DRAW 639,399
>YB
:DRAW 639,0:DRAW 0,0
65230 LOCATE 10,12:PRINT "Inserez la disquette a traite
r et appuyez sur une touche.
65240 CALL @B00:RETURN
>TL

```



SOKOBAM.DAT

```

10 ' SOKOBAM.DAT - P.A.K. - (c)1993 Christophe MESPLEDE
>LA
20 ' Version speciale de BATALDAD pour SOKOBAM
>LB
30 MODE 2:INK 0,13:INK 1,0:BORDER 0:INPUT "Fichier:",fi
>PE
c$=INPUT "No de ligne:",L
40 OPENOUT fic$:ON BREAK GOSUB 240
>CN
50 t=0:PRINT:PRINT L;"DATA ";
>YB
60 ligne$=STR$(L)+" DATA "
>VN
70 FOR j=1 TO 8
>FC
80 y=4:ch$(j)=""GOSUB 200
>UP
90 a$=LEFT$(ch$(j),2):b$=RIGHT$(ch$(j),2):a=VAL("&"a$)
>UV
:b=VAL("&"b$):t=t XOR a:t XOR b
100 PRINT " ";
>ME
110 ligne$=ligne$+ch$(j)+","
>MX
120 NEXT
>DJ
130 y=2:j=9:ch$(9)=""GOSUB 200
>YE
140 IF VAL("&"ch$(9))<t THEN PRINT CHR$(7):CHR$(13):SPA
>RC
CE$(51):CHR$(13):CHR$(11):GOTO 50
150 ligne$=ligne$+ch$(9)
>TA
160 PRINT#9,ligne$
>NJ
170 ligne$=""
>JB
180 L=L+10
>KH
190 GOTO 50
>TB
200 FOR z=1 TO y
>AG
210 k$=UPPER$(INKEY$):IF k$<>" THEN IF (ASC(k$)>64 AND >RX
ASC(k$)<71) OR (ASC(k$)>47 AND ASC(k$)<60) THEN 220 EL
SE IF k$=CHR$(127) THEN PRINT CHR$(7):GOTO 50 ELSE 210
220 ch$(j)=ch$(j)+k$:PRINT k$
>XP
230 NEXT:RETURN
>MZ
240 ' Sauvegarde
>RG
250 CLOSEOUT:CLS:PRINT "Prochaine ligne:">LD

```

LE 36-15 ARCADES EST MAINTENANT OUVERT AUX CPC PLUS !!

Après une période de répit, la chronique du téléchargement revient principalement pour annoncer aux possesseurs de 6128 + qu'une version du kit Arcades est disponible pour leur machine.

Il suffit de se rendre à la page 38 de ce numéro et d'envoyer le bon de commande accompagné d'un chèque.

- Pour pouvoir télécharger, il suffit de disposer d'un Minitel (peu importe le modèle), d'un câble et d'un logiciel de téléchargement. Ce logiciel existe maintenant en 2 versions : une pour les CPC 464 (avec lecteur de disquettes), 664 et 6128 anciens modèles et une autre pour les CPC plus (modèle blanc). Il n'y a pas de version cassette du logiciel Arcades.

- Le cordon existe également en deux versions qui ne sont pas compatibles entre elles. Il suffit de se reporter au bon de commande pour choisir son kit. Avec Arcades, vous aurez à votre disposition des centaines de programmes : jeux, éducatifs, utilitaires, graphismes et bien d'autres rubriques.

- Pour télécharger, il suffit de suivre le mode d'emploi qui est donné sur le minitel et sur la disquette. N'hésitez pas à appeler le 99 52 98 11 du Lundi au vendredi de 10 h à 12 h et de 14 h à 17 h en cas de problèmes (mais uniquement concernant le téléchargement).



QUOI DE NEUF ?

Les nouveaux programmes installés sur le serveur regroupent les disquettes des derniers numéros de CPC Infos.

Dans la catégorie des jeux, on trouve : Remake et Pymbu, 13 Colors, Stratège 3, Cyber Power, Fucki Demo, The Bug, Hal+, Skywar

I, Remake & Pymbu II, Soko Bam, Ralf 2, RFX.

La rubrique utilitaires comprend : Programmes au kilo, Modèles Numériques de terrain, Family History System, Datas compacts, Kitutil.

Et encore d'autres petites choses jamais publiées dans CPC Infos.

MINI SONDAGE

Si vous êtes un utilisateur habituel du téléchargement ou, au contraire, un débutant acharné, vous pouvez, et vous devez, m'envoyer vos suggestions, remarques et autres injures (ou encore des programmes du domaine public : démos, utilitaires, fanzines) pour me permettre d'améliorer

le 36-15 Arcades. N'oubliez pas que ce serveur est le seul en France à présenter autant de programmes diversifiés. Il serait dommage pour tous qu'il disparaisse. Alors, écrivez à :

CPC-Infos - Arcades -
La Haie de Pan
35170 Bruz

MASTERCALC CPC380 F

LE MEILLEUR TABLEUR SUR CPC !
LE TABLEUR LE PLUS RAPIDE ET LE PLUS PUISSANT SUR CPC. IL UTILISE TOUTE LA MÉMOIRE (128 KO) CAPACITÉ DE 1000 CARRÉS. JUSQU'À 200 COLONNES OU LIGNES. DONNÉES AFFICHABLES ENTÈRES OU JUSQU'À 7 DECIMALES. PERMET LA CRÉATION DE 99 FORMULES DE 15 CARACTÈRES MAXI TOTAUX ET SOUS TOTAUX DE LIGNES ET DE COLONNES. COLONNES DE 4 À 24 CARACTÈRES ET IMPRESSION SUR 80 OU 136 COLONNES. MASTERCALC PROPOSE DE NOMBREUSES AUTRES FONCTIONS DONT LA CRÉATION ET L'IMPRESSI-ON D'HISTOGRAMMES, UN EXCELLENT OUTIL PRO. POUR L'INITIATION OU CALCULS DE BROSSES, SIMULATIONS FINANCIÈRES, PRÉVISIONS, LA COMPTABILITÉ ETC.

Gagnez de l'argent ! faites comme les pros, utilisez le meilleur logiciel de création de jeux.

SPRITE ALIVE DISC349 F

SI VOUS VOULEZ RÉALISER VOS PROPRES JEUX AYANT UN ASPECT PRO.
CET **SPRITE ALIVE** OÙ, VOUS FAITES :
* BASIC SIMPLE : DETECTEUR DE COLLISIONS VRAIES.
* MOUVEMENT SOUPLE PIXEL PAR PIXEL.
* COMPATIBLE SOUTIS, JOYSTICKS CLAVIER.
* 23K DE MÉMOIRES PROGRAMMÉES.
* 64 SPRITES SUPER-CHOUETTES : MODE LABYRINTHE AUTOMATIQUE.
* COMMANDES AUTOMATIQUES DE MISSILES.
* 70 COMMANDES SUPPLÉMENTAIRES EN BASIC.
* PUISSANT, HYPER RAPIDE, FACILE À COMPILER.
* 6 PROGRAMMES DE DÉMO BASIC + 2 DE DÉMO COMPILER.

MAXAM ASSEMBLEUR-DÉSASSEMBLEUR

ASSEMBLEUR-DÉSASSEMBLEUR. SYSTÈME COMPLET DE DÉVELOPPEMENT DU Z 80.
LE NEC + ULTRA DU PROGRAMMEUR
MENU DÉROULANT. LOAD, MERGE, SAVE, PRINT, FND, REPLACE, ETC.
ROM 399 F. CASSETTE 275 F. DISC 299 F.

MASTERFILE CPC 6128.....400 F

infecte vous à la gestion professionnelle des données, créez mille et une applications utiles sur votre CPC : adresses, stock de marchandises, collections, bibliothèques, vidéothèques, photos, etc...
* **Masterfile 6128** est le seul gestionnaire de fichiers utilisant complètement la mémoire étendue du CPC 6128.
* **Masterfile 6128** permet la visualisation et l'édition de vos données de toutes les façons imaginables.
* Possibilité de lire plusieurs fichiers entiers eux.
* Ent 100% en langage machine : c'est le plus rapide pour les recherches de 10 et 25 caractères.
* **Masterfile** permet un contrôle total de la mise en page et ce jusqu'à 160 colonnes de large.
* Numérotation des pages, calculs entre champs et totaux de colonnes avec additions et soustractions.
* **Masterfile** est livré avec un manuel complet et plusieurs exemplaires directement utilisables (inventaire, facturation, commandes, collections, etc.).

KWIKFILE199 F

UN PUISSANT GESTIONNAIRE DE DONNÉES, POUR LE PRIX D'UN SIMPLE JEUX !

UNE BASE DE DONNÉES À FAIBLE PRIX POUR UNE MANIPULATION RAPIDÉE ET AÏSÉE DE FICHERS DE DONNÉES.
CARACTÉRISTIQUES : UTILISATION À 100% PAR MENU
* JUSQU'À 16 RUBRIQUES PAR ENREGISTREMENT TOTAL DES RUBRIQUES : L'ONGLET DE TOUTES LES CHAMPS DE VARIABLES - 28 CARACTÈRES PAR RUBRIQUE PLUS POSSIBLE. MANS PAS APRES JUSQU'À 2000 OCTETS PAR CHAMP - TR ALPHABÉTIQUE SUR TOUTES LES CHAMPS.
* CHAMPS RAPIDE PAR TOUCHER AU AFFICHÉ SUR L'ÉCRAN TOUTES LES ENREGISTREMENTS CONTENANT LES CHAMPS DÉFINIES. L'ÉCRAN DE TOUTES LES RUBRIQUES DANS N'IMPORTE QUEL ORDRE. REPONSE AVEC OU SANS NOD CHAMP - CALCULS DANS LES RUBRIQUES (GÉNÉRAL, POUR TENUE DE STOCK). POSSIBILITÉ DE CHANGER DE FORMULE DE CALCUL DANS TOUTE RUBRIQUE ET EN AJOUTER UN CATALOGUE DE FICHERS GÈRES PAR MENUS.

DIGITALISEUR VIDI



749 F

VIDI capte et transfère plus de 6 images/sec. directement de votre magnétoscope, caméra, télé vers votre ordinateur

- Sauvegarde sur cassette ou disque
- Travaille en MODES 0, 1 ou 2
- 16K de mémoire vive additionnelle
- Contrôleur d'images incorporé
- Compatible OCP ART STUDIO
- Livré avec câble RCA, BNC + câble PERITEL

SCANNER DART 795 F



REPRODUISEZ DES IMAGES GRÂCE AU SCANNER DART

UN OUTIL REMARQUABLE DE REPRODUCTION D'IMAGES, DOCUMENTS, DESSINS, PHOTOS, ETC.
COMPATIBLE AVEC : *DMP 2000(21403000186) AUX PAGERAMER, COPIER ET CRAWY : CPC DISK OU CASSETTE (À PRÉCISER) DESCRIPTEUR : AGRAVEMENT X1, X2 - X3 - X4 - X5 - X6 - X7 - X8 - X9 - X10 - X11 - X12 - X13 - X14 - X15 - X16 - X17 - X18 - X19 - X20 - X21 - X22 - X23 - X24 - X25 - X26 - X27 - X28 - X29 - X30 - X31 - X32 - X33 - X34 - X35 - X36 - X37 - X38 - X39 - X40 - X41 - X42 - X43 - X44 - X45 - X46 - X47 - X48 - X49 - X50 - X51 - X52 - X53 - X54 - X55 - X56 - X57 - X58 - X59 - X60 - X61 - X62 - X63 - X64 - X65 - X66 - X67 - X68 - X69 - X70 - X71 - X72 - X73 - X74 - X75 - X76 - X77 - X78 - X79 - X80 - X81 - X82 - X83 - X84 - X85 - X86 - X87 - X88 - X89 - X90 - X91 - X92 - X93 - X94 - X95 - X96 - X97 - X98 - X99 - X100 - X101 - X102 - X103 - X104 - X105 - X106 - X107 - X108 - X109 - X110 - X111 - X112 - X113 - X114 - X115 - X116 - X117 - X118 - X119 - X120 - X121 - X122 - X123 - X124 - X125 - X126 - X127 - X128 - X129 - X130 - X131 - X132 - X133 - X134 - X135 - X136 - X137 - X138 - X139 - X140 - 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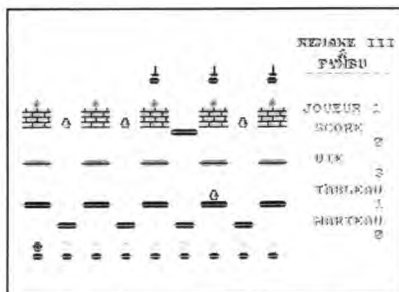
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REMAKE & PYMBU III

René BONCOURRE

Valable pour CPC 464 - 664 - 6128

Voici la réunion des caractéristiques des jeux précédents :
REMAKE & PYMBU 1 et 2 (CPC infos n°48).
Plate- formes poreuses, rétrécissantes, murs, pieux,
fruits, gâteaux, marteaux et des tableaux fous-
fous-fous qui demanderont habileté et réflexion.



REMAKE3.BAS

```
10 *****
20 'x René BONCOURRE '
30 'x
40 'x presente '
50 'x
60 'x REMAKE III '
70 'x
80 'x CPC infos sept 1992 '
90 '*****
95 ON BREAK CONT
100 ST=1:v=3:v1=3:xc=#:cx=#:m=#:ml=#:tc=#:ct=#
110 GOSUB 340:GOTO 1790
```

```
120 INK #,0:INK 1,26:INK 2,11:INK 3,6:PAPER #:PEN 1:BOR >CR
DER #
130 MODE 1:WINDOW 1,30,1,25:WINDOW#1,31,40,1,5:WINDOW#2 >WL
,31,40,6,25:PAPER#1,0:PAPER#2,0:CLS:CLS#1:CLS#2
140 ENV 1,100,3,1:ENT 1,100,2,2:ENT 1,2,17,70 >KR
150 ENV 1,15,-1,4 >DD
160 TAG:MOVE 480,392,2,1:PRINT "REMAKE III":MOVE 482,3 >EY
170 LE 94,1,1:PRINT"REMAKE III":MOVE 546,374,2,1:PRINT"&":MO
VE 548,376,1,1:PRINT"&":
170 MOVE 514,358,2,1:PRINT"PYMBU":MOVE 516,360,1,1:PRI >MB
NT"PYMBU":MOVE 490,342,3,1:PRINT"-----":MOVE 492,
170 LE 344,2,1:PRINT"-----":TAGOFF
180 GOSUB 190:GOTO 330 >QK
190 CLS#2:TAG:MOVE 490,290,1,1:PRINT"JOUEUR 1":MOVE 49 >MB
0,288,3,1:PRINT"JOUEUR 1":
200
```



```

200 MOVE 506,260,2,1:PRINT"SCORE";:MOVE 508,260,1,1:PRI >RW
NT"SCORE";:MOVE 506,212,2,1:PRINT"VIE";:MOVE 508,212,1,
1:PRINT"VIE "":MOVE 506,164,2,1:PRINT"TABLEAU";:MOVE 5
08,164,1,1:PRINT"TABLEAU";
210 MOVE 506,116,2,1:PRINT"MARTEAU";:MOVE 508,116,1,1:P >LR
RINT"MARTEAU";:TAGOFF:GOSUB 220:GOSUB 230:GOSUB 240:GOS
UB 250:GOTO 720
220 LOCATE#2,4,6:PAPER#2,0:PRINT#2," "":TAG:MOVE 5 >WV
42,238,1,1:PRINT USING"#####";sc;:MOVE 542,236,3,1:PRIN
T USING"#####";sc;:TAGOFF:RETURN
230 LOCATE#2,4,9:PAPER#2,0:PRINT#2," "":TAG:MOVE 5 >JP
74,190,1,1:PRINT USING"###";V;:MOVE 574,188,3,1:PRINT U
SING"###";V;:TAGOFF:RETURN
240 LOCATE#2,4,12:PAPER#2,0:PRINT#2," "":TAG:MOVE >PG
574,142,1,1:PRINT USING"###";TA;:MOVE 574,140,3,1:PRINT
USING"###";TA;:TAGOFF:RETURN
250 LOCATE#2,4,15:PAPER#2,0:PRINT#2," "":TAG:MOVE >GH
574,94,1,1:PRINT USING"###";m;:MOVE 574,92,3,1:PRINT US
ING"###";m;:TAGOFF:RETURN
260 CLS#2:TAG:MOVE 490,290,1,1:PRINT"JOUER 2";:MOVE 49 >MB
0,288,3,1:PRINT"JOUER 2";
270 MOVE 506,260,2,1:PRINT"SCORE";:MOVE 508,260,1,1:PRI >RD
NT"SCORE";:MOVE 506,212,2,1:PRINT"VIE";:MOVE 508,212,1,
1:PRINT"VIE "":MOVE 506,164,2,1:PRINT"TABLEAU";:MOVE 5
08,164,1,1:PRINT"TABLEAU";
280 MOVE 506,116,2,1:PRINT"MARTEAU";:MOVE 508,116,1,1:P >MF
RINT"MARTEAU";:TAGOFF:GOSUB 290:GOSUB 300:GOSUB 310:GOS
UB 320:GOTO 2160
290 LOCATE#2,4,6:PAPER#2,0:PRINT#2," "":TAG:MOVE 5 >WC
42,238,1,1:PRINT USING"#####";cs;:MOVE 542,236,3,1:PRIN
T USING"#####";cs;:TAGOFF:RETURN
300 LOCATE#2,4,9:PAPER#2,0:PRINT#2," "":TAG:MOVE 5 >NF
74,190,1,1:PRINT USING"###";V1;:MOVE 574,188,3,1:PRINT
USING"###";V1;:TAGOFF:RETURN
310 LOCATE#2,4,12:PAPER#2,0:PRINT#2," "":TAG:MOVE >PE
574,142,1,1:PRINT USING"###";at;:MOVE 574,140,3,1:PRINT
USING"###";at;:TAGOFF:RETURN
320 LOCATE#2,4,15:PAPER#2,0:PRINT#2," "":TAG:MOVE >KF
574,94,1,1:PRINT USING"###";m1;:MOVE 574,92,3,1:PRINT U
SING"###";m1;:TAGOFF:RETURN
330 GOTO 720 >ZB
340 SYMBOL AFTER 97 >NR
350 SYMBOL 97,0,7,15,31,15,7,0,0:SYMBOL 98,0,255,255,25 >ZJ
5,255,255,0,0:SYMBOL 99,0,224,240,248,240,224,0,0:SYMBOL
100,0,0,0,31,0,0,0:SYMBOL 101,0,0,0,255,0,0,0:SYM
BOL 102,0,0,0,248,0,0,0
360 ff=CHR$(97)+CHR$(98)+CHR$(99):ff1=CHR$(100)+CHR$( >RZ
101)+CHR$(102)
370 SYMBOL 103,0,0,0,1,0,0,0:SYMBOL 104,0,126,255,255 >DY
,255,126,0,0:SYMBOL 105,0,0,0,128,0,0,0:SYMBOL 107,0,
0,0,255,0,0,0
380 ss=CHR$(103)+CHR$(104)+CHR$(105):ss1=CHR$(103)+CH >WK
R$(107)+CHR$(105)
390 SYMBOL 233,126,126,126,126,126,126,126:11=CHR$ >DZ
(233):SYMBOL 237,24,60,126,126,126,126,126:12=CHR$
(237):SYMBOL 238,126,126,126,126,126,126,60,24:13=CHR$
(238)
400 SYMBOL 239,0,0,0,255,0,0,0:p4=CHR$(239) >MA
410 SYMBOL 241,239,239,239,0,255,255,0:SYMBOL 242,2 >UU

```

```

47,247,247,0,127,127,127,0:SYMBOL 243,251,251,251,0,223
,223,223,0:mu1=CHR$(241)+CHR$(242)+CHR$(243)
420 SYMBOL 244,16,16,16,255,0,0,0:SYMBOL 245,0,0,0, >TV
255,128,128,128,255:SYMBOL 246,4,4,4,255,32,32,32,255:m
u2=CHR$(244)+CHR$(245)+CHR$(246)
430 SYMBOL 247,0,0,0,0,6,102,96,0:SYMBOL 248,96,24,20,3 >DM
6,32,0,0,0:ce1=CHR$(247):ce2=CHR$(248)
440 SYMBOL 108,36,36,36,255,255,255,0,0:pie=CHR$(108)+ >YC
CHR$(108)+CHR$(108)
450 SYMBOL 249,12,12,12,12,12,12,127,63:ma=CHR$(249) >VF
460 SYMBOL 250,4,8,0,0,0,0,0:SYMBOL 251,0,0,28,60,126 >MH
,126,126,124:SYMBOL 252,0,0,0,0,8,16,0,0:po1=CHR$(250)
:po2=CHR$(251):po3=CHR$(252)
470 SYMBOL 253,60,36,102,66,199,129,66,126:SYMBOL 254,0 >HD
,24,0,60,0,102,36,0:SYMBOL 255,0,0,24,24,24,24,0,0:ga1$
=CHR$(253):ga2=CHR$(254):ga3=CHR$(255)
480 SYMBOL 124,60,90,36,219,219,36,90,60:SYMBOL 125,0,0 >BX
,24,36,36,24,0,16:SYMBOL 126,0,36,195,0,0,195,36,0:v1$=
CHR$(124):v2=CHR$(125):v3=CHR$(126)
490 SYMBOL 240,24,24,24,24,24,24,24,24:14=CHR$(240) >UL
500 SYMBOL 231,60,126,255,255,255,255,126,60:b2=CHR$(2 >BL
31)
510 SYMBOL 234,0,0,0,24,24,0,0,0:b1=CHR$(234) >MC
520 SYMBOL 122,255,255,255,255,255,255,255,255:ef=CHR$ >FP
(122)+CHR$(122)+CHR$(122)
530 SYMBOL 232,0,255,255,255,255,255,0,0:p1=CHR$(232): >RF
SYMBOL 235,0,63,127,255,127,63,0,0:p2=CHR$(235):SYMBOL
236,0,252,254,255,254,252,0,0:p3=CHR$(236)
540 re=CHR$(8):de=CHR$(10):cou1=CHR$(15)+CHR$(1):cou >CC

```

allo CPC infos



Attention, notez bien ce qui suit : tous les mercredis de 14 h. à 17 h, la rédaction se tiendra à votre disposition au 99.52.98.11 pour tous renseignements techniques. En dehors de ce créneau les réponses techniques se feront par courrier (n'oubliez pas de mentionner votre adresse et joignez un timbre pour la réponse) ou bien par Minitel sur le 3615 code :MHZ.



```

0$=CHR$(15)+CHR$(0):cou2$=CHR$(15)+CHR$(2):cou3$=CHR$(1
5)+CHR$(3)
550 ef1$=CHR$(122):tr$=CHR$(22)+CHR$(1)
560 b1$=cou0$+CHR$(122):b$=tr$+cou2$+b2$
570 b2$=cou0$+CHR$(122)
580 ps5$=tr$+cou2$+p2$+p1$+p3$+re$+re$+re$+cou1$+p4$+p4
$+p4$
590 ps1$=tr$+cou1$+p2$+p1$+p3$+re$+re$+re$+cou3$+p4$+p4
$+p4$
600 ps2$=tr$+cou1$+p2$+p1$+p3$+re$+re$+re$+cou2$+p4$+p4
$+p4$
610 vs=tr$+cou1$+v1$+re$+cou2$+v2$+re$+cou3$+v3$
620 ef$=tr$+cou0$+au1$+re$+re$+re$+cou0$+au2$
630 au$=tr$+cou3$+au1$+re$+re$+re$+cou1$+au2$
640 c$=tr$+cou3$+ce1$+re$+cou2$+ce2$
650 m$=tr$+cou1$+ma$
660 ps3$=tr$+cou1$+ff$+re$+re$+re$+cou2$+ff$
670 ps4$=tr$+cou1$+ss$+re$+re$+re$+cou2$+ss$
680 g$=tr$+cou1$+ga1$+re$+cou2$+ga2$+re$+cou3$+ga3$
690 ps$=tr$+cou3$+po1$+re$+cou2$+po2$+re$+cou1$+po3$
700 p$=tr$+cou3$+pie$
710 RETURN
720 ON tA GOTO 730,740,750,760,770,780,790,800,810,820,
830,840,850,860,870,880,890,900,910,920,930
730 RESTORE 2840:GOSUB 950:GOTO 1150
740 RESTORE 2860:GOSUB 950:GOTO 1150
750 RESTORE 2880:GOSUB 950:GOTO 1150
760 RESTORE 2900:GOSUB 950:GOTO 1150
770 RESTORE 2920:GOSUB 950:GOTO 1150
780 RESTORE 2940:GOSUB 950:GOTO 1150
790 RESTORE 2960:GOSUB 950:GOTO 1150
800 RESTORE 2980:GOSUB 950:GOTO 1150
810 RESTORE 3010:GOSUB 950:GOTO 1150
820 RESTORE 3030:GOSUB 950:GOTO 1150
830 RESTORE 3050:GOSUB 950:GOTO 1150
840 RESTORE 3070:GOSUB 950:GOTO 1150
850 RESTORE 3090:GOSUB 950:GOTO 1150
860 RESTORE 3110:GOSUB 950:GOTO 1150
870 RESTORE 3130:GOSUB 950:GOTO 1150
880 RESTORE 3150:GOSUB 950:GOTO 1150
890 RESTORE 3180:GOSUB 950:GOTO 1150
900 RESTORE 3210:GOSUB 950:GOTO 1150
910 RESTORE 3230:GOSUB 950:GOTO 1150
920 RESTORE 3270:GOSUB 950:GOTO 1150
930 RESTORE 3300:GOSUB 950:GOTO 1150
940 END
950 DIM j(10,25)
960
970 READ t,q,w
980 INK 0,0:INK 1,26:INK 2,11:INK 3,6
990 READ x,y,a
1000 IF a=6 THEN LOCATE x,y:PRINT ps2$:FOR x=x TO x+2:
(x,y)=6:NEXT x
1010 IF a=2 THEN LOCATE x,y:PRINT ps5$:FOR x=x TO x+2:
(x,y)=2:NEXT x
1020 IF a=5 THEN LOCATE x,y:PRINT b$:j(x,y)=5
1030 IF a=10 THEN LOCATE x,y:PRINT p$:FOR x=x TO x+2:
(x,y)=10:NEXT x
1040 IF a=1 THEN LOCATE x,y:PRINT v$:j(x,y)=1
1050 IF a=3 THEN LOCATE x,y:PRINT c$:j(x,y)=3
1060 IF a=7 THEN LOCATE x,y:PRINT m$:j(x,y)=7
1070 IF a=8 THEN LOCATE x,y:PRINT g$:j(x,y)=8
1080 IF a=9 THEN LOCATE x,y:PRINT p$:j(x,y)=9
1090 IF a=4 THEN LOCATE x,y:PRINT au$:FOR x=x TO x+2:
(x,y)=4:NEXT x
1100 IF a=12 THEN LOCATE x,y:PRINT ps1$:FOR x=x TO x+2:
j(x,y)=12:NEXT x
1110 IF a=16 THEN LOCATE x,y:PRINT ps4$:FOR x=x TO x+2:
j(x,y)=16:NEXT x
1120 IF a=15 THEN LOCATE x,y:PRINT ps3$:FOR x=x TO x+2:
j(x,y)=15:NEXT x
1130 IF a=-1 THEN RETURN
1140 GOTO 990
1150 BORDER 0:INK 0,0:INK 1,26:INK 2,11:INK 3,6
1160
1170
1180 w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO 60:NEXT i:LOC
ATE q,w:PRINT b$
1190 IF INKEY(1)*INKEY(75)=0 THEN q=q+3:IF q>29 THEN q=
q-1:GOSUB 1530:GOTO 1240:ELSE IF j(q,w)=4 OR j(q,w)=12
OR j(q,w)=6 OR j(q,w)=15 OR j(q,w)=16 OR j(q,w)=2 OR j
(q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760
1200 IF INKEY(8)*INKEY(74)=0 THEN q=q-3:IF q<2 THEN GOS
UB 1530:GOTO 1240:ELSE IF j(q,w)=15 OR j(q,w)=16 OR j(q
,w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j(q,w)=10
THEN q=q+3:GOSUB 1530:GOSUB 1770
1210 IF INKEY(47)*INKEY(176)=0 THEN GOTO 1390
1220 IF w=1 THEN w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO
60:NEXT i:LOCATE q,w:PRINT b$
1230
1240 w=w+1
1250 IF w=25 THEN CLS:GOTO 1730
1260 LOCATE q,w:PRINT b$:FOR i=1 TO 10:NEXT i:LOCATE q,
w:PRINT b$
1270 IF j(q,w)=7 THEN x=c+3:m=1:GOSUB 1570
1280 IF j(q,w)=1 THEN v=v+1:GOSUB 1590
1290 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 161
0
1300 IF j(q,w+1)=2 THEN GOSUB 1670:w=w+1:GOTO 1240
1310 IF j(q,w+1)=10 THEN SOUND 1,300,35,1,1,10:GOTO 16
>ZC
90
1320 IF j(q,w+1)=6 THEN GOSUB 1520:GOTO 2780
1330 IF j(q,w+1)=15 THEN GOSUB 1520:GOTO 2800
1340 IF j(q,w+1)=16 THEN GOSUB 1520:GOTO 2820
1350 IF j(q,w+1)=4 THEN GOTO 3350
1360
1370 IF j(q,w+1)=12 THEN GOSUB 1520:GOTO 1160:ELSE GOTO
1240
1380 GOTO 1240
1390
1400 LOCATE q,w:PRINT b$:FOR i=1 TO 10:NEXT i:LOCATE q,
w:PRINT b$
1410 IF INKEY(1)*INKEY(75)=0 THEN q=q+3:IF q>29 THEN q=
q-1:GOSUB 1530:GOTO 1240:ELSE IF j(q,w)=15 OR j(q,w)=16
OR j(q,w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j
(q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760:GOTO 1240
1420 IF INKEY(8)*INKEY(74)=0 THEN q=q-3:IF q<2 THEN GOS
UB 1530:GOTO 1240:ELSE IF j(q,w)=15 OR j(q,w)=16 OR j(q

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.w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j(q,w)=10
THEN q=q+3:GOSUB 1530:GOSUB 1770:GOTO 1240
1430 w=w-1:IF w<2 THEN GOSUB 1530:GOTO 1240
1440 IF INKEY(73)*INKEY(2)=0 THEN 1240
1450 IF j(q,w)=7 THEN xc=xc+3:m=m+1:GOSUB 1570
1460 IF j(q,w)=1 THEN v=v+1:GOSUB 1590
1470 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 161
0
1480 IF xc>1 AND j(q,w)=4 THEN 2760
1490 IF j(q,w)=4 OR j(q,w)=12 OR j(q,w)=6 OR j(q,w)=15
OR j(q,w)=16 OR j(q,w)=2 OR j(q,w)=10 THEN GOSUB 1530:G
OTO 1240
1500 '
1510 GOTO 1390
1520 SOUND 1,180,10,10,0:RETURN
1530 SOUND 2,478,60,15,1,1:RETURN
1540 SOUND 1,1950,25,15,15:RETURN
1550 SOUND 1,2500,15:RETURN
1560 SOUND 1,15,25,15,1,15:j(q,w)=0:RETURN
1570 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 250:RETURN
1580 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 320:RETURN
1590 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 230:RETURN
1600 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 300:RETURN
1610 SOUND 1,15,25,15,1,15:j(q,w)=0:tt=tt+1:C=C+10:SC=S
C+C:tp=tp+c:c=0:GOSUB 220:IF tt=t THEN GOSUB 1630:CLS:E
RASE j:ta=ta+1:IF ta>21 THEN GOTO 2100:ELSE tt=0:tp=0:x
c=1:m=0:GOSUB 240:GOSUB 250:GOTO 720:ELSE RETURN
1620 SOUND 1,15,25,15,1,15:j(q,w)=0:tt=tt+1:C=C+10:cs=c
s+C:tp=tp+c:c=0:GOSUB 290:IF tt=t THEN GOSUB 1630:CLS:E
RASE j:at=at+1:IF at>21 THEN GOTO 2100:ELSE tt=0:tp=0:c
x=1:m1=0:GOSUB 310:GOSUB 320:GOTO 2160:ELSE RETURN
1630 ENT 1,20,-6,1,1,120,1,20,-3,1,40,3,1:SOUND 1,119,8
1,15,,1:FOR i=1 TO 15:NEXT i:RETURN
1640 FOR i=1 TO 50:NEXT i:LOCATE q,w:PRINT b1$:RETURN E
LSE RETURN
1650 RETURN
1660 SOUND 1,3500,15,1,1,1:RETURN
1670 FOR n=250 TO 1 STEP -20:SOUND 5,n,2.5,15:NEXT:w=w+
1:RETURN
1680 FOR n=250 TO 1 STEP -20:SOUND 5,n,2.5,15:NEXT:GOTO
2480
1690 FOR n=1500 TO 50 STEP -50:SOUND 5,n,1.5,15:NEXT:FO
R i=1 TO 500:NEXT i:CLS:SC=SC-TP:tp=0:tt=0:xc=1:tc=0:ta
=ta:GOSUB 220:v=v-1:GOSUB 230:m=0:GOSUB 250:ERASE j:IF
v<1 THEN sc=0:ta=1:v=3:xc=1:m=0:GOSUB 220:GOSUB 230:GOS
UB 240:GOSUB 250
1700 IF jo=1 THEN GOTO 190:ELSE GOTO 260:ELSE GOTO 260
1710 FOR n=1500 TO 50 STEP -50:SOUND 5,n,1.5,15:NEXT:FO
R i=1 TO 500:NEXT i:CLS:cs=cs-TP:tp=0:tt=0:cx=1:ct=0:at
=at:GOSUB 290:v1=v1-1:GOSUB 300:m1=0:GOSUB 320:ERASE j
1720 IF v1<1 THEN cs=0:at=1:v1=3:cx=1:m1=0:GOSUB 290:G
OSUB 300:GOSUB 310:GOSUB 320:GOTO 190:ELSE GOTO 190
1730 FOR n=100 TO 1500 STEP 50:SOUND 5,n,1.5,15:NEXT:SC
=SC-TP:tp=0:tt=0:m=0:xc=1:tc=0:GOSUB 220:v=v-1:GOSUB 23
0:GOSUB 250:ERASE j:IF v<1 THEN sc=0:ta=1:v=3:xc=1:m=0:
tc=0:GOSUB 220:GOSUB 230:GOSUB 240:GOSUB 250
1740 IF jo=1 THEN GOTO 190:ELSE GOTO 260:ELSE GOTO 260
1750 FOR n=2500 TO 1500 STEP -50:SOUND 5,n,1.5,15:NEXT:
cs=cs-TP:tp=0:tt=0:cx=1:ct=0:m1=0:GOSUB 290:v1=v1-1:GOS
UB 300:ERASE j:IF v1<1 THEN cs=0:at=1:v1=3:cx=1:m1=0:ct
=0:GOSUB 290:GOSUB 300:GOSUB 310:GOSUB 320:GOTO 190:ELS
E GOTO 190
1760 q=q+1:LOCATE q,w:PRINT b$:FOR i=1 TO 50:NEXT i:LOC
ATE q,w:PRINT b1$:q=q-1:LOCATE q,w:PRINT b$:FOR i=1 TO
50:NEXT i:LOCATE q,w:PRINT b1$:RETURN
1770 q=q-1:LOCATE q,w:PRINT b$:FOR i=1 TO 50:NEXT i:LOC
ATE q,w:PRINT b1$:q=q+1:LOCATE q,w:PRINT b$:FOR i=1 TO
50:NEXT i:LOCATE q,w:PRINT b1$:RETURN
1780 '
1790 MODE 1:INK 0,0:INK 1,0:INK 2,0:INK 3,0:BORDER 0:PA
PER 0:PEN 1:CLS:DIM j(40,25)
1800 '
1810 x=19:y=24:LOCATE#1,x,y:PRINT#1,ps2$:FOR x=x TO x+2
:j(x,y)=12:NEXT
1820 PEN 3:LOCATE 2,2:PRINT "RENE BONCOURRE & CPC INFOS
PRESENTENT"
1830 PEN 2:LOCATE 2,4:PRINT " REMAKE III AND PYM
BU
1840 PEN 1:LOCATE 2,6:PRINT "MAINTENANT TOUTES LES EPRE
LIVES
1850 LOCATE 2,7:PRINT "SONT REUNIES DANS CHAQUE TABLEAU
X.
1860 LOCATE 2,8:PRINT "PLATES-FORMES POREUSES.PLATES-FO
RMES
1870 LOCATE 2,9:PRINT "RETRESSISSANTES.PIEUX MORTELS
1880 LOCATE 2,10:PRINT "MURS A CASSER.MARTEAUX A PRENDR
E
1890 LOCATE 2,11:PRINT "LES FRUITS A RAMASSER.UNE VIE A
1900 LOCATE 2,12:PRINT "SAISIR.ET TOUJOURS LA CHUTE
1910 LOCATE 3,13:PRINT "INCONTROLEE.BONNE CHANCE
1920 LOCATE 3,18:PEN 2:PRINT " PRET POUR L'AVENTU
RE? O/N
1930 LOCATE 3,15:PEN 3:PRINT " JOYSTICK / CLAVIE
R
1940 INK 0,0:INK 1,26:INK 2,11:INK 3,6:BORDER 0:PAPER 0
:PEN 1:q=20:w=23
1950 w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO 70:NEXT i:LOC
ATE q,w:PRINT b2$
1960 IF INKEY(34)=0 THEN GOTO 2060
1970 IF INKEY(46)=0 THEN CLS#1::GOTO 1830
1980 '
1990 IF w=w+1 THEN w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO
70:NEXT i:LOCATE q,w:PRINT b2$
2000 IF INKEY(14)=0 THEN GOTO 2070
2010 IF INKEY(13)=0 THEN GOTO 2080
2020 w=w+1:LOCATE q,w:PRINT b$:FOR i=1 TO 70:NEXT i:LOC
ATE q,w:PRINT b2$

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2030 IF j(q,w)=12 THEN GOSUB 1520:GOTO 1950 >LG 60:NEXT i::LOCATE q,w:PRINT b$
2040 GOTO 2020 >LH 2470 '
2050 END >YF 2480 w=w+1 >ND
2060 TAG:MOVE 154,100,3,1:PRINT"COMBIEN DE JOUEUR 1/2": >DG 2490 IF w=25 THEN CLS:GOTO 1750 >ZZ
:MOVE 156,102,1,1:PRINT"COMBIEN DE JOUEUR 1/2":TAGOFF: >NX
GOTO 1940 w:PRINT b$
2070 jo=t:tv=v:vc=cs:at=1:ta=1:SC=sc:V=v:C=0:TP=0: >MA 2510 IF j(q,w)=7 THEN cx=cx+3:ml=ml+1:GOSUB 1500 >BT
tt=0:xc=1:cx=1:cv=1:m=0:ml=0:ERASE J:GOTO 120 2520 IF j(q,w)=1 THEN v1=v+1:GOSUB 1600 >BX
2080 jo=t:tv=v:vc=cs:at=1:ta=1:SC=sc:V=v:C=0:TP=0: >MC 2530 IF j(q,w)=10 THEN SOUND 1,300,35,1,1,10:GOTO 17 >ZA
tt=0:xc=1:cx=1:cv=1:m=0:ml=0:ERASE J:GOTO 120 10
2090 GOTO 2070 >MH 2540 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 162 >XE
2100 CLS:TAG >JC 0
2110 MOVE 50,250,2,3:PRINT"VOUS AVEZ REUSSI BRAVO":>MOV >UF 2550 IF j(q,w)=12 THEN GOSUB 1670:w=w+1:GOTO 2400 >TR
E 50,252,1,3:PRINT"VOUS AVEZ REUSSI BRAVO": >KJ
2120 MOVE 50,200,2,3:PRINT"UNE AUTRE PARTIE ? O/N ":>MO >66 2560 IF j(q,w)=6 THEN GOSUB 1520:GOTO 2790
VE 50,202,1,3:PRINT"UNE AUTRE PARTIE ? O/N ":TAGOFF >LP
2130 IF INKEY(34)=0 THEN GOTO 2060 >AV 2580 IF j(q,w)=16 THEN GOSUB 1520:GOTO 2830 >LU
2140 IF INKEY(46)=0 THEN CLS:GOTO 1790 >EM 2590 IF j(q,w)=4 THEN GOTO 3370 >ZX
2150 GOTO 2130 >ME 2600 ' >YA
2160 ON at GOTO 2170,2180,2190,2200,2210,2220,2230,2240 >TR 2610 IF j(q,w)=12 THEN GOSUB 1520:GOTO 2410:ELSE GOTO >CV
,2250,2260,2270,2280,2290,2300,2310,2320,2330,2340,2350 2400
,2360,2370 2620 GOTO 1240 >ME
2170 RESTORE 2840:GOSUB 950:GOTO 2390 >ER 2630 ' >YD
2180 RESTORE 2860:GOSUB 950:GOTO 2390 >EV 2640 LOCATE q,w:PRINT b$:FOR i=1 TO 10:NEXT i::LOCATE q, >NC
2190 RESTORE 2880:GOSUB 950:GOTO 2390 >EY w:PRINT b$
2200 RESTORE 2900:GOSUB 950:GOTO 2390 >EG 2650 IF INKEY(1)+INKEY(75)=0 THEN q=q+3:IF q>29 THEN q= >ZB
2210 RESTORE 2920:GOSUB 950:GOTO 2390 >EK OR j(q,w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j >
2220 RESTORE 2940:GOSUB 950:GOTO 2390 >EN q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760:GOTO 2400
2230 RESTORE 2960:GOSUB 950:GOTO 2390 >EV 2660 IF INKEY(8)+INKEY(74)=0 THEN q=q-3:IF q<2 THEN GOS >FM
2240 RESTORE 2980:GOSUB 950:GOTO 2390 >EY UB 1530:GOTO 2400:ELSE IF j(q,w)=6 OR j(q,w)=15 OR j(q, >
2250 RESTORE 3010:GOSUB 950:GOTO 2390 >EE w)=16 OR j(q,w)=4 OR j(q,w)=12 OR j(q,w)=2 OR j(q,w)=10 >
2260 RESTORE 3030:GOSUB 950:GOTO 2390 >EH THEN q=q+3:GOSUB 1530:GOSUB 1770:GOTO 2400
2270 RESTORE 3050:GOSUB 950:GOTO 2390 >EL 2670 w=w-1:IF w<2 THEN GOSUB 1530:GOTO 2400 >LV
2280 RESTORE 3070:GOSUB 950:GOTO 2390 >EF 2680 IF INKEY(73)+INKEY(2)=0 THEN 2400 >ET
2290 RESTORE 3090:GOSUB 950:GOTO 2390 >EE 2690 IF j(q,w)=7 THEN cx=cx+3:ml=ml+1:GOSUB 1500 >OC
2300 RESTORE 3110:GOSUB 950:GOTO 2390 >ET 2700 IF j(q,w)=1 THEN v1=v+1:GOSUB 1590 >GF
2310 RESTORE 3130:GOSUB 950:GOTO 2390 >EH 2710 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 162 >XD
2320 RESTORE 3150:GOSUB 950:GOTO 2390 >EE 0
2330 RESTORE 3180:GOSUB 950:GOTO 2390 >EM 2720 IF cx>1 AND j(q,w)=4 THEN 2770 >AY
2340 RESTORE 3210:GOSUB 950:GOTO 2390 >EG 2730 IF j(q,w)=4 OR j(q,w)=12 OR j(q,w)=6 OR j(q,w)=15 >JF
2350 RESTORE 3230:GOSUB 950:GOTO 2390 >EK OR j(q,w)=16 OR j(q,w)=2 OR j(q,w)=10 THEN GOSUB 1530:6 >
2360 RESTORE 3270:GOSUB 950:GOTO 2390 >EQ 0TO 2400
2370 RESTORE 3300:GOSUB 950:GOTO 2390 >EK 2740 GOTO 2630 >NB
2380 END >ZB 2750 GOSUB 2600:RETURN >GD
2390 ' >YB 2760 SOUND 1,3022,30,15,1,,2:LOCATE q-1,w:PRINT eff:j(q >UP
2400 ' >XJ ,w)=0:cx=cx-1:tc=tc+1:IF tc>3 THEN m=1:GOSUB 250:tc= >
2410 w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO 60:NEXT i::LOC >MH 0:IF xc<0 THEN m=0:GOSUB 250:GOTO 1240:ELSE 1240 ELSE >
ATE q,w:PRINT b$ 1240
2420 IF INKEY(1)+INKEY(75)=0 THEN q=q+3:IF q>29 THEN q= >ZC 2770 SOUND 1,3022,30,15,1,,2:LOCATE q-1,w:PRINT eff:j(q >BQ
q-1:GOSUB 1530:GOTO 2400:ELSE IF j(q,w)=4 OR j(q,w)=12 > ,w)=0:cx=cx-1:tc=tc+1:IF tc>3 THEN ml=ml-1:GOSUB 320: >
OR j(q,w)=6 OR j(q,w)=15 OR j(q,w)=16 OR j(q,w)=2 OR j > t=0:IF cx<0 THEN ml=0:GOSUB 320:GOTO 2400:ELSE 2400 EL >
q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760:GOTO 2400 >SE 2400
2430 IF INKEY(8)+INKEY(74)=0 THEN q=q-3:IF q<2 THEN GOS >FG 2780 LOCATE q-1,w+1:PRINT eff:j(q-1,w+1)=0:LOCATE q-1,w >JF
UB 1530:GOTO 2400:ELSE IF j(q,w)=12 OR j(q,w)=4 OR j(q, > +1:PRINT ps3:x=q-1:y=w+1:FOR x=x TO x+2:j(x,y)=15:NEXT >
w)=15 OR j(q,w)=6 OR j(q,w)=16 OR j(q,w)=2 OR j(q,w)=10 > ,w=0:GOTO 1160
THEN q=q+3:GOSUB 1530:GOSUB 1770:GOTO 2400 >YD 2790 LOCATE q-1,w+1:PRINT eff:j(q-1,w+1)=0:LOCATE q-1,w >JF
2440 ' >YD +1:PRINT ps3:x=q-1:y=w+1:FOR x=x TO x+2:j(x,y)=15:NEXT >
2450 IF INKEY(47)+INKEY(76)=0 THEN GOTO 2630 >LM ,w=0:GOTO 2410
2460 IF w=w+1 THEN w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO >QM 2000 LOCATE q-1,w+1:PRINT eff:j(q-1,w+1)=0:LOCATE q-1,w >JJ

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+1:PRINT ps4$:x=q-1:y=w+1:FOR x=x TO x+2:j(x,y)=16:NEXT
:w=w:GOTO 1160
2810 LOCATE q-1,w+1:PRINT ef$:j(q-1,w+1)=0:LOCATE q-1,w
+1:PRINT ps4$:x=q-1:y=w+1:FOR x=x TO x+2:j(x,y)=16:NEXT
:w=w:GOTO 2410
2820 LOCATE q-1,w+1:PRINT ef$:x=q-1:y=w+1:FOR x=x TO x+
2:j(x,y)=0:NEXT:GOTO 1160
2830 LOCATE q-1,w+1:PRINT ef$:x=q-1:y=w+1:FOR x=x TO x+
2:j(x,y)=0:NEXT:GOTO 2410
2840 DATA 17,19,8,3,13,2,9,13,2,15,13,2,21,13,2,27,13,2
,3,9,4,3,8,4,9,9,4,9,8,4,15,9,4,15,8,4,21,9,4,21,8,4,27
,9,4,27,8,4,27,5,16,21,5,16,15,5,16,28,4,7,22,4,7,16,4,
7,28,7,9,22,7,9,22,21,3,19,21,3,16,21,3,13,21,3,10,21,3
,7,21,3,4,21,1,7,9,8,13,9,8
2850 DATA 25,9,8,22,16,8,18,10,12,16,7,9,4,7,9,10,7,9,3
,17,6,9,17,6,15,17,6,21,17,6,27,17,6,6,19,15,12,19,15,1
8,19,15,24,19,15,27,22,16,24,22,16,21,22,16,18,22,16,15
,22,16,12,22,16,9,22,16,6,22,16,3,22,16,28,21,3,25,21,3
,-1,-1,-1
2860 DATA 12,28,4,15,11,2,15,14,4,15,15,4,16,10,8,16,13
,3,15,19,15,18,21,16,3,24,16,6,22,16,3,20,16,6,18,16,3,
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23,9,4,19,9,7,21,9,4,15,9,7,17,9
2870 DATA 7,13,9,4,11,9,10,23,7,27,24,16,24,22,16,21,16
,16,28,23,1,21,18,10,27,6,12,12,13,4,12,12,4,18,13,4,18
,12,4,12,11,4,12,10,4,18,11,4,18,10,4,18,9,15,13,8,8,19
,8,8,-1,-1,-1
2880 DATA 6,25,3,12,24,15,6,13,4,6,12,4,6,9,2,9,11,4,9,
10,4,9,9,4,7,11,9,9,16,6,9,19,16,6,19,6,12,9,15,12,13,2
,13,8,8,12,16,4,13,15,9,15,22,16,10,8,9,18,24,16,18,16,
10,15,11,10,27,5,16,24,5,12
2890 DATA 27,9,2,24,9,15,27,13,16,24,13,2,24,10,10,21,2
4,16,27,24,6,28,4,7,28,12,7,25,12,3,13,12,3,7,8,1,-1,-1
,-1
2900 DATA 11,4,19,27,5,16,24,5,16,21,5,16,18,5,16,15,5,
16,12,5,16,9,5,16,6,5,16,27,8,10,24,8,2,21,8,16,18,8,16
,15,8,2,12,8,15,9,8,2,24,12,12,15,12,4,15,16,15,18,16,1
0,21,16,2,9,12,16,6,8,4,9,16,4
2910 DATA 6,12,15,6,16,2,12,20,10,9,20,15,28,4,9,25,4,9
,22,4,9,19,4,9,16,4,9,13,4,9,10,4,9,7,4,9,7,7,3,22,7,7,
10,11,7,16,11,3,10,15,3,27,24,16,21,24,16,15,24,16,9,24
,16,3,24,12,-1,-1,-1
2920 DATA 8,25,6,3,9,6,6,11,2,9,13,15,6,15,16,3,17,2,3,
21,15,9,9,2,6,23,16,9,21,2,9,17,16,15,9,4,15,8,4,15,7,4
,12,23,16,15,13,6,27,9,6,21,9,2,24,11,2,21,13,15,24,15,
16,21,17,16
2930 DATA 21,21,2,24,23,16,18,23,16,27,21,15,27,17,2,24
,7,12,7,22,7,16,6,3,12,6,4,18,6,4,15,5,4,4,20,9,28,20,9
,25,22,8,15,23,16,10,12,9,22,12,9,4,8,8,28,8,8,7,14,7,1
6,4,1,-1,-1,-1
2940 DATA 16,22,3,3,12,2,9,12,2,15,12,2,21,12,2,27,12,2
,3,15,4,9,15,4,15,15,4,27,15,4,21,15,4,3,9,4,9,9,4,15,9
,4,21,9,4,27,9,4,4,14,9,28,14,9,22,14,9,16,14,9,10,14,9
,28,8,3,22,8,3,16,8,3,25,20,8,21,6,12,7,9,8,13,9,8,18,1
2,10,18,4,10
2950 DATA 10,8,3,4,8,3,3,19,6,27,19,6,21,19,6,15,19,6,9
,19,6,6,21,16,12,21,16,18,21,16,24,21,16,9,23,16,15,23,
16,21,24,16,27,24,16,28,23,1,22,23,7,16,22,7,10,22,7,24
,24,16,7,28,8,13,20,8,19,20,8,-1,-1,-1
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2960 DATA 13,7,3,9,15,4,9,14,4,12,12,4,12,11,4,15,9,4,1
5,8,4,18,11,4,18,12,4,21,15,4,21,14,4,22,13,9,19,10,9,1
6,7,8,13,10,3,10,13,3,12,16,15,15,13,15,18,16,15,9,19,1
5,21,19,15,6,14,12,27,24,16,21,24,16,25,9,3,3,11,16,4,1
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2970 DATA 16,12,7,18,24,16,15,24,16,12,24,16,9,24,16,3,
14,12,27,14,2,3,24,16,3,21,16,15,19,2,3,18,16,6,21,2,27
,8,16,4,23,9,4,20,9,4,17,9,10,23,7,28,7,7,28,23,1,16,23
,8,19,23,8,16,18,3,24,14,2,24,10,16,-1,-1,-1
2980 DATA 20,28,21,3,6,12,6,6,2,9,6,6,12,6,6,18,6,4,21,
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18,2,3,24,2,6,24,15,9,24,10
2990 DATA 12,24,6,15,24,16,18,24,15,24,24,6,27,24,12,4,
21,9,7,23,3,16,23,3,25,23,7,27,18,4,28,17,9,24,18,4,21,
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5,3,19,9,8,10,5,8,10,13,8,7,5,9
3000 DATA -1,-1,-1
3010 DATA 9,28,12,15,7,12,12,9,6,9,11,15,12,13,2,12,16,
16,6,13,16,9,16,2,3,13,4,3,14,4,3,18,15,6,20,16,12,20,2
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,16,24,9,10,27,7,15,27,9,12,27,13,16
3020 DATA 24,16,15,21,20,16,18,22,10,24,25,16,27,23,12,
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,1,19,15,9,28,12,9,25,24,8,22,19,8,9,4,4,10,23,8,7,19,8
,7,12,9,-1,-1,-1
3030 DATA 12,7,4,3,8,2,6,13,2,6,10,15,3,13,16,3,17,2,9,
17,10,6,19,16,12,17,2,12,20,10,12,24,15,9,13,16,9,8,2,1
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6,21,8,10,24,8,15,27,8,2,21,13,4,21,24,16
3040 DATA 18,17,15,21,17,15,27,13,16,15,24,16,27,17,15,
24,20,2,4,12,7,7,18,3,16,23,3,10,12,3,16,12,3,28,12,3,1
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,8,6,6,12,-1,-1,-1
3050 DATA 6,13,4,15,11,4,15,10,4,15,9,4,15,15,6,15,18,1
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7,4,3,4,5,3,28,14,7,10,23,9
3868 DATA 25,8,9,22,23,8,-1,-1,-1
3878 DATA 10,19,14,15,18,2,15,13,4,15,17,16,28,8,9,16,1
2,7,21,13,6,21,8,4,21,7,4,22,6,1,24,11,10,27,9,16,15,7
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3888 DATA 24,16,27,24,10,27,19,16,28,18,7,27,5,4,28,
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7,8,3,4,14,3,7,23,3,22,23,3,13,23,3,18,19,6,18,22,2,-1,
-1,-1
3898 DATA 9,4,20,12,11,4,15,10,4,15,12,4,16,11,3,10,11,
15,15,16,15,12,18,15,18,14,2,13,10,9,16,9,9,12,12,4,21,
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3100 DATA 10,9,9,13,8,9,9,16,15,12,21,16,3,24,12,10,7,9
9,8,4,6,9,10,18,24,6,25,12,3,25,15,3,9,24,16,25,18,3,2
8,21,-1,-1,-1,-1
3110 DATA 10,28,7,3,5,4,6,6,4,9,7,4,12,8,4,15,9,4,18,10
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3120 DATA 7,5,7,10,6,9,4,4,9,15,6,2,3,23,15,6,21,15,9,1
9,15,12,17,16,12,21,16,15,17,2,15,21,15,15,24,16,27,24,
16,24,24,16,27,10,12,24,10,10,21,24,16,28,23,7,25,23,8,
16,5,1,22,23,7,-1,-1,-1,-1
3130 DATA 8,28,5,15,20,4,15,19,4,15,18,4,15,17,4,15,16,
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3140 DATA 9,7,2,9,12,10,12,14,15,9,10,16,18,20,15,12,17
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24,1,10,6,8,19,12,8,-1,-1,-1,-1
3150 DATA 20,16,23,27,5,16,24,5,2,21,5,16,18,5,2,15,5,1
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3160 DATA 24,21,2,21,21,16,18,21,2,15,21,4,12,21,16,9,2
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3170 DATA 21,25,15,22,24,7,12,25,15,6,25,15,3,21,16,3,1
7,4,3,13,16,3,9,4,3,5,15,4,20,3,4,12,3,4,4,1,-1,-1,-1
3180 DATA 20,4,5,15,6,2,9,8,2,21,8,2,12,10,2,18,10,2,6
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3190 DATA 12,23,16,18,23,16,24,23,16,16,9,9,25,9,8,22,7
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3200 DATA 3,11,16,19,6,3,13,6,3,3,8,16,3,19,16,27,6,16,
28,5,1,-1,-1,-1
3210 DATA 14,22,14,15,15,10,15,12,10,15,9,10,15,6,10,18
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3220 DATA 6,24,16,3,24,16,4,23,9,7,23,9,10,23,9,13,23,9
13,14,8,10,11,8,7,8,8,24,17,12,4,5,8,19,5,1,7,5,3,10,5
3,13,5,3,10,8,3,13,8,3,13,11,3,-1,-1,-1
3230 DATA 10,4,7
3240 DATA 3,10,12,6,8,2,6,12,15,6,14,10,9,10,16,
9,14,16,9,6,4,10,5,1,12,16,16,15,6,4,16,5,9,1
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3250 DATA 21,19,2,24,19,2,27,19,2,24,16,21,24,16,
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7,16,16,25,23,3,22,23,3,13,23,3,10,23,3,7,23,3,16
23,7,7,7,13,15,8,19,15,8
3260 DATA -1,-1,-1
3270 DATA 13,7,5,3,8,12,6,8,12,9,8,10,12,8,2,15,8,2,18,
8,6,21,8,4,21,7,4,21,6,4,3,12,6,6,12,6,12,12,2,15,12,16
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3280 DATA 6,24,16,9,24,16,12,24,2,15,24,10,18,24,2,21,2
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4,15,24,3,4,18,3,4,15,4,4
3290 DATA 4,7,1,24,24,16,-1,-1,-1
3300 DATA 33,19,3
3310 DATA 3,24,16,6,24,2,9,24,16,3,21,15,6,21,16,9,21,2
3,18,2,6,18,2,9,18,3,3,15,15,6,15,15,9,15,2,3,11,2,6,
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3320 DATA 24,5,15,27,8,15,24,8,2,27,11,2,24,11,16,27,15
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3330 DATA 20,20,3,25,20,3,28,14,3,25,14,3,25,10,3,28,7,
3,28,4,3,25,4,3,16,23,7,4,17,8,7,17,8,10,14,8,4,10,8,7,
7,8,10,7,8,28,17,8,25,17,8,28,10,8,25,7,8,19,7,1
3340 DATA -1,-1,-1
3350 LOCATE q,w:PRINT b:SOUND 1,300,35,1,1,10
3360 IF INKEY(76)+INKEY(47)=0 THEN CLS:GOTO 1690:ELSE 6
GOTO 3360:GOTO 3360
3370 LOCATE q,w:PRINT b:SOUND 1,300,35,1,1,10
3380 IF INKEY(76)+INKEY(47)=0 THEN CLS:GOTO 1710:ELSE 6
GOTO 3380:GOTO 3380

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ROUTARD

Michel LA ROSA

Valable pour CPC 664 - 6128

Vous allez partir en vacances sur les routes de France métropolitaine? ROUTARD va vous aider à choisir votre itinéraire, simplifier les calculs de distance sur la carte. Et pourquoi ne pas en faire profiter vos amis?

ROUTARD a retenu 80 villes en fonction de leur taille, de leur intérêt touristique, ou comme étapes possibles. Affichez votre point de départ et votre destination, et il vous proposera un trajet, avec les principales étapes, les distances entre elles et la distance totale à parcourir.

Il vous simplifie même l'affichage, en vous interrompant dès qu'il est sûr d'avoir compris le nom de la ville, ou dès qu'il est certain que vous vous êtes trompé! Et vous verrez comment il s'y prend pour les deux CHALON(S), ou pour les noms de ville commençant par SAINT.

Ceci dit, l'itinéraire qu'il trace n'est qu'une proposition: à vous de trouver, si vous le souhaitez, un trajet plus court (sans prendre l'autoroute, par exemple) ou plus sinueux. Pour cela, indiquez l'étape par laquelle vous voulez passer au lieu de la destination: une fois le trajet affiché, tapez S pour tracer la suite de votre itinéraire. C'est ça le tourisme à la carte!

Si vous êtes un peu effrayé par la masse des DATA des lignes 2710-4300, commencez par ne taper pour chaque ligne que DATA suivi de 39 virgules; vous complèterez au fur et à mesure de vos besoins. S'il lui manque des données, votre CPC vous le fera savoir!

Vous avez en effet certainement compris qu'il a besoin de 80 nombres-codes (deux lignes de 40) pour chacune des 80 villes de sa liste, répartis dans une sorte de tableau à double entrée: chaque code représente soit la distance qui

sépare votre point de départ de votre destination, soit l'étape suivante sur le trajet correspondant.

Quant à la liste impressionnante de RESTORE (lignes 1210-2000), elle permet d'accélérer le programme, en évitant d'avoir à lire l'intégralité des codes précédant celui recherché.

Si votre ville ne figure pas dans la liste, pourquoi ne pas l'y rajouter?

Il suffit qu'elle soit à plus de 31 km (impératif!) de la ville la plus proche de la liste. Voici comment vous allez procéder:

- Repérage sur la carte

Déterminez l'emplacement de la ville sur la carte: vous repérerez son abscisse et son ordonnée en vous aidant de celles des villes de la liste (lignes 2480-2670) situées sur la même verticale, et de celles situées sur la même horizontale sur une carte de France.

Complétez alors ainsi la ligne 190 de DESSFRAN.BAS: 190 NEXT I: PLOT (abscisse), (ordonnée), 3: GRAPHICS PEN 1

Vérifiez le résultat, corrigez au besoin, sauvez votre programme modifié et recréez ROUTES.SCR. Puis complétez la ligne 2670 de ROUTARD ainsi:

```
2670 DATA VANNES,68,244,
VERDUN,306,314,(nom-
ville),(abscisse),(ordon-
née),RETOUR,0,0
```

- Introduction d'une 81ème ville dans le programme lignes 170 et 310(...):FOR I=1 TO 82:(...) 80 IF D<82 THEN (...)

```
1110 ON P GOTO 1120,1130,
1140,1150,1160,1170,1180,
1190,1200
```

```
1200 ON Q GOTO 2000,2005
2005 RESTORE 4310:RETURN
2190 INPUT #2,"I ",NVS:LN=
LEN(NVS):RETURN
```

Supprimez les lignes 2200-2380 qui offrent plus de sécurité dans la saisie des noms de villes, mais qui risquent de ne pas accepter un nom nouveau.

- Pour que l'itinéraire puisse partir de votre ville, ajoutez deux lignes de DATA (4310-4320) en fin de programme, pour loger les 80 codes correspondant aux 80 villes déjà sur la liste, et ajoutez le code 0 (distance de votre ville à elle-même!) à la ligne 4320.

Comment calculer chaque code? C'est facile!

S'il n'y a pas de ville intermédiaire, notez simplement la distance entre les deux villes, augmentée de 50 (votre CPC lira tous les nombres inférieurs à 82 comme des codes renvoyant à la ville correspondante sur la liste, et les autres comme des distances après leur avoir oté 50).

Sinon, notez le numéro de code de la ville-étape la plus proche (1-80) par où passer pour commencer le trajet.

Par exemple, c'est AUCH que vous voulez rajouter. Tapez alors:

```
4310 DATA 122,1,1,1,etc...
```

En effet AGEN-AUCH=72 km, donc le code no 1=72+50=122. Ensuite c'est par AGEN qu'il faut passer pour aller à ALENCON (code no 2=1), à AMIENS (code no 3=1) et à ANGERS (code no 4=1), etc...

- Pour que l'itinéraire puisse arriver à votre ville, il faut procéder de même en fin des lignes de DATA 2720,2740, 2760,2780,etc... Toujours dans l'exemple de AUCH, rajoutez avant le nom de la ville précédé du signe ' :

```
122 (72+50) en fin de ligne 2720,
```

```
38 (code de LE MANS, 1ère étape
d'ALENCON à AUCH) en fin de 2740,
```

```
59 (code de PARIS, 1ère étape
d'AMIENS et AUCH) en fin de 2760,
etc...
```



• Enfin pour que l'itinéraire puisse passer par votre ville, assurez-vous d'abord que vous en aurez besoin, car c'est un peu plus compliqué. Sinon ne soyez pas surpris que votre CPC traverse votre ville sans s'y arrêter. Reprenons notre bonne ville d'AUCH. Faisons l'inventaire des villes reliées directement par route: AGEN déjà nommée, BORDEAUX, CAHORS, MONT DE MARSAN, PAU.

RODEZ et TOULOUSE. Le seul itinéraire traversant AUCH est la route MONT DE MARSAN-TOULOUSE. Toutes les autres routes s'arrêtent à AUCH.

Il faut donc remplacer dans les lignes 3630-3640 tous les codes 75 (TOULOUSE) par le code 81 (AUCH). De même en sens inverse, il faut remplacer dans les lignes 4190-4200 tous les codes 67 (RODEZ) par le

code 81 (AUCH). Ainsi ferez pour tous les itinéraires passant par votre ville. Après quoi, tracez votre route, en voiture, et bonnes vacances! Vous les avez bien méritées! Le premier listing DESSFRAN.BAS est destiné à créer la carte de France ROUTES.SCR. Si vous travaillez sur cassette, ROUTES.SCR devra trouver place après le listing ROUTARD.BAS.



DESSFRAN.BAS

```

10 * ***** >LA
20 * DESSIN CARTE FRANCE * >LB
30 * ***** >LC
40 * >LD
50 MODE 1:INK 0;2:INK 1,16;3:INK 2,3;4:INK 3,25;BORDER 13:P >BX
EN 2
60 SYMBOL AFTER 128;GOSUB 600 >XJ
70 FOR I=1 TO 7:LOCATE 1,22:PRINT CHR$(127+I):NEXT I >VG
80 LOCATE 16,25:PRINT CHR$(135);CHR$(136) >JU
90 FOR X=1 TO 15:FOR Y=23 TO 25:LOCATE X,Y:PRINT CHR$(2 >NQ
07):NEXT Y,X
100 FOR X=15 TO 25:FOR Y=1 TO 20:LOCATE X,Y:PRINT CHR$( >PG
207):NEXT Y,X
110 LOCATE 15,1:PRINT CHR$(137) >YV
120 RESTORE 320:FOR I=1 TO 24:FOR J=1 TO 8 >GH
130 READ X,Y:IF I=1 AND J=1 THEN PLOT X,Y,1 ELSE DRAW X >ZZ
,Y
140 NEXT J,1:READ X,Y:DRAW X,Y:MOVE 18,280:FILL 1 >TQ
150 PLOT 144,398,2:DRAW 398,398:DRAW 398,0:DRAW 0,0:DRA >FE
W 0,350
160 MOVE 400,200:FILL 1:RESTORE 570 >CE
170 FOR I=1 TO 80:READ X,Y:PLOT X,Y,3:IF I<59 THEN 190 >XN
180
180 DRAW -2,2:DRAW 4,0:DRAW 0,-4:DRAW -4,0:DRAW 0, >TP
6:DRAW 4,0:DRAW 2,-2:DRAW 0,-4:DRAW -2,-2:DRAW -4,
0:DRAW -2,2:DRAW 0,4
190 NEXT I:GRAPHICS PEN 1 >UV
200 TAG:MOVE 16,394:PRINT "ECHELLE": >EZ
210 PLOT 30,376,1:DRAW 30,370:DRAW 110,370:DRAW 110,376 >XJ
220
220 PLOT 70,376:DRAW 70,370:FOR I=50 TO 90 STEP 40:PLOT >AD
1,374:DRAW 1,370:NEXT
230 FOR I=34 TO 46 STEP 4:PLOT 1,372:NEXT >HE
240 MOVE 16,363:PRINT "0 200":TAGOFF >FK
250 PAPER 2:PEN 3:LOCATE 27,1:PRINT "ITINERAIRES " >VB
260 LOCATE 27,2:PRINT " EN FRANCE " >ED
270 PLOT 414,396,0:DRAW 414,366:DRAW 620,366 >KB
280 IF INKEY$(CHR$(13)) THEN 280 >YG
290 SAVE"ROUTES.SCR",B,C0000,00000 >CN
300 END >RG
310 ' >RE
320 DATA 224,392,198,382,198,356,190,346,178,340,162,33 >TF
6,156,332,154,328
330 DATA 154,324,164,324,164,318,154,318,150,314,122,31 >RW
8,116,318,114,328
340 DATA 116,332,114,334,104,330,96,334,96,332,100,330, >NY
100,320,106,312
350 DATA 106,290,108,286,106,284,96,284,96,290,94,288,9 >LC
4,284,90,286
360 DATA 88,284,84,288,78,288,76,282,70,282,62,298,50,2 >GE
94,48,288
370 DATA 36,292,24,290,12,284,12,278,18,278,26,282,22,2 >GB
76,26,276
380 DATA 26,272,18,272,18,274,18,270,16,272,26,272,26,2 >GT
66,14,264
390 DATA 24,260,22,252,34,258,38,252,58,244,58,236,60,2 >GW
36,58,236
400 DATA 58,244,64,242,72,244,72,238,66,238,78,238,76,2 >GM
28,82,226
410 DATA 86,230,94,230,104,220,90,226,84,222,92,216,86, >HL
208,94,200
420 DATA 94,192,106,186,118,186,112,178,112,176,118,174 >QE
,112,160,112,156
430 DATA 116,156,128,142,128,132,138,122,134,122,138,11 >RN
8,132,124,124,130
440 DATA 124,138,116,148,112,142,112,142,102,62,94,54,9 >JG
0,54,102,50
450 DATA 102,40,140,32,142,26,166,22,168,30,192,24,196, >GQ
18,198,22
460 DATA 206,206,14,214,8,224,12,228,12,228,8,236,8, >CZ
244,14
470 DATA 252,14,252,12,246,18,246,36,256,58,266,50,276, >GV
60,298,58
480 DATA 296,54,304,54,300,60,316,58,312,52,310,54,320, >GB
54,320,48
490 DATA 328,48,334,42,352,46,360,52,362,60,368,62,376, >GG
74,380,72
500 DATA 388,80,392,94,366,98,366,112,370,118,356,134,3 >NN
70,144,370,150
510 DATA 360,164,364,172,356,190,344,190,340,180,328,18 >RJ
0,336,190,336,204
520 DATA 346,222,352,222,360,234,358,238,362,242,370,24 >RM
0,376,246,374,252

```



530 DATA 374,272,382,296,390,308,366,314,364,312,346,31 >RH
2,338,326,306,328
540 DATA 290,336,290,354,288,354,280,342,270,342,270,35 >XY
8,266,362,260,362,260
550 DATA 358,254,358,252,370,246,366,244,376,240,380,23 >XH
4,374,224,382,224,392
560 ' >TB
570 DATA 170,88,154,278,218,340,136,236,156,154,112,106 >QT
,226,122,256,248
580 DATA 304,80,104,60,330,230,256,50,130,118,198,376,2 >LG
24,216,18,278
590 DATA 196,128,142,312,196,98,206,386,372,68,224,48,2 >NF
96,206,278,300
600 DATA 332,156,286,338,196,278,202,206,106,330,246,15 >QV
8,346,88,302,230
610 DATA 342,112,326,134,256,328,114,176,154,324,156,25 >RD
6,270,128,240,372
620 DATA 188,162,50,248,298,158,294,190,318,50,328,312, >NR
134,76,228,190

630 DATA 272,64,252,194,370,252,330,292,104,226,246,216 >NK
,382,76,288,76
640 DATA 136,184,206,256,218,296,136,50,174,134,244,24, >NX
160,194,28,260
650 DATA 270,314,100,262,228,94,184,322,70,284,286,146, >NT
94,288,82,228
660 DATA 378,292,338,44,196,62,174,234,272,270,302,124, >NJ
68,244,306,314
670 ' >TD
680 SYMBOL 128,0,0,2,85,170,85,170,85 >DA
690 SYMBOL 129,8,81,170,85,170,85,170,85 >FU
700 SYMBOL 130,128,64,160,85,170,85,170,85 >HG
710 SYMBOL 131,0,0,2,21,170,85,170,85 >CK
720 SYMBOL 132,0,0,0,64,168,85,170,85 >CA
730 SYMBOL 133,0,0,0,0,0,21,170,85 >AH
740 SYMBOL 134,0,0,0,0,0,85,170,85 >AW
750 SYMBOL 135,168,84,170,84,170,85,170,85 >HZ
760 SYMBOL 136,0,0,0,0,128,64,0,85 >AA
770 SYMBOL 137,170,5,42,85,170,85,170,85 >FK
780 RETURN >AA

ROUTARD.BAS

10 REM ***** >VB
20 REM * >AJ
30 REM * ITINERAIRES en FRANCE * >ZH
40 REM * >BA
50 REM ***** >VF
60 ' >LF
70 ' Michel LA ROSA, D'ecembre 1992 - tel 55 74 26 12 >LG
80 ' >LH
90 MODE 1:FOR I=0 TO 3:INK I,0:NEXT:BORDER 0:LOAD"ROUTE >JV
S.SCR"
100 INK 0,2:INK 1,16:INK 2,3:INK 3,25:BORDER 13:PAPER 1 >DD
:PEN 2
110 WINDOW #1,27,40,4,25:PAPER #1,1:PEN #1,0 >KQ





```

120 WINDOW #2,27,40,24,25:PAPER #2,3:PEN #2,2
130 '
140 ' Choix Ville Depart
150 '
160 CLS #2:LOCATE #2,2,1:PRINT #2,"VILLE DEPART":GOSUB
2190
170 N1$=UPPER$(INV$):RESTORE 2480:FOR I=1 TO 81:READ N$,
X1,Y1
180 IF LEFT$(N$,LN)=LEFT$(N1$,LN) THEN D1=1:GOTO 210
190 IF LEFT$(N$,LN)=LEFT$("RETOUR",LN) THEN SOUND 1,382
2,80:GOTO 160
200 NEXT I
210 PLOT X1,Y1,2:N1$=N$:LOCATE #1,1,1:PRINT #1,CHR$(18)
:N1$
220 CLS #2:LOCATE #2,2,1:PRINT #2,"COPY efface":PRINT
#2," ENTER valide"
230 AS=INKEY$:IF AS="" THEN 230
240 IF AS=CHR$(224) THEN PLOT X1,Y1,3:GOTO 160
250 IF AS=CHR$(13) THEN PLOT X1,Y1,1:PLOT 2,4,2:GOSUB
760:GOTO 300
260 GOTO 230
270 '
280 ' Choix Destination
290 '
300 CLS #2:LOCATE #2,2,1:PRINT #2,"DESTINATION":GOSUB 2
190
310 N2$=UPPER$(INV$):RESTORE 2480:FOR I=1 TO 81:READ N$,
X2,Y2
320 IF LEFT$(N$,LN)=LEFT$(N2$,LN) THEN D2=1:GOTO 350
330 IF LEFT$(N$,LN)=LEFT$("RETOUR",LN) THEN SOUND 1,382
2,80:GOTO 300
340 NEXT I
350 PLOT X2,Y2,2:N2$=N$:IF S=0 THEN LOCATE #1,1,3:PRINT
#1,CHR$(18):N2$
360 CLS #2:LOCATE #2,2,1:PRINT #2,"COPY efface":PRINT
#2," ENTER valide"
370 AS=INKEY$:IF AS="" THEN 370
380 IF AS=CHR$(224) THEN PLOT X2,Y2,3:GOTO 300
390 IF AS=CHR$(13) THEN 440
400 GOTO 370
410 '
420 ' Calcul et Affichage Distance
430 '
440 X=X2-Y2:PLOT 414,336,2:DRAW 414,352:DRAW 638,352:
IF S=0 THEN CLS #1
450 PAPER #1,2:PEN #1,3:LOCATE #1,1,1:PRINT #1,"DISTANC
E en Km"
460 PAPER #1,1:PEN #1,0:IF S=0 THEN LOCATE #1,1,3:PRINT
#1,CHR$(18):N1$
470 GOSUB 1100:FOR I=1 TO D2:READ D$:NEXT D:=VAL(D$):IF
D=0 THEN 2120
480 IF D<81 THEN 630 ELSE ET=D2-D=0-50
490 MOVE X1,Y1,2:GOSUB 810:DRAW X,Y:PLOT 2,4,2:GOSUB 7
60:IF W=6 THEN W=6
500 PLOT X,Y,1:GOSUB 770:IF W=0 THEN PLOT X1,Y1,1:GOSUB
770
510 PEN #1,0:LOCATE #1,1,5+W*2:PRINT #1,CHR$(18):N2$
520 PEN #1,3:LOCATE #1,11,4+W*2:PRINT #1,USING "####":D
+DC+DS
530 PLOT 416,(16-W*2)*16,2:DRAW 526,(16-W*2)*16
540 PAPER #1,2:LOCATE #1,1,7+W*2:PRINT #1," TOTAL ":
550 DT=DT+D:PAPER #1,1:PRINT #1," ":USING "####":DT:
560 RESTORE 570:FOR I=1 TO 6:READ CAN,SON:SOUND CAN,SON
NEXT
570 DATA 1,239,17,239,16,159,49,239,42,159,28,190
580 LOCATE #2,1,2:PRINT #2,<ENTER> suite"
590 IF INKEY<CHR$(13) THEN 590 ELSE 2040
600 '
610 ' Etages Intermediaires
620 '
630 ET=D:RESTORE 2480:IF W=6 THEN W=6
640 FOR I=1 TO ET:READ N$,X2,Y2:NEXT I
650 PEN #1,0:LOCATE #1,1,5+W*2:PRINT #1,CHR$(18):N$
660 MOVE X1,Y1,2:GOSUB 810:DRAW X2,Y2:IF W=0 THEN PLOT
X1,Y1,1:GOSUB 770
670 X1=X2,Y1=Y2:MOVE X1,Y1,3:GOSUB 770
680 GOSUB 1100:FOR I=1 TO ET:READ D$:NEXT D:=VAL(D$)
690 IF W=6 THEN D=D+DC:LOCATE #1,1,4+W*2:FOR I=1 TO 3:P
RINT #1,CHR$(144):NEXT
700 IF D=0 THEN 2120 ELSE LOCATE #1,11,4+W*2:PEN #1,3:P
RINT #1,USING "####":D+DS=50
710 IF ET<D2 THEN D1=ET
720 RESTORE 2480:FOR I=1 TO ET:READ N$,X2,Y2:NEXT I:IF
W=6 THEN D=D-DC
730 PLOT X1,Y1,2:GOSUB 810:DRAW X2,Y2:X1=X2,Y1=Y2:MOVE
X2,Y2,2:GOSUB 770
740 W=W+1:DT=DT+D-50:IF W=7 THEN DC=DC+D-50
750 PEN #1,2:GOTO 470
760 PLOT 2,-2:DRAW 0,-4:PLOT 2,-2:DRAW -4,0:PLOT 2,-2:
DRAW 0,4:PLOT 2,2:DRAW 4,0:RETURN
770 PLOT 2,-2:DRAW 4,0:DRAW 0,-4:DRAW -4,0:DRAW 0,4:RET
URN
780 '
790 ' Rectification Trajets
800 '
810 RESTORE 830:FOR K=1 TO 24:READ TR:IF D1=TR THEN 840
NEXT K
820 NEXT K:RETURN
830 DATA 2,3,9,11,14,16,20,21,25,26,29,34,35,37,40,44,4
5,49,56,59,66,68,69,71
840 IF (D1=2 OR D1=18) AND (ET=37 OR ET=68) THEN DRAW 1
78,328:RETURN
850 IF (D1=2 OR D1=18 OR D1=29) AND (ET=66 OR ET=69 OR
ET=71) THEN DRAW 112,282:RETURN
860 IF (D1=3 OR D1=37 OR D1=68) AND ET=14 THEN DRAW 204
350:RETURN
870 IF D1=3 AND ET=20 THEN DRAW 216,374:RETURN
880 IF D1=3 AND ET=40 THEN DRAW 234,354:RETURN
890 IF D1=9 AND (ET=21 OR ET=45) THEN DRAW 312,66:RETUR
N
900 IF (D1=11 OR D1=44) AND (ET=25 OR ET=34) THEN DRAW
306,174:RETURN
910 IF D1=14 AND (ET=3 OR ET=37 OR ET=68) THEN DRAW 204
350:RETURN
920 IF (D1=14 OR D1=20) AND (ET=26 OR ET=35) THEN DRAW
216,374:RETURN
930 IF D1=18 AND ET=29 THEN DRAW 114,316:RETURN
940 IF D1=20 AND ET=3 THEN DRAW 216,374:RETURN

```



950 IF (D1=20 OR D1=40) AND (ET=35 OR ET=59) THEN DRAW	>MU	1360 RESTORE 3010:RETURN	>UX
234,354:RETURN		1370 RESTORE 3030:RETURN	>UA
960 IF (D1=21 OR D1=45) AND ET=9 THEN DRAW 312,66:RETUR	>YW	1380 RESTORE 3050:RETURN	>UD
N		1390 RESTORE 3070:RETURN	>UG
970 IF (D1=21 OR D1=45) AND (ET=49 OR ET=56) THEN DRAW	>LG	1400 RESTORE 3090:RETURN	>UA
302,66:RETURN		1410 RESTORE 3110:RETURN	>UD
980 IF (D1=25 OR D1=34) AND (ET=11 OR ET=44) THEN DRAW	>MT	1420 RESTORE 3130:RETURN	>UX
306,174:RETURN		1430 RESTORE 3150:RETURN	>UA
990 IF D1=29 AND ET=18 THEN DRAW 114,316:RETURN	>PQ	1440 RESTORE 3170:RETURN	>UD
1000 IF (D1=26 OR D1=35) AND (ET=14 OR ET=20) THEN DRAW	>NJ	1450 RESTORE 3190:RETURN	>UG
216,374:RETURN		1460 RESTORE 3210:RETURN	>UA
1010 IF (D1=35 OR D1=59) AND (ET=20 OR ET=40) THEN DRAW	>NN	1470 RESTORE 3230:RETURN	>UD
234,354:RETURN		1480 RESTORE 3250:RETURN	>UG
1020 IF (D1=37 OR D1=68) AND (ET=2 OR ET=18) THEN DRAW	>MH	1490 RESTORE 3270:RETURN	>UX
178,320:RETURN		1500 RESTORE 3290:RETURN	>UD
1030 IF D1=40 AND ET=3 THEN DRAW 234,354:RETURN	>NW	1510 RESTORE 3310:RETURN	>UX
1040 IF (D1=49 OR D1=56) AND (ET=21 OR ET=45) THEN DRAW	>MB	1520 RESTORE 3330:RETURN	>UA
302,66:RETURN		1530 RESTORE 3350:RETURN	>UD
1050 IF (D1=66 OR D1=69 OR D1=71) AND (ET=2 OR ET=18 OR	>KW	1540 RESTORE 3370:RETURN	>UG
ET=29) THEN DRAW 112,282:RETURN		1550 RESTORE 3390:RETURN	>UX
1060 RETURN	>FA	1560 RESTORE 3410:RETURN	>UD
1070 '	>YA	1570 RESTORE 3430:RETURN	>UG
1080 ' Recherche Ville Etape	>YB	1580 RESTORE 3450:RETURN	>UX
1090 '	>YC	1590 RESTORE 3470:RETURN	>UN
1100 P=INT(D1/10)+1:Q=D1-(P-1)*10+1	>BJ	1600 RESTORE 3490:RETURN	>UG
1110 ON P GOTO 1120,1130,1140,1150,1160,1170,1180,1190,	>AW	1610 RESTORE 3510:RETURN	>UA
2000		1620 RESTORE 3530:RETURN	>UD
1120 ON Q GOTO 1200,1210,1220,1230,1240,1250,1260,1270,	>FM	1630 RESTORE 3550:RETURN	>UG
1280,1290		1640 RESTORE 3570:RETURN	>UX
1130 ON Q GOTO 1300,1310,1320,1330,1340,1350,1360,1370,	>FZ	1650 RESTORE 3590:RETURN	>UN
1380,1390		1660 RESTORE 3610:RETURN	>UG
1140 ON Q GOTO 1400,1410,1420,1430,1440,1450,1460,1470,	>GC	1670 RESTORE 3630:RETURN	>UX
1480,1490		1680 RESTORE 3650:RETURN	>UN
1150 ON Q GOTO 1500,1510,1520,1530,1540,1550,1560,1570,	>GP	1690 RESTORE 3670:RETURN	>UR
1580,1590		1700 RESTORE 3690:RETURN	>UX
1160 ON Q GOTO 1600,1610,1620,1630,1640,1650,1660,1670,	>GB	1710 RESTORE 3710:RETURN	>UD
1680,1690		1720 RESTORE 3730:RETURN	>UG
1170 ON Q GOTO 1700,1710,1720,1730,1740,1750,1760,1770,	>GN	1730 RESTORE 3750:RETURN	>UX
1780,1790		1740 RESTORE 3770:RETURN	>UN
1180 ON Q GOTO 1800,1810,1820,1830,1840,1850,1860,1870,	>GA	1750 RESTORE 3790:RETURN	>UR
1880,1890		1760 RESTORE 3810:RETURN	>UX
1190 ON Q GOTO 1900,1910,1920,1930,1940,1950,1960,1970,	>GM	1770 RESTORE 3830:RETURN	>UN
1980,1990		1780 RESTORE 3850:RETURN	>UR
1200 '	>XF	1790 RESTORE 3870:RETURN	>UV
1210 RESTORE 2710:RETURN	>UX	1800 RESTORE 3890:RETURN	>UN
1220 RESTORE 2730:RETURN	>UA	1810 RESTORE 3910:RETURN	>UG
1230 RESTORE 2750:RETURN	>UD	1820 RESTORE 3930:RETURN	>UX
1240 RESTORE 2770:RETURN	>UG	1830 RESTORE 3950:RETURN	>UN
1250 RESTORE 2790:RETURN	>UX	1840 RESTORE 3970:RETURN	>UR
1260 RESTORE 2810:RETURN	>UD	1850 RESTORE 3990:RETURN	>UV
1270 RESTORE 2830:RETURN	>UG	1860 RESTORE 4010:RETURN	>UD
1280 RESTORE 2850:RETURN	>UX	1870 RESTORE 4030:RETURN	>UG
1290 RESTORE 2870:RETURN	>UN	1880 RESTORE 4050:RETURN	>UX
1300 RESTORE 2890:RETURN	>UG	1890 RESTORE 4070:RETURN	>UN
1310 RESTORE 2910:RETURN	>UA	1900 RESTORE 4090:RETURN	>UG
1320 RESTORE 2930:RETURN	>UD	1910 RESTORE 4110:RETURN	>UA
1330 RESTORE 2950:RETURN	>UG	1920 RESTORE 4130:RETURN	>UD
1340 RESTORE 2970:RETURN	>UX	1930 RESTORE 4150:RETURN	>UG
1350 RESTORE 2990:RETURN	>UN	1940 RESTORE 4170:RETURN	>UX



```

1950 RESTORE 4190:RETURN
1960 RESTORE 4210:RETURN
1970 RESTORE 4230:RETURN
1980 RESTORE 4250:RETURN
1990 RESTORE 4270:RETURN
2000 RESTORE 4290:RETURN
2010 '
2020 ' Continuer ou Finir :
2030 '
2040 '
2040 CLS #2:PRINT #2,"(A) un Autre":PRINT #2,"(S) la Su
1te"
2050 AS=INKEY$:IF AS="" THEN 2050
2060 AS=UPPER$(AS):IF AS=CHR$(65) THEN DC=0:DS=0:GOTO 2
090
2070 IF AS=CHR$(83) THEN IF W=6 THEN DC=DC+D:GOTO 2420
ELSE 2420
2080 GOTO 2050
2090 PLOT 414,336,1:DRAW 414,352:DRAW 638,352
2100 CLS #1:PEN #1,0:DT=0:S=8:W=0:GOTO 160
2110 '
2120 SOUND 1.3822,80:LOCATE #1,14,4:W*2:PEN #1,3:PRINT
#1,"?"
2130 LOCATE #1,1,5+W*2:PEN #1,2:PRINT #1,"UN PROBLEME !
":
2140 PRINT #1,"TAPER <ENTER>":
2150 IF INKEY$<>CHR$(13) THEN 2150 ELSE RUN
2160 '
2170 ' Nom de la ville
2180 '
2190 NVS="":Z$=CHR$(143):FOR I=1 TO 3
2200 GOSUB 2370
2210 NVS=UPPER$(NVS+AS):LOCATE #2,2,2:PRINT #2,NVS+Z$:
NEXT
2220 NV1$=LEFT$(NVS,1):IF NV1$="D" OR NV1$="G" OR NV1$=
"O" OR NV1$="Q" OR NV1$="R" OR NV1$="V" THEN LN=3:PRINT
CHR$(7):RETURN
2230 IF NV$="PAU" THEN LN=3:PRINT CHR$(7):RETURN
2240 IF NV$="SAI" THEN NV$="ST ":SOUND 1.99:LOCATE #2,2,
2:PRINT #2,NVS+Z$:
2250 GOSUB 2370
2260 NV$=UPPER$(NVS+AS):LOCATE #2,2,2:PRINT #2,NVS+Z$:
2270 IF NV1$="A" OR NV1$="B" OR NV1$="L" OR NV1$="N" OR
NV1$="P" OR NV1$="S" THEN LN=4:PRINT CHR$(7):RETURN
2280 IF NV$="CAEN" OR NV$="MACO" OR NV$="METZ" OR NV$="
TOUR" THEN LN=4:PRINT CHR$(7):RETURN
2290 FOR I=1 TO 2
2300 GOSUB 2370
2310 NV$=UPPER$(NVS+AS):LOCATE #2,2,2:PRINT #2,NVS+Z$:
NEXT
2320 IF NV$<>"CHALON" THEN LN=6:PRINT CHR$(7):RETURN
2330 LOCATE #2,2,2:SOUND 1.99:PRINT #2,"CHAL. SUR ?":Z$
:
2340 GOSUB 2370
2350 IF AS="m" OR AS="M" THEN NV$="CHALONS/MARNE":LN=13
:PRINT CHR$(7):RETURN
2360 IF AS="s" OR AS="S" THEN NV$="CHALON/SAONE":LN=12:
PRINT CHR$(7):RETURN
2370 AS=INKEY$:IF AS="" THEN 2370
2380 AS=ASC$(AS):IF AS<2 OR (AS<32 AND AS<65) OR (AS>90 AND

```



9,38,151,38,68,38,38,58,59,38,59,166,38,18,38,38,58,38,
38,59,38,228,99,38,68
2740 DATA 38,66,38,38,38,59,38,38,38,38,27,59,38,58,38, >YE
38,38,215,243,38,38,38,38,66,59,200,38,196,287,38,228,3
8,59,38,38,38,27,38,66,59 ' Alençon
2750 DATA 59,68,0,68,27,27,59,59,59,27,35,59,27,179,59, >YD
68,59,68,59,201,59,59,59,35,59,242,260,59,68,59,59,59,5
9,59,176,27,230,68,59,162
2760 DATA 59,68,59,59,59,35,27,59,59,59,35,35,68,59,59, >TJ
59,27,59,186,27,59,59,27,68,35,68,59,167,68,59,68,68,35
,59,59,27,295,59,68,35 ' Amiens
2770 DATA 57,38,38,0,63,57,63,76,76,57,76,63,57,38,76,6 >RC
6,63,262,63,38,76,63,76,38,76,38,76,333,76,76,76,76,
76,38,243,38,142,76,38
2780 DATA 63,53,76,76,76,38,57,76,63,76,76,76,139,76,76 >WY
,63,202,76,38,57,63,63,183,53,38,176,63,38,66,76,66,53,
76,76,63,167,76,76,53,38 ' Angers
2790 DATA 61,63,63,63,0,13,61,28,61,13,41,61,141,63,28, >NK
57,61,63,61,63,61,61,41,28,41,28,63,260,63,41,61,41,41,

41,63,178,63,63,61,63
2800 DATA 153,57,41,41,61,41,13,41,61,41,41,41,57,41,61 >TK
,61,152,63,63,13,136,61,160,57,28,57,61,63,57,41,57,57,
41,61,61,63,28,41,57,28 ' Angoulême
2810 DATA 13,13,13,13,13,0,13,13,13,224,13,13,115,13,13 >KG
,13,13,13,13,13,13,13,13,13,13,13,13,13,13,13,13,
13,13,13,13,13,13
2820 DATA 13,13,13,13,13,13,171,13,13,13,13,13,13,13,13 >KT
,13,13,13,13,47,13,13,13,13,13,13,13,13,13,13,13,13,
13,13,13,13,13,13 ' Arcachon
2830 DATA 19,41,41,41,17,17,0,30,398,19,30,67,17,41,48, >NR
41,159,41,141,41,9,67,30,30,39,30,41,41,41,214,9,30,39,
39,41,17,41,41,218,41
2840 DATA 219,41,39,30,9,30,19,261,67,30,30,30,41,30,9, >LY
374,41,41,41,19,17,67,41,41,30,41,139,41,41,39,41,41,30
,9,19,41,30,39,41,30 ' Aurillac
2850 DATA 15,58,59,58,15,15,54,0,23,15,32,54,15,59,196, >RJ
58,15,27,15,59,23,54,225,77,23,77,262,15,27,54,23,203,2
3,23,77,15,59,58,54,59
2860 DATA 15,58,23,23,23,77,15,54,23,54,389,77,58,162,2 >VZ
3,23,15,206,216,15,15,54,15,58,77,58,54,59,58,23,58,58,
77,23,15,58,131,23,58,77 ' Auxerre
2870 DATA 56,78,78,78,56,56,398,78,0,56,78,56,56,78,78, >VG
78,56,78,56,78,283,56,78,78,18,78,78,78,78,195,78,28
6,78,78,56,78,78,263,78
2880 DATA 56,78,78,78,146,78,56,78,56,78,78,78,78,78,21 >RP
,94,56,78,78,56,56,56,56,78,78,78,56,78,78,78,78,78,
45,56,78,78,179,78,78 ' Avignon
2890 DATA 47,13,13,13,13,224,47,13,60,0,47,60,234,13,13 >LD
,13,47,13,47,13,60,60,47,13,47,13,13,13,13,47,60,13,47,
47,13,13,13,13,47,13
2900 DATA 13,13,47,47,60,13,148,13,60,13,47,13,13,13,60 >NJ
,60,13,13,13,156,13,60,13,13,13,13,47,13,13,47,13,13,47
,60,60,13,13,47,13,13 ' Bayonne
2910 DATA 23,32,24,54,23,23,23,32,43,23,0,43,23,24,54,3 >RD
2,23,32,23,24,43,43,178,322,295,60,32,54,32,23,34,172,3
4,332,24,54,32,32,43,24
2920 DATA 23,54,256,216,43,52,23,23,43,23,181,237,54,30 >YP
7,43,43,54,32,32,23,23,43,54,54,24,32,43,32,32,43,32,54





51,43,23,54,272,43,54,356 ' Besançon
2930 DATA 22,67,30,67,67,22,67,30,49,22,49,0,22,30,30,6 >PC
7,67,67,22,30,49,142,49,49,49,49,30,30,67,424,49,49,49,
49,49,22,30,67,364,30
2940 DATA 67,67,49,49,49,22,30,114,30,49,49,67,30,49 >RV
.49,22,30,30,22,67,144,67,67,49,67,246,30,67,49,67,67,4
9,49,22,67,49,49,67,49 ' Bliers
2950 DATA 184,57,57,57,141,115,61,5,1,234,5,1,0,57,5,36 >VF
.61,57,243,57,1,1,5,5,61,5,57,5,57,61,1,5,61,61,57,207,
57,57,61,57
2960 DATA 5,36,61,61,1,5,178,5,1,5,5,36,5,1,1,208,57 >JR
57,47,171,1,57,36,57,36,19,57,36,61,36,36,5,1,1,57,5,61
36,5 ' Bordeaux
2970 DATA 58,68,179,68,68,68,59,59,59,68,35,59,68,0,59 >VZ
68,59,68,59,84,59,59,59,35,59,319,68,59,68,59,59,59,59,
59,291,68,292,68,59,159
2980 DATA 68,68,59,59,59,26,68,59,59,59,35,35,68,59,59 >QA
59,68,59,295,68,59,59,68,68,35,68,59,208,68,59,68,68,26
59,59,68,35,59,68,26 ' Boulogne
2990 DATA 76,58,76,28,28,28,48,196,50,28,54,48,28,58,0 >JF
76,28,76,28,58,50,28,54,8,58,8,58,117,76,48,50,296,58,5
0,8,28,58,76,48,58
3000 DATA 28,76,50,50,50,8,28,150,48,150,54,8,76,118,50 >KM
48,28,156,58,28,28,48,28,76,8,76,48,58,76,50,76,76,54,
50,28,200,8,50,76,8 ' Bourges
3010 DATA 64,69,69,69,64,64,64,64,69,64,64,69,69,69 >KM
0,64,69,64,69,69,64,69,69,69,69,69,69,69,69,69,69,69,
69,64,69,69,69,69
3020 DATA 64,64,69,69,64,64,64,64,69,64,69,69,69,64,69,69 >QZ
64,64,69,69,64,64,64,64,122,69,69,64,69,196,69,69,64,69
64,64,69,69,69,64,69 ' Brest
3030 DATA 212,41,41,41,61,61,159,41,67,1,30,67,61,41,41 >LF
41,0,41,151,41,67,19,30,41,30,41,41,41,41,227,67,30,30
30,41,61,41,41,7,41
3040 DATA 148,41,30,30,67,30,1,41,67,30,30,30,41,30,67 >LX
67,41,41,41,1,123,19,41,41,41,41,207,41,41,30,41,41,30,
67,19,41,41,30,41,41 ' Brive
3050 DATA 2,151,68,262,2,2,2,2,2,2,2,2,2,68,2,69,2,0 >BP
2,68,2,2,2,68,2,68,240,2,170,2,2,2,2,2,2,2,68,4,156,2,2,6
8
3060 DATA 2,66,2,2,2,68,2,2,2,2,2,68,68,324,2,2,2,2,2,2,6 >EF
8,2,2,2,2,66,68,224,2,168,275,2,209,66,68,2,2,2,68,2,66
68 ' Caen
3070 DATA 138,17,17,17,61,13,141,17,67,1,17,75,243,17,1 >FJ
7,17,151,17,0,17,67,75,17,17,17,17,17,17,17,67,17,7,7
17,61,17,17,7,17
3080 DATA 17,17,17,67,17,1,17,67,17,17,17,17,17,67,67 >FH
61,17,17,1,175,75,17,17,17,17,165,17,17,17,17,17,17,67,
162,17,17,17,17 ' Cahors
3090 DATA 59,14,201,14,14,14,59,59,59,14,35,59,14,84,59 >RJ
14,59,14,59,0,59,59,59,35,59,59,11,14,59,14,59,59,35,59,
59,272,14,14,14,59,154
3100 DATA 59,14,59,59,59,26,14,59,59,59,35,35,14,59,59 >MF
59,14,59,338,14,59,59,14,14,35,14,59,14,14,59,14,14,26,
59,59,14,35,59,14,26 ' Calais
3110 DATA 49,9,9,9,49,9,9,283,49,9,49,9,9,9,9,9,9 >UA
49,9,9,9,49,9,9,31,9,9,9,9,182,9,31,31,9,9,9,9,9,9 >Y
3120 DATA 49,9,9,74,9,49,9,351,9,49,9,351,9,49,9,82,310,49 >CD
9,9,49,49,49,49,9,9,49,9,9,9,9,49,9,179,49,9,9,9,49,

9 ' Cannes
3130 DATA 75,75,75,75,75,75,67,67,12,75,12,142,75,75,75 >XT
75,75,75,75,75,12,0,12,67,12,67,75,75,75,67,12,12,12,1
2,75,75,75,75,12,75
3140 DATA 75,75,12,12,12,12,75,67,12,67,12,12,75,67,12 >RE
12,75,75,75,75,75,170,75,75,67,75,236,75,75,12,75,12
12,142,75,67,12,75,67 ' Carcassonne
3150 DATA 30,8,8,54,50,50,30,225,44,30,178,44,50,8,54,5 >AX
4,30,8,30,8,44,44,0,32,44,32,8,54,8,257,44,115,44,44,32
54,8,54,44,32
3160 DATA 50,54,44,115,44,32,30,50,44,184,11,32,54,219, >JZ
44,44,54,8,8,30,30,44,54,54,32,54,30,8,54,44,54,11,4
4,30,54,32,44,54,32 ' Chalon/Saone
3170 DATA 77,65,65,65,77,77,77,77,77,322,77,77,65,77 >NP
65,77,65,77,65,77,77,77,77,152,65,77,65,77,77,77,
77,65,65,65,65,77,65
3180 DATA 77,65,77,77,77,77,77,77,77,77,52,211,65,77,77 >VV
77,58,318,65,77,77,77,58,65,94,65,77,65,65,77,65,65,80
77,77,58,127,77,65,137 ' Châlons/Seine
3190 DATA 43,43,44,43,43,43,43,44,34,43,295,34,43,44,43 >XR
43,43,43,43,44,34,34,44,44,0,44,43,43,43,43,44,34,9
7,44,43,44,43,44,43
3200 DATA 43,43,143,190,34,44,43,43,34,43,11,44,43,43,3 >NX
4,34,43,43,44,43,43,34,43,43,44,43,43,44,43,43,43,11
34,43,43,44,34,43,44 ' Chambéry
3210 DATA 24,65,242,65,24,24,24,24,24,24,24,24,24,319,2 >VH
4,65,24,65,24,311,24,24,152,24,0,65,24,65,24,24,24,2
4,24,147,65,65,65,24,235
3220 DATA 24,65,24,24,24,210,24,24,24,24,46,65,65,24 >QX
24,65,65,65,24,24,24,65,65,133,65,24,65,65,24,65,65,65
24,24,65,24,24,65,152 ' Charleville
3230 DATA 58,166,260,38,76,76,58,262,58,76,8,58,76,68,5 >LE
8,38,58,240,58,68,58,58,8,59,58,59,0,58,18,58,58,8,58,5
8,59,76,68,157,58,3
3240 DATA 58,38,58,58,58,59,76,58,58,58,77,59,38,58,58 >VW
58,76,123,138,76,58,58,76,38,58,38,58,179,38,58,2,38,59
58,58,183,270,58,38,59 ' Chartres
3250 DATA 41,76,58,76,260,5,41,15,48,5,15,48,5,58,117,7 >GP
6,41,76,41,58,48,41,15,15,48,15,58,0,76,48,48,15,48,48,
58,63,58,76,48,58
3260 DATA 176,76,48,15,48,15,41,148,48,15,15,15,76,15,4 >VE
8,48,63,188,58,41,41,41,170,76,15,76,41,58,76,48,76,76,
15,48,41,161,15,48,76,15 ' Chateauroux
3270 DATA 4,18,18,333,4,4,18,18,4,18,4,4,18,18,69,4,1 >TV
70,4,18,18,4,18,18,18,18,18,0,18,18,18,18,18,66,1
8,18,18,18
3280 DATA 4,66,18,18,18,18,4,18,18,18,18,18,66,18,18 >ZH
4,18,18,4,4,4,4,66,18,264,4,18,308,18,249,66,18,18,4,1
8,18,18,66,18 ' Cherbourg
3290 DATA 17,48,48,48,41,17,214,50,70,17,23,424,17,48,4 >TU
8,48,227,48,17,48,70,67,257,50,70,58,48,48,48,0,70,50,7
0,70,50,41,48,48,180,48
3300 DATA 228,41,70,249,70,50,17,141,41,146,23,50,41,5 >AU
0,70,396,41,48,48,17,17,12,41,41,50,48,282,48,48,196,48
41,23,70,17,48,50,70,41,50 ' Clermont-Fd
3310 DATA 9,33,33,33,9,9,9,33,195,9,33,9,9,33,33,9,9 >TJ
3,9,33,182,9,33,33,33,33,33,33,70,0,33,137,33,33,9,3
3,33,70,33
3320 DATA 78,33,33,33,190,33,9,33,9,33,33,33,33,191, >CK



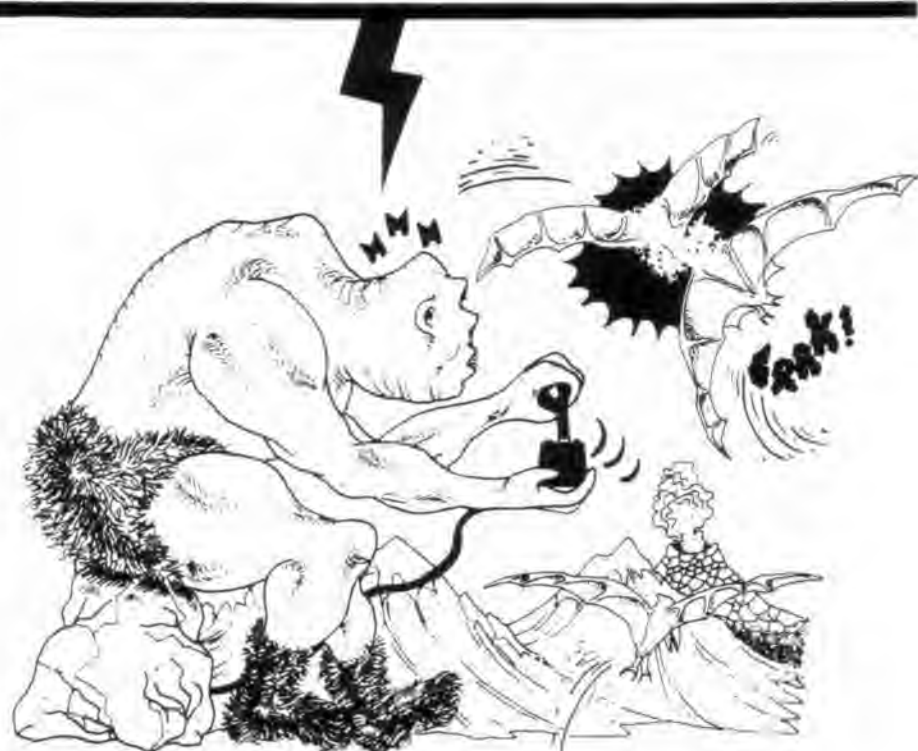
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8, 50, 8, 50, 77, 23, 23, 115, 77, 23, 77, 8, 15, 8, 50, 23, 0, 23, 23, 77
, 15, 8, 8, 23, 77
3340 DATA 50, 15, 23, 23, 23, 52, 50, 50, 23, 235, 11, 246, 15, 239, >GX
23, 23, 15, 8, 8, 50, 50, 23, 15, 15, 77, 8, 50, 8, 8, 23, 8, 15, 11, 23, 5
0, 15, 202, 23, 15, 307 ' Dijon
3350 DATA 78, 34, 34, 34, 34, 34, 78, 34, 236, 78, 34, 9, 34, 34, 34, >KN
34, 34, 34, 78, 34, 31, 9, 34, 34, 34, 34, 34, 34, 34, 137, 34, 0, 15
3, 34, 34, 34, 34, 78, 34
3360 DATA 34, 34, 34, 34, 31, 34, 78, 34, 9, 34, 34, 34, 34, 34, 31, 9, >AB
, 34, 34, 34, 9, 34, 9, 34, 34, 34, 34, 9, 34, 34, 34, 34, 34, 31, 9, 3
4, 34, 210, 34, 34 ' Gap
3370 DATA 78, 43, 43, 43, 70, 70, 78, 43, 78, 78, 332, 78, 70, 43, 43 >MR
, 43, 70, 43, 78, 43, 33, 78, 43, 43, 97, 43, 43, 43, 43, 70, 33, 43, 153
, 0, 43, 43, 43, 43, 78, 43
3380 DATA 70, 43, 154, 43, 78, 43, 78, 43, 78, 43, 11, 43, 43, 43, 33 >RM
, 78, 43, 43, 43, 78, 70, 78, 43, 43, 43, 43, 78, 43, 43, 189, 43, 43, 11
, 78, 78, 43, 43, 147, 43, 43 ' Grenoble
3390 DATA 59, 59, 176, 59, 59, 59, 59, 65, 65, 59, 65, 65, 59, 291, 6 >VZ
5, 59, 59, 68, 59, 272, 65, 59, 65, 65, 65, 147, 59, 59, 68, 65, 65, 65,
65, 65, 0, 59, 68, 59, 65, 207
3400 DATA 59, 59, 65, 65, 65, 65, 59, 65, 65, 65, 65, 59, 65, 65, >TH
65, 59, 59, 186, 59, 59, 65, 59, 59, 100, 59, 59, 274, 59, 65, 59, 59, 6
5, 65, 59, 59, 65, 65, 59, 65 ' Laon
3410 DATA 13, 4, 57, 243, 178, 13, 5, 57, 5, 13, 57, 13, 207, 4, 57, 5 >MV
3, 5, 4, 5, 4, 5, 13, 57, 57, 57, 57, 57, 57, 53, 5, 5, 57, 57, 57, 0, 4
, 4, 5, 57
3420 DATA 5, 53, 57, 57, 5, 57, 13, 57, 5, 57, 57, 57, 195, 57, 5, 5, 1 >TW
11, 57, 57, 13, 5, 13, 57, 53, 57, 53, 5, 4, 53, 5, 53, 53, 57, 5, 13, 57,
57, 5, 53, 57 ' La Rochelle
3430 DATA 2, 228, 230, 2, 2, 2, 68, 68, 68, 2, 68, 68, 2, 292, 68, 18, >ZA
68, 156, 68, 14, 68, 68, 68, 68, 68, 68, 68, 18, 68, 68, 68, 68, 68,
68, 2, 0, 2, 68, 3
3440 DATA 68, 18, 68, 68, 68, 68, 2, 68, 68, 68, 68, 68, 2, 68, 68, 68 >ZF
, 2, 68, 68, 2, 2, 68, 2, 18, 68, 18, 68, 132, 18, 68, 18, 18, 68, 68, 68,
2, 68, 68, 18, 68 ' Le Havre
3450 DATA 57, 99, 2, 142, 76, 57, 76, 58, 76, 57, 58, 76, 57, 2, 76, 6 >XF
6, 76, 2, 76, 2, 76, 76, 76, 27, 76, 27, 157, 76, 2, 76, 76, 58, 76, 76, 2
7, 4, 2, 0, 76, 2
3460 DATA 76, 66, 76, 76, 76, 27, 57, 76, 76, 76, 58, 27, 4, 76, 76, 7 >QW
6, 261, 188, 27, 57, 76, 76, 76, 66, 27, 194, 76, 2, 66, 76, 243, 4, 27,
76, 76, 130, 58, 76, 66, 27 ' Le Mans
3470 DATA 7, 30, 30, 30, 7, 7, 218, 30, 263, 7, 70, 364, 7, 30, 30, 30 >YV
, 7, 30, 7, 30, 9, 12, 70, 70, 70, 70, 30, 30, 30, 180, 78, 70, 78, 78, 70
, 7, 30, 30, 0, 30
3480 DATA 30, 30, 70, 70, 9, 70, 7, 30, 252, 30, 70, 70, 30, 30, 9, 23 >JN
5, 30, 30, 30, 67, 7, 12, 30, 30, 70, 30, 256, 30, 30, 127, 30, 30, 70, 9
, 67, 30, 70, 158, 30, 70 ' Le Puy
3490 DATA 59, 3, 162, 3, 59, 59, 59, 59, 35, 59, 35, 59, 59, 159, 59, >CD
3, 59, 3, 59, 154, 35, 59, 35, 35, 35, 235, 3, 59, 3, 59, 35, 35, 35, 35,
207, 59, 3, 3, 59, 0
3500 DATA 59, 3, 35, 35, 35, 26, 59, 59, 59, 59, 26, 26, 3, 59, 35, 35 >VB
, 59, 59, 277, 59, 59, 59, 59, 3, 35, 3, 59, 3, 3, 35, 3, 3, 26, 35, 59, 59
, 35, 35, 3, 26 ' Lille
3510 DATA 61, 76, 28, 63, 153, 5, 219, 28, 17, 5, 48, 17, 5, 28, 28, 6 >MV
3, 148, 76, 17, 28, 17, 17, 48, 28, 30, 28, 28, 176, 63, 228, 30, 48, 30
, 30, 28, 5, 28, 76, 30, 28
3520 DATA 0, 63, 30, 48, 17, 48, 61, 197, 17, 48, 48, 48, 63, 48, 17, >TN
17, 210, 28, 28, 61, 152, 17, 171, 63, 28, 63, 17, 28, 63, 30, 63, 63, 4
8, 17, 17, 256, 28, 30, 63, 28 ' Limoges
3530 DATA 79, 66, 66, 79, 79, 79, 79, 66, 79, 79, 79, 79, 66, 79, >MX
64, 79, 66, 79, 66, 79, 79, 79, 66, 79, 66, 66, 79, 66, 79, 79, 79, 7
9, 66, 79, 66, 66, 79, 66
3540 DATA 79, 0, 79, 79, 79, 66, 79, 79, 79, 79, 66, 66, 79, 79, 79, 7 >UJ
9, 79, 66, 66, 79, 79, 79, 79, 116, 66, 161, 79, 66, 164, 79, 190, 79, 6
6, 79, 79, 79, 66, 79, 99, 66 ' Lorient
3550 DATA 70, 50, 44, 50, 70, 70, 70, 44, 78, 70, 258, 78, 70, 44, 50 >QL
, 50, 70, 50, 70, 44, 78, 78, 44, 44, 143, 44, 50, 48, 50, 70, 34, 44, 34
, 154, 44, 48, 44, 50, 70, 44
3560 DATA 70, 50, 0, 112, 78, 44, 70, 272, 78, 233, 11, 44, 50, 50, 7 >TR
8, 78, 48, 50, 44, 70, 70, 78, 48, 50, 44, 50, 70, 44, 50, 105, 50, 50, 1
1, 78, 70, 50, 44, 150, 50, 44 ' Lyon
3570 DATA 30, 50, 23, 50, 50, 30, 30, 23, 43, 30, 218, 43, 30, 23, 50 >RN
, 50, 30, 50, 30, 23, 43, 43, 115, 23, 190, 23, 50, 50, 50, 249, 43, 23,
43, 43, 23, 50, 23, 50, 43, 23
3580 DATA 50, 50, 112, 0, 43, 23, 30, 50, 43, 188, 11, 23, 50, 200, 4 >MM
3, 43, 50, 50, 23, 30, 30, 43, 50, 50, 23, 50, 43, 23, 50, 43, 50, 50, 11
, 43, 30, 50, 23, 43, 50, 23 ' Macon
3590 DATA 49, 9, 9, 9, 49, 49, 9, 9, 146, 49, 9, 49, 49, 9, 9, 49, 49, 9 >VD
, 49, 9, 74, 49, 9, 9, 9, 9, 9, 9, 190, 9, 31, 9, 9, 49, 9, 9, 9
3600 DATA 49, 49, 9, 9, 0, 9, 49, 9, 210, 9, 9, 9, 49, 9, 74, 170, 49, 9 >BT
, 9, 49, 49, 49, 49, 49, 9, 9, 49, 9, 9, 9, 49, 9, 114, 49, 9, 9, 49, 9
' Marseille
3610 DATA 52, 80, 80, 80, 52, 52, 52, 77, 52, 52, 52, 52, 26, 77, >MG
80, 52, 80, 52, 26, 52, 52, 52, 80, 52, 210, 80, 77, 80, 52, 52, 52, 52,
52, 80, 77, 80, 80, 52, 26
3620 DATA 52, 80, 52, 52, 52, 0, 52, 52, 52, 52, 52, 107, 80, 52, 52, >QK
52, 77, 80, 80, 52, 52, 52, 77, 80, 80, 80, 52, 80, 80, 52, 80, 80, 212,
52, 52, 80, 258, 52, 80, 115 ' Metz
3630 DATA 177, 13, 13, 13, 13, 171, 1, 61, 75, 148, 1, 75, 178, 13, 6 >WP
1, 13, 1, 13, 1, 13, 75, 75, 1, 61, 1, 61, 13, 61, 13, 1, 75, 1, 1, 1, 13, 1
3, 13, 13, 1, 13
3640 DATA 61, 13, 1, 1, 75, 1, 0, 61, 75, 1, 1, 1, 13, 61, 75, 75, 13, 1 >UD
3, 13, 133, 250, 75, 13, 13, 13, 13, 1, 13, 13, 1, 13, 13, 1, 75, 244, 13
, 61, 1, 13, 61 ' Mont de Marsan
3650 DATA 41, 28, 15, 28, 41, 41, 261, 54, 30, 41, 50, 30, 41, 15, 15 >TA
0, 28, 41, 28, 41, 15, 30, 30, 50, 54, 43, 54, 15, 148, 28, 141, 43, 50,
43, 43, 54, 63, 15, 28, 30, 15
3660 DATA 197, 63, 272, 50, 30, 50, 41, 0, 30, 126, 50, 50, 63, 153, >TH
30, 30, 63, 15, 15, 41, 41, 30, 269, 63, 54, 28, 30, 15, 28, 30, 28, 63,
50, 30, 41, 28, 54, 30, 63, 54 ' Montluçon
3670 DATA 12, 30, 30, 67, 67, 12, 67, 56, 56, 12, 56, 114, 12, 30, 30 >TV
, 67, 67, 30, 67, 30, 351, 12, 56, 56, 56, 56, 30, 30, 30, 414, 56, 56, 5
6, 56, 56, 67, 30, 30, 252, 30
3680 DATA 67, 67, 56, 56, 210, 56, 12, 30, 0, 30, 56, 56, 67, 30, 21, >MU
96, 67, 30, 30, 12, 67, 12, 67, 67, 56, 67, 230, 30, 67, 56, 67, 67, 56,
45, 12, 30, 56, 56, 67, 56 ' Montpellier
3690 DATA 30, 15, 54, 15, 48, 48, 30, 54, 70, 48, 23, 30, 48, 54, 150 >TH
, 15, 30, 15, 30, 54, 70, 30, 184, 54, 43, 54, 15, 15, 15, 146, 43, 235,
43, 43, 54, 48, 15, 15, 30, 54
3700 DATA 48, 15, 233, 188, 70, 32, 30, 126, 30, 0, 23, 32, 15, 104, >RE
70, 30, 48, 15, 54, 30, 48, 30, 48, 15, 54, 15, 30, 15, 15, 226, 15, 15,
23, 70, 30, 15, 54, 70, 15, 54 ' Moulins
3710 DATA 11, 77, 52, 11, 11, 11, 11, 389, 11, 11, 181, 11, 11, 52, 1 >MB
1, 77, 11, 77, 11, 52, 11, 11, 11, 52, 11, 52, 77, 11, 77, 11, 11, 11, 11
, 11, 52, 11, 77, 77, 11, 52



3720 DATA 11,77,11,11,11,52,11,11,11,11,0,226,11,11,11, >MA
11,11,77,77,11,11,11,11,77,52,77,11,77,77,11,77,11,158,
11,11,11,349,11,11,52 ' Mulhouse
3730 DATA 32,59,24,77,32,32,32,77,32,32,237,32,32,24,77 >QR
,59,32,24,32,24,32,32,211,32,46,59,77,24,32,32,246,3
2,32,24,77,24,59,32,46
3740 DATA 32,59,32,32,32,107,32,32,32,32,226,0,77,32,32 >VK
,32,77,77,366,32,32,32,77,59,24,59,32,24,59,32,59,77,19
,4,32,32,77,235,32,59,144 ' Nancy
3750 DATA 36,4,4,139,57,36,63,4,4,36,4,63,36,4,4,79,63, >ZE
324,63,4,63,36,4,4,4,4,4,4,66,63,4,4,4,4,4,195,4,4,63,4,
3760 DATA 63,79,4,4,63,4,36,63,63,4,4,4,4,4,63,63,194,4 >KW
,4,36,57,36,229,79,4,157,63,4,66,4,66,112,4,63,36,4,4,4,
160,4 ' Nantes
3770 DATA 50,58,59,15,48,48,50,162,50,48,307,50,48,59,1 >FA
18,15,50,58,50,58,50,58,50,219,8,50,8,58,15,58,50,50,239,5
0,50,8,15,59,15,50,59
3780 DATA 48,15,50,200,50,32,48,153,50,104,11,32,15,0,5 >LG
0,50,15,210,206,48,48,50,15,15,8,15,50,59,15,50,15,15,1
1,50,50,15,8,50,15,8 ' Nevers
3790 DATA 21,21,21,21,21,21,21,21,21,21,21,21,21,21,21, >KN
21,21,21,21,21,82,21,21,21,31,21,21,21,21,21,191,21,31,
31,21,21,21,21,21,21
3800 DATA 21,21,21,21,21,21,21,21,21,21,21,21,21,21,0,2 >FF
1,21,21,21,21,21,21,21,21,21,21,21,21,21,21,21,21,21,21,
21,21,21,21,21,21 ' Nice
3810 DATA 49,30,78,49,49,49,374,78,94,49,78,49,49,78,30 >QY
,49,49,30,49,78,310,49,78,78,78,30,30,30,396,9,78,9,
78,78,49,30,30,235,78
3820 DATA 49,49,78,78,170,78,49,30,96,30,78,78,49,30,21 >MU
,0,49,30,78,49,49,49,49,78,49,49,30,49,78,49,49,78,4,
5,49,30,78,172,49,78 ' Nîmes
3830 DATA 13,38,63,202,152,13,41,63,41,13,63,13,208,38, >QB
63,53,41,38,5,38,41,13,63,63,63,63,63,63,4,41,41,63,63,
63,63,111,38,261,41,63
3840 DATA 210,53,63,63,41,63,13,63,41,63,63,63,194,63,4 >LH
1,41,0,63,63,13,5,13,120,53,63,53,41,38,53,41,53,53,63,
41,13,63,63,41,53,63 ' Niort
3850 DATA 28,215,59,76,76,76,28,286,15,76,8,15,76,59,15 >UT
6,38,28,27,28,59,15,28,8,318,15,65,123,188,27,15,15,8,1
5,15,59,76,27,188,15,59
3860 DATA 28,38,15,15,15,24,76,15,15,15,77,77,76,210,15 >UD
,15,76,0,177,76,28,28,76,38,310,38,28,27,38,15,38,76,77
,15,28,163,238,15,38,24 ' Orléans
3870 DATA 58,243,186,27,58,58,58,216,8,58,8,58,58,295,5 >KF
8,27,58,68,58,338,8,58,8,65,8,65,138,58,68,58,8,8,8,1
86,58,68,27,58,277
3880 DATA 58,27,8,8,8,65,58,58,58,54,77,366,27,286,8,8, >FM
58,177,0,58,58,58,58,27,190,27,58,173,27,54,2,27,65,8,5
8,58,289,8,27,65 ' PARIS
3890 DATA 207,47,47,47,47,47,1,47,75,156,1,75,47,47,47, >ZU
47,1,47,1,47,75,1,47,1,47,47,47,47,1,75,1,75,75,47,4
7,47,47,75,47
3900 DATA 47,47,1,1,75,1,133,47,75,1,1,1,47,47,75,75,47 >ZQ
,47,47,0,47,380,47,47,47,47,75,47,47,1,47,47,1,75,233,4
7,47,75,47,47 ' Pau
3910 DATA 188,5,41,5,136,13,17,41,17,13,17,17,171,41,41 >DJ
,5,123,5,175,41,17,19,17,41,17,41,41,41,5,17,17,41,17,1

7,41,5,5,5,17,41
3920 DATA 152,5,17,17,17,41,250,41,17,41,17,41,5,41,17, >QV
17,5,41,41,47,0,19,5,5,41,5,17,41,5,17,5,5,17,19,5,4
1,17,5,41 ' Pétigieux
3930 DATA 22,22,22,22,22,22,12,12,12,60,12,144,22,22,12 >MD
,22,22,22,22,12,170,12,12,12,12,22,22,22,12,12,12,12
,12,12,22,22,22,12,22
3940 DATA 22,22,12,12,12,12,22,12,12,12,12,12,22,12,12, >HP
12,22,22,22,380,22,0,22,22,12,22,12,22,22,12,22,22,12,1
2,22,22,12,12,22,12 ' Perpignan
3950 DATA 5,76,76,183,160,57,41,28,41,57,28,41,57,76,28 >ML
,53,41,76,41,76,41,28,76,48,76,76,170,4,41,41,28,48,
48,76,57,76,76,41,76
3960 DATA 171,53,48,48,41,28,57,269,41,48,28,28,229,28, >KF
41,41,120,76,57,5,41,0,53,76,4,41,76,4,41,4,53,28,41
,41,154,28,41,53,28 ' Poitiers
3970 DATA 42,42,42,42,42,42,42,42,42,42,42,42,42,42,42, >LP
122,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,
42,42,42,42,42,42
3980 DATA 42,116,42,42,42,42,42,42,42,42,42,42,42,42,42 >LA
,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,
42,42,42,42,42,42,42 ' Quimper
3990 DATA 24,59,35,59,24,58,24,24,58,24,24,58,35,24, >PY
59,24,68,24,35,24,24,24,24,133,59,24,68,24,24,24,24,
24,100,58,68,59,24,35
4000 DATA 24,59,24,24,24,24,58,24,24,24,24,24,59,24,24, >PE
24,58,318,190,58,24,24,58,59,59,24,284,59,24,59,59,24
,24,24,58,24,24,59,24 ' Reims
4010 DATA 53,200,2,176,53,53,4,38,38,53,38,4,53,2,38,69 >EG
,4,224,4,2,38,53,38,38,38,38,38,38,264,38,38,38,38,3
8,53,18,194,38,1
4020 DATA 4,161,38,38,38,38,53,38,4,38,38,38,157,38,38, >JA
4,53,38,38,53,53,53,4,42,38,8,4,2,149,38,119,169,38,38,
53,38,38,38,157,38 ' Rennes
4030 DATA 19,17,17,17,17,17,19,139,30,49,19,39,246,19,17,3 >ZL
,0,17,207,17,165,17,49,236,30,30,39,30,17,17,17,282,49,3
0,49,78,17,17,17,256,17
4040 DATA 17,17,39,39,49,30,19,30,230,30,39,30,17,30,49 >NL
,49,17,17,17,75,17,12,17,17,30,17,0,17,17,39,17,17,39,4
9,206,17,30,345,17,30 ' Rodez
4050 DATA 27,196,167,2,27,2,27,27,59,59,2,59,27,2,208,27,1 >KH
8,27,168,27,14,59,27,59,65,59,65,179,27,18,27,59,59,59,
59,27,2,132,2,27,59
4060 DATA 27,2,59,59,65,2,27,27,27,59,65,2,59,59,27, >VB
2,27,173,2,27,27,27,2,284,2,27,0,18,27,18,2,65,59,27,27
,59,59,2,65 ' Rouen
4070 DATA 66,287,18,66,66,66,66,66,66,66,66,66,66,66,66 >VE
,196,66,275,66,18,66,66,66,66,66,66,66,66,66,66,66,66,
66,66,66,66,18,66,66,18
4080 DATA 66,164,66,66,66,66,66,66,66,66,66,66,66,66,66 >VH
,66,66,66,66,66,66,66,66,198,66,149,66,18,0,66,129,79,6
6,66,66,66,66,66,66,66 ' St Brieuc
4090 DATA 30,50,50,50,30,30,39,43,78,30,43,78,30,50,50, >QB
50,30,50,39,58,78,78,43,43,43,43,50,30,50,196,78,43,34,
189,43,30,50,50,127,43
4100 DATA 30,50,185,43,78,43,30,38,78,226,43,43,50,50,7 >NW
8,78,30,50,50,30,30,78,30,50,43,50,39,50,50,0,50,50,43,
78,39,50,43,143,50,43 ' St Etienne
4110 DATA 66,228,18,66,66,66,66,38,76,66,38,66,66,18,76 >LV

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 330 DATA 63,22,22,22,00,00,F3,A2,A2,A2,A8,A8,B9,00,22,11774 • 620 DATA FF,FF,FF,FF,55,5D,FF,00,55,FF,FF,55,5D,FF,00,14756
 340 DATA 22,22,22,33,22,00,00,F3,A2,A2,A2,A2,00,A8,00,10432 • 630 DATA 55,FF,FF,00,00,00,55,AE,FF,FF,FF,FF,FF,FF,AE,20994
 350 DATA A8,82,63,22,33,22,00,00,F3,00,A2,A2,A8,A2,A8,12624 • 640 DATA FF,AA,55,FF,FF,FF,AE,FF,AA,55,FF,FF,AA,00,00,15749
 360 DATA A8,22,A8,63,22,33,82,00,00,F3,A2,A2,00,A8,00,9611 • 650 DATA 55,FF,5D,FF,FF,FF,FF,FF,FF,5D,FF,55,FF,FF,FF,23123
 370 DATA FC,00,22,00,63,82,33,22,00,00,F3,A2,A2,00,A8,10166 • 660 DATA FF,5D,FF,55,FF,FF,FF,00,00,55,FF,AE,5A,F1,F2,17513
 380 DATA 00,E9,00,33,00,22,00,22,00,00,00,F3,A2,A2,A2,9785 • 670 DATA 0C,5A,FF,AE,5A,55,FF,AE,5A,FF,AE,5A,55,FF,AE,17171
 390 DATA A8,00,A8,A8,22,A8,63,22,33,22,00,00,A2,A2,A8,9764 • 680 DATA 5A,00,00,55,FF,AE,5A,F0,F0,AE,5B,FF,AE,5A,55,16014
 400 DATA A2,A8,A8,33,A8,22,22,22,22,22,00,00,F3,A2,8286 • 690 DATA FF,AE,5A,FF,AE,5A,55,FF,AE,5A,00,00,55,FF,AE,13533
 410 DATA 51,00,54,00,54,00,11,00,93,82,33,22,00,00,51,4970 • 700 DATA 5A,0F,0F,AE,5B,FF,AE,5A,55,FF,AE,5A,FF,AE,5A,16167
 420 DATA A2,00,A2,00,A8,00,A8,00,22,63,22,33,22,00,00,4476 • 710 DATA 55,FF,AE,5A,00,00,55,FF,AE,5A,0C,0C,AE,5A,FF,12450
 430 DATA A2,A2,A8,A2,A8,A8,33,00,63,22,22,22,22,22,00,5464 • 720 DATA AE,5A,55,FF,AE,5B,FF,AE,5A,55,FF,AE,5A,00,00,11953
 440 DATA 00,A2,00,A2,00,A8,00,A8,00,22,00,63,82,33,22,6758 • 730 DATA 55,FF,AE,5A,FF,FF,AE,5A,FF,AE,5A,55,FF,AE,5B,16879
 450 DATA 00,00,A2,A2,F9,A2,A8,A8,22,A8,22,22,22,22,22,8624 • 740 DATA FF,AE,5A,55,FF,AE,5A,00,00,55,FF,AE,5B,00,00,9360
 460 DATA 22,00,00,F3,00,A8,A2,A8,A8,22,A8,22,22,22,22,8747 • 750 DATA AE,5A,FF,AE,5A,55,FF,AE,5B,FF,AE,5B,55,FF,AE,17190
 470 DATA 22,22,00,00,F3,A2,A8,A2,A8,A8,22,A8,22,22,63,11238 • 760 DATA 5B,00,00,55,FF,AE,5B,00,00,55,FF,FF,AE,5B,55,13272
 480 DATA 22,33,22,00,00,F3,A2,A8,A2,A8,A8,22,A8,33,22,11499 • 770 DATA FF,AE,5B,FF,AE,5B,55,FF,AE,5B,00,00,55,FF,AE,13549
 490 DATA 22,00,22,00,00,00,F3,A2,A8,A2,A8,A8,22,A8,63,12968 • 780 DATA 5B,00,00,00,55,FF,AE,5B,55,FF,AE,5B,FF,AE,5B,15608
 500 DATA 22,33,22,93,82,00,00,F3,A2,A8,A2,A8,A8,22,A8,13867 • 790 DATA 55,FF,AE,5B,00,00,55,FF,AE,5B,00,00,00,55,FF,10057
 510 DATA 33,00,63,22,22,22,00,00,F3,A2,A2,A2,A8,00,B9,12016 • 800 DATA AE,5B,55,FF,AE,5B,FF,AE,5B,55,FF,AE,5B,00,00,11974
 520 DATA 22,00,22,63,22,33,22,00,00,F3,A2,51,00,54,00,6750 • 810 DATA 55,FF,AE,5B,00,00,00,55,FF,AE,5B,55,FF,AE,5B,13518
 530 DATA 54,00,11,00,11,00,11,00,00,00,A2,A2,A8,A2,A8,10080 • 820 DATA FF,AE,5A,55,FF,AE,5B,00,00,55,FF,AE,5A,F5,0D,12721
 540 DATA A8,22,A8,22,22,63,22,33,22,00,00,A2,A2,A8,A2,10114 • 830 DATA A0,55,FF,AE,5A,F5,FF,AE,5B,FF,AE,5A,F5,FF,AE,19894
 550 DATA A8,A8,22,A8,63,22,11,00,11,00,00,00,A2,A2,A8,7946 • 840 DATA 5B,00,00,55,FF,AE,5A,F2,AE,5A,55,FF,AE,5A,F2,16882
 560 DATA A2,A8,A8,22,A8,63,22,33,22,22,22,00,00,A2,A2,7626 • 850 DATA FF,AE,5A,FF,AE,5A,F2,FF,AE,5A,00,00,55,FF,AE,14475
 570 DATA A8,A2,A8,A8,11,00,63,22,22,22,22,22,00,00,A2,5462 • 860 DATA 5A,F3,F5,0D,F5,FF,AE,5A,F3,F5,AE,5A,FF,AE,5A,18162
 580 DATA A2,A8,A2,A8,A8,63,A8,33,22,11,00,11,00,00,00,4140 • 870 DATA F3,F5,AE,5A,00,00,55,FF,AE,5A,F1,F2,AE,5A,FF,17260
 590 DATA F3,A2,A2,A8,00,A8,11,00,22,00,63,22,33,22,00,4622 • 880 DATA AE,5A,F1,F2,AE,5A,FF,AE,5A,F1,F2,AE,5A,00,00,13495
 600 DATA 00,00,00,00,FF,FF,FF,FF,FF,AA,00,FF,AA,00,55,15215 • 890 DATA 55,FF,AE,5A,F0,F0,AE,5A,FF,AE,5A,F0,F0,AE,5F,18325





900 DATA FF,AE,5A,F0,F0,AE,5A,00,00,FF,AE,5A,0F,0F,9393
910 DATA AE,5A,FF,AE,5A,0F,0F,AE,AA,55,AE,5A,0F,0F,AE,10531
920 DATA 5A,00,00,00,55,AE,5A,0C,0C,AE,5A,FF,AE,5A,0C,10627
930 DATA 0C,AE,00,00,FF,FF,0C,0C,FF,FF,00,00,00,FF,10530
940 DATA FF,FF,FF,AE,5A,FF,AE,5A,FF,FF,AE,AA,00,55,FF,17216
950 DATA FF,FF,00,00,FF,AA,00,00,00,00,55,FF,AE,5A,FF,12600
960 DATA AE,5A,55,FF,AE,5F,00,55,FF,AE,5B,00,00,FF,14062
970 DATA 00,00,00,00,55,FF,AE,5A,FF,AE,5A,55,FF,AE,5A,15312
980 DATA 00,55,FF,AE,5B,00,00,F0,FF,FF,FF,FF,FF,FF,22796
990 DATA AE,5A,FF,AE,5A,55,FF,AE,5A,00,55,FF,AE,5B,00,12301
1000 DATA 00,F0,FF,FF,FF,FF,FF,FF,FF,AE,5A,FF,AE,5A,55,10864
1010 DATA FF,AE,5A,00,55,FF,AE,5B,00,00,F2,F0,0E,FF,FF,15763
1020 DATA FF,FF,FF,AE,5A,FF,AE,5A,55,FF,AE,5A,00,55,FF,14976
1030 DATA AE,5A,00,00,F3,F0,0E,FF,FF,FF,FF,FF,AE,5A,FF,20649
1040 DATA AE,5A,55,FF,AE,5A,00,55,FF,AE,5A,00,00,F1,F2,13793
1050 DATA 0E,AE,0C,0C,0C,0C,AE,5B,FF,AE,5A,55,FF,AE,5A,14046
1060 DATA 00,55,FF,AE,5A,00,00,FA,F3,0E,FF,0F,0F,0F,7797
1070 DATA AE,5B,FF,AE,5A,00,FF,AE,5A,00,00,FF,AE,5A,00,11014
1080 DATA 00,55,F1,0E,FA,F0,F0,F0,F0,AE,5B,55,AE,5A,00,14518
1090 DATA 55,AE,5A,00,00,55,AE,5A,00,00,00,FA,0E,5B,F0,9875
1100 DATA F3,F2,F0,0C,5A,00,AE,0D,00,00,AE,0D,00,00,4136
1110 DATA AE,0D,00,00,00,55,FF,FF,FF,FF,FF,FF,FF,FF,19818
1120 DATA 55,FF,00,00,55,FF,00,00,00,55,FF,00,00,55,FF,9060
1130 DATA 00,00,55,FF,00,55,FF,FF,FF,FF,FF,FF,00,55,FF,19465
1140 DATA FF,FF,FF,00,00,AE,FF,AA,00,AE,FF,AA,AE,FF,19314
1150 DATA FF,FF,FF,AA,AE,FF,FF,FF,FF,FF,FF,AA,00,FF,5D,FF,20435
1160 DATA 00,FF,5D,FF,FF,5D,FF,FF,FF,FF,FF,FF,5D,FF,FF,23697
1170 DATA FF,FF,FF,FF,FF,AE,FF,AA,FF,AE,FF,FF,FF,FF,FF,23309
1180 DATA FF,FF,FF,AE,FF,FF,FF,FF,FF,FF,AA,FF,FF,0D,AB,21125
1190 DATA FF,FF,0D,FF,0D,FF,0D,F0,F3,0A,0D,FF,0D,F0,F3,10604
1200 DATA A4,0D,AB,FF,FF,0D,AB,FF,FF,0D,FF,0D,FF,0D,F0,18976
1210 DATA F5,0D,FF,0D,F0,F0,FF,0D,AB,FF,FF,0D,AB,FF,10360
1220 DATA FF,0D,FF,0D,FF,0D,AS,0F,5F,0D,FF,0D,AS,0F,5F,11407
1230 DATA 0D,AB,FF,FF,0D,AB,FF,FF,0D,FF,0D,0A,0C,5D,14030
1240 DATA 0D,FF,0D,A4,0C,5D,0D,AB,FF,FF,0D,AB,FF,FF,17232
1250 DATA 0D,FF,0D,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,18307
1260 DATA AB,FF,FF,0D,AB,FF,FF,FF,FF,FF,FF,FF,FF,FF,17977
1270 DATA F5,FF,0D,FF,FF,FF,FF,0D,AB,FF,FF,0D,A2,FF,FF,17313
1280 DATA F7,FF,0D,A2,FF,FF,0D,F7,FF,0D,A2,FF,FF,FF,0D,A2,16948
1290 DATA FF,FF,0D,A2,FF,FF,0D,F7,FF,0D,A2,FF,FF,FF,0D,F7,18138
1300 DATA FF,0D,A2,FF,FF,0D,A2,FF,FF,0D,A2,FF,FF,FF,0D,F7,18213
1310 DATA FF,0D,A2,FF,FF,0D,F7,FF,0D,A2,FF,FF,0D,A2,FF,18203
1320 DATA FF,0D,AB,FF,FF,0D,FF,FF,0D,A2,FF,FF,0D,F7,FF,19292
1330 DATA 0D,A2,FF,FF,0D,A2,FF,FF,0D,AB,FF,FF,0D,FF,FF,19424
1340 DATA 0D,F0,FF,FF,0D,FF,FF,0D,F0,FF,FF,0D,A2,FF,FF,20150
1350 DATA 0D,AB,FF,FF,0D,FF,FF,0D,F1,FF,FF,0D,FF,FF,FF,0D,17596
1360 DATA F1,FF,FF,0D,AB,FF,FF,0D,AB,FF,FF,0D,FF,FF,0D,FF,17835
1370 DATA F1,F2,FF,0D,FF,FF,0D,F1,F2,FF,0D,AB,FF,FF,0D,17409
1380 DATA AB,FF,FF,0D,FF,FF,0D,F0,F3,FF,0D,FF,FF,0D,F0,18300
1390 DATA F3,FF,0D,AB,FF,FF,0D,AB,FF,FF,0D,FF,FF,0D,F0,17993
1400 DATA F0,FF,0D,FF,0D,F0,F0,FF,0D,AA,FF,FF,0D,FF,18452
1410 DATA FF,FF,0D,FF,FF,0D,AS,0F,5F,0D,FF,FF,0D,AS,0F,11839
1420 DATA 5F,5D,00,FF,FF,FF,FF,FF,FF,FF,FF,FF,0D,A4,0C,15066
1430 DATA 5D,0D,FF,FF,0D,AA,0C,0C,00,FF,FF,FF,FF,FF,14626
1440 DATA FF,0D,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,20687
1450 DATA 5D,00,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,18234
1460 DATA 0D,FF,FF,0D,AB,FF,FF,0D,AA,FF,FF,0D,AS,0F,5F,17108
1470 DATA 0D,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,17832
1480 DATA AB,FF,FF,0D,F0,F3,FF,0D,FF,FF,FF,FF,FF,FF,FF,17242

1490 DATA F5,FF,0D,AB,FF,FF,0D,AB,FF,FF,0D,F1,F0,F7,0D,17643
1500 DATA F5,FF,0D,AB,FF,FF,0D,FF,0D,FF,FF,FF,0D,AB,16800
1510 DATA FF,FF,0D,F0,FF,FF,0D,FF,0D,FF,FF,FF,0D,FF,17300
1520 DATA FF,0D,AB,FF,FF,0D,AB,FF,FF,0D,AS,0C,5F,0D,13606
1530 DATA FF,0D,AB,FF,FF,0D,FF,FF,0D,AB,FF,FF,0D,AB,FF,18143
1540 DATA FF,0D,A4,FF,5D,0D,FF,FF,0D,AB,FF,FF,0D,FF,FF,16808
1550 DATA AB,FF,FF,0D,AB,FF,FF,0D,FF,FF,0D,FF,FF,0D,FF,17457
1560 DATA 0D,AB,55,FF,0D,FF,0D,AB,55,FF,0D,AB,00,FF,14221
1570 DATA 0D,AB,00,FF,0D,AB,FF,0D,AB,00,FF,0D,AB,FF,0D,12788
1580 DATA AB,00,FF,0D,AB,00,55,0C,AB,00,55,0C,AB,55,0C,4238
1590 DATA AB,00,55,0C,AB,55,0C,AB,00,55,0C,AB,00,FF,5378
1600 DATA AB,00,FF,AA,00,FF,AA,00,FF,AA,00,FF,AA,14280
1610 DATA 00,00,FF,AA,00,00,00,00,00,00,00,00,00,2492
1620 DATA 05,EA,00,00,00,00,00,00,00,00,00,00,00,00,8955
1630 DATA EA,AE,0E,5D,00,00,40,FF,5D,0D,AS,0E,EA,00,9531
1640 DATA AE,0E,5A,F3,AS,5D,00,00,0D,SA,F2,FF,5D,00,11300
1650 DATA 00,AB,EA,F1,F3,0E,EA,00,00,00,00,00,00,00,12970
1660 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,8935
1670 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,8797
1680 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,4064
1690 DATA EA,40,00,00,00,00,00,00,FF,5D,05,00,00,00,00,00,11540
1700 DATA 0C,0C,AE,EA,00,00,00,00,00,00,00,00,00,00,8268
1710 DATA 0F,0F,5A,5D,EA,00,00,00,00,00,00,00,00,00,9411
1720 DATA AE,5B,F3,F1,AS,5D,00,00,AE,5A,F2,F3,F0,0E,00,15700
1730 DATA 40,AF,0F,AS,F0,0F,5D,00,00,00,00,00,00,00,00,8330

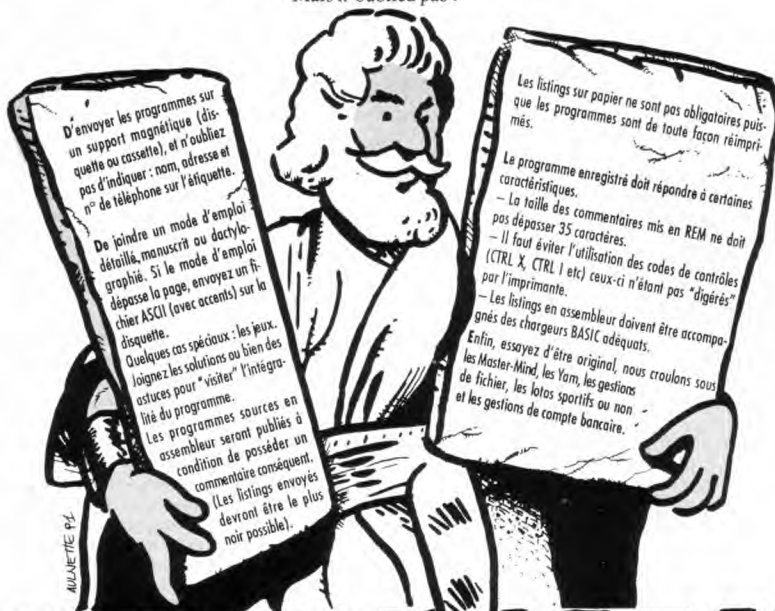


1740 DATA 00,40,FF,0D,0C,0F,0C,EA,00,40,5D,AE,AE,0C,FF,11680
1750 DATA 4B,00,40,EA,D5,D5,5D,C0,EA,00,00,80,40,AE,EA,14235
1760 DATA 00,80,00,00,00,00,00,00,00,00,00,00,00,128
1770 DATA 00,C1,F1,E2,00,00,00,90,9D,68,00,00,40,64,C0,9309
1780 DATA C0,00,00,40,6A,4F,E2,00,00,00,C0,0D,CA,00,00,6854
1790 DATA 00,90,AE,4A,00,00,40,64,75,EA,00,00,90,9D,98,10737
1800 DATA 90,80,40,C4,FF,6E,64,C0,81,D5,4D,3F,89,03,16,10761
1810 DATA 84,DB,FF,3E,3C,79,D5,5A,F3,EA,5B,F3,D5,0D,E5,17232
1820 DATA 4F,5D,C0,40,AE,0F,0C,BE,80,00,D5,0C,FF,81,80,12657
1830 DATA 00,40,FF,94,C0,00,00,40,64,3A,80,00,00,00,00,4836
1840 DATA 00,00,00,00,00,40,C0,80,00,00,00,D1,F2,C2,00,10093
1850 DATA 00,00,94,6E,60,00,00,00,C0,C0,98,80,00,00,D1,10128
1860 DATA 8F,95,80,00,00,C5,0E,80,00,00,00,85,5D,60,00,6197
1870 DATA 00,00,D5,BA,98,80,80,40,60,64,6E,60,42,C0,98,12688
1880 DATA 9D,FF,C8,29,03,46,3F,8E,EA,B6,3C,3D,FF,E7,48,14364
1890 DATA F3,A7,D5,F3,A5,EA,C0,AE,8F,DA,0E,EA,40,7D,0C,13903
1900 DATA 0F,5D,80,40,42,FF,0C,EA,00,00,C0,68,FF,80,00,11578
1910 DATA 00,40,35,98,80,00,00,40,30,30,80,00,00,40,93,6572
1920 DATA B9,80,00,00,C1,C1,76,C2,00,40,93,C3,93,E8,00,12902
1930 DATA 90,76,C2,C1,62,00,D1,39,C2,B9,62,00,94,6B,C0,13182
1940 DATA 73,C2,00,95,C8,40,93,C2,00,C4,60,40,C3,C2,00,12291
1950 DATA 90,80,40,6E,60,00,40,00,40,B7,98,80,00,00,00,6441
1960 DATA 00,00,00,00,00,00,00,00,00,00,00,40,30,60,00,00,2320
1970 DATA 00,40,93,E8,00,00,00,40,63,76,80,00,00,40,C1,8170
1980 DATA 93,80,00,00,D1,C2,B9,80,00,00,94,6B,B9,80,00,10481
1990 DATA 00,95,99,76,80,00,00,C4,61,63,80,00,00,90,C1,10214
2000 DATA C2,00,00,00,40,95,98,80,00,00,00,D1,6E,60,00,7676
2010 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,40,30,1504
2020 DATA 60,00,00,00,40,93,E8,00,00,00,40,93,63,80,00,7492
2030 DATA 00,40,93,B9,80,00,00,D1,C2,33,80,00,00,94,C1,10805
2040 DATA B3,80,00,00,95,93,63,80,00,00,C4,33,C2,00,00,7798
2050 DATA 00,90,C3,80,00,00,00,40,6E,60,00,00,00,40,B7,6504
2060 DATA 98,80,00,00,00,00,00,00,00,00,00,00,00,00,128
2070 DATA 00,40,30,60,00,00,00,C1,76,63,80,00,00,C1,33,8137
2080 DATA 33,C2,00,00,40,63,91,62,00,00,C1,62,73,62,00,8163
2090 DATA 00,91,91,93,C2,00,40,93,93,63,80,00,40,69,C3,11275
2100 DATA C2,00,00,40,6E,95,98,80,00,40,6E,34,6E,60,00,8001
2110 DATA 40,B7,98,C0,C0,00,00,00,00,00,00,00,00,00,00,1831
2120 DATA 00,00,00,00,40,30,30,80,00,00,40,93,E9,80,00,8397
2130 DATA 00,40,93,33,E8,00,00,C1,76,C3,63,80,00,91,C3,12502
2140 DATA C1,93,80,40,76,63,C1,FC,80,40,93,C2,91,B3,80,15547
2150 DATA 40,C3,80,D4,63,80,40,6E,60,C1,92,80,40,B7,98,13925
2160 DATA 94,6E,60,40,C0,C0,D1,3D,C8,00,00,00,00,00,00,5503
2170 DATA 00,00,00,00,00,00,00,40,30,30,80,00,00,40,76,5028
2180 DATA 63,80,00,00,C1,B9,C2,C2,00,00,D4,63,C3,63,80,12975
2190 DATA 00,91,C2,C1,B9,60,00,91,76,C1,36,E2,00,C1,83,14069
2200 DATA C0,97,68,00,C1,63,80,C4,6A,00,C1,C3,80,90,C8,14897
2210 DATA 00,90,9D,80,40,60,40,64,7B,80,00,C0,00,00,00,6910
2220 DATA 00,00,00,00,00,00,00,00,00,00,00,00,90,30,80,00,3824
2230 DATA 00,00,D4,63,80,00,00,40,B9,93,80,00,00,40,63,7982
2240 DATA C2,C0,00,00,40,76,C1,E2,00,00,40,76,97,68,00,8880
2250 DATA 00,40,B9,66,6A,00,00,40,93,92,C8,00,00,00,C1,8804
2260 DATA C2,60,00,00,40,64,6A,C0,00,00,90,9D,E2,00,00,8711
2270 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,90,2016
2280 DATA 30,80,00,00,00,D4,63,80,00,00,40,93,63,80,00,7787
2290 DATA 00,40,76,63,80,00,00,40,33,C1,E2,00,00,40,73,8404
2300 DATA C2,68,00,00,40,93,63,6A,00,00,00,C1,33,C8,00,7766
2310 DATA 00,00,40,C3,60,00,00,00,90,9D,80,00,00,40,64,7174
2320 DATA 7B,80,00,00,00,00,00,00,00,00,00,00,00,00,128
2330 DATA 00,00,90,30,80,00,00,40,93,B9,C2,00,00,C1,33,9396
2340 DATA 33,C2,00,00,91,62,93,80,00,00,91,B3,91,C2,00,10723
2350 DATA 00,C1,63,62,62,00,00,40,93,63,63,80,00,00,C1,8692
2360 DATA C3,96,80,00,40,64,6A,9D,80,00,90,9D,38,9D,80,11593
2370 DATA 00,C0,C0,64,7B,80,00,00,00,00,00,00,00,00,2008
2380 DATA 00,00,00,00,40,30,30,80,00,00,40,D6,63,80,00,7526
2390 DATA 00,D4,33,63,80,00,40,93,C3,B9,C2,00,40,63,C2,12472
2400 DATA C3,62,00,40,FC,C2,93,B9,80,40,73,22,C1,63,80,12964
2410 DATA 40,93,A8,40,C3,80,40,61,82,90,9D,80,90,9D,68,13697
2420 DATA 64,7B,80,C4,3E,E2,C0,C0,80,00,00,00,00,00,5865
2430 DATA 00,00,00,00,00,00,00,00,FF,00,AE,DB,00,00,FF,9759
2440 DATA FF,00,00,E7,5D,00,FF,00,00,00,00,00,00,00,2595
2450 DATA 00,00,00,00,00,00,00,00,00,00,14,3C,3C,00,00,1580
2460 DATA 00,00,00,00,00,00,00,30,79,F3,B6,7D,AA,00,00,00,7837
2470 DATA 00,00,30,CC,F3,F3,F3,2C,5D,AA,00,00,00,30,CC,10415
2480 DATA 3F,F3,F3,F3,A7,0E,5D,AA,00,10,CC,3F,3C,F3,F3,14102
2490 DATA F3,E7,8F,0E,5D,00,64,3F,3C,F3,F3,F3,F3,E7,19051
2500 DATA 8F,0E,AA,9D,3C,F3,F3,9C,B6,B6,D9,F3,E7,8F,00,17510
2510 DATA 00,C0,00,00,35,3C,3D,20,00,40,80,00,00,E2,00,6088
2520 DATA 00,44,3E,6E,00,00,51,80,00,00,53,00,00,10,9D,5140
2530 DATA 98,00,00,A3,00,00,00,01,A2,00,00,64,20,00,51,4410
2540 DATA 02,00,00,00,00,53,00,00,00,00,00,A3,00,00,00,2208
2550 DATA 00,00,01,A2,00,00,00,51,02,00,00,00,00,00,00,1071
2560 DATA 53,00,00,00,A3,00,00,00,00,00,00,00,01,A2,00,2770
2570 DATA 51,02,00,00,00,00,00,00,00,00,53,00,A3,00,00,2788
2580 DATA 00,00,00,00,00,00,00,01,C0,02,00,00,00,00,00,1561
2590 DATA 00,00,00,00,00,03,00,00,00,00,00,00,00,00,15
2600 DATA 00,00,C0,00,00,00,00,00,00,00,00,00,00,00,384
2610 DATA 00,00,00,00,00,00,00,41,F1,A2,00,00,00,10,9D,6247
2620 DATA 28,00,00,00,64,C0,80,00,00,00,00,68,4F,A2,00,00,5981
2630 DATA 00,53,0D,8A,00,00,00,14,AE,5B,00,02,00,21,F7,6783
2640 DATA BE,00,16,10,9D,38,81,01,79,44,FF,46,64,16,A2,10435
2650 DATA 55,4D,3F,89,79,00,04,DB,FF,3E,A2,00,55,5A,F3,12465
2660 DATA EA,0A,00,55,0D,E5,4F,5D,00,00,AE,0F,0C,AA,00,6846
2670 DATA 00,55,0C,FF,00,00,00,00,FF,94,00,00,00,00,64,5646
2680 DATA 3A,00,00,00,00,40,EA,42,80,00,00,D5,F5,A3,42,11536
2690 DATA 00,00,D0,A7,F3,A3,00,00,84,0E,B6,29,00,00,D5,9139
2700 DATA 5D,29,42,00,00,40,EA,42,80,00,00,D5,EA,42,80,11184
2710 DATA 00,C0,FB,F5,A3,42,00,0F,5A,A7,F3,A3,00,D5,0D,11913
2720 DATA 0E,B6,29,00,40,AE,5D,29,42,00,00,D5,EA,42,80,10564
2730 DATA 00,00,00,00,00,00,40,79,80,00,00,00,00,00,00,2255
2740 DATA 00,00,00,00,00,95,3E,E2,00,00,00,00,00,00,00,2699
2750 DATA 00,00,00,00,C4,CC,C8,00,00,00,00,00,00,00,3004
2760 DATA 00,00,00,90,30,60,00,00,00,00,00,00,00,00,1104
2770 DATA 00,00,C5,4B,80,00,00,00,00,00,00,00,00,00,1131
2780 DATA 00,85,5D,C0,00,00,00,00,00,00,00,00,00,00,895
2790 DATA D5,EA,C3,80,00,00,00,00,40,00,00,00,80,00,C0,5744
2800 DATA C1,33,C2,00,00,00,00,95,80,00,40,42,C0,C2,93,10756
2810 DATA FF,62,00,00,00,00,7B,E2,00,40,38,03,43,62,8E,7653
2820 DATA EA,00,00,00,00,3E,F3,80,40,E6,3C,39,FF,E7,48,13544
2830 DATA 00,80,00,00,9D,79,E2,40,B7,A7,D5,F3,A5,EA,40,16853
2840 DATA 60,00,00,64,3E,F3,80,C0,AE,8F,DA,0E,EA,90,C0,16368
2850 DATA 00,00,90,9D,79,E2,40,7D,0C,0F,5D,C0,64,6A,80,11275
2860 DATA 00,40,64,3E,F3,90,42,FF,0C,EA,90,9D,E2,E2,00,15342
2870 DATA 00,90,9D,3C,64,C0,62,FF,C0,64,7B,C0,68,00,00,11397
2880 DATA 40,64,6A,65,64,3F,3F,98,9D,68,40,68,00,00,00,6748
2890 DATA 90,90,8C,64,3E,3D,98,3E,80,40,6A,00,00,00,C0,7971
2900 DATA 64,7F,35,79,B6,3A,C0,00,40,6A,00,00,00,90,9D,8302
2910 DATA C0,34,F3,F3,38,90,80,40,C8,00,00,00,C0,C0,98,11955

SUITE PAGE 33

GUIDE DU PROGRAMMEUR

Votre programme est maintenant fin prêt, il ne vous reste plus qu'à envoyer votre œuvre à CPC Infos.
Mais n'oubliez pas :



L E PROGRAMMEUR

Nom : _____ Prénom : _____

Adresse complète : _____

Tél. : _____ Age : _____

Attestation sur l'honneur

Je soussigné _____
déclare être l'auteur du programme ci-joint et ne l'avoir
jamais proposé à une autre revue.

Le _____ A _____

* Ne pouvant être tenu pour responsable de l'acheminement des paquets postaux, nous conseillons à notre aimable clientèle de choisir l'envoi en recommandé.

Remplissez soigneusement ce coupon et joignez-le à votre programme, sur cassette ou disquette.
Envoyez le tout à CPC Infos - La Haie de Pan - 35170 BRUZ

L E PROGRAMME

Nom : _____

Catégorie : ☐ Jeu ☐ Utilitaire ☐ Educatif

Taille : _____

Périphériques utilisés : _____

Support : ☐ Cassette ☐ Disquette

Comptabilité (testée) avec : _____

☐ 464 ☐ 664 ☐ 6128 ☐ PCW 8256

Signature _____

Participez à CPC Infos



2920 DATA C0,C0,C0,C0,64,60,40,C8,00,00,C0,90,30,6E,30,9998
2930 DATA 30,30,30,9D,98,C0,60,00,40,30,64,CC,3D,CC,CC,13187
2940 DATA CC,CC,3E,3A,30,60,00,90,CC,9D,3F,3C,C0,95,C0,13446
2950 DATA 95,79,6C,CC,98,00,64,3F,3E,3C,86,94,F3,D1,D1,15641
2960 DATA F3,B7,3F,6E,00,9D,F3,F3,F3,F3,C0,D1,D1,F3,F3,22002
2970 DATA F3,F3,3D,00,3E,3C,3C,3C,3C,3C,94,94,94,3C,3C,9217
2980 DATA 3C,3C,00,3C,3F,3F,3F,3F,C0,95,C0,95,3F,3F,3F,10519
2990 DATA 3E,00,3D,CC,CC,CC,CC,CC,CC,CC,CC,CC,CC,9D,20272
3000 DATA 00,6E,30,30,30,30,30,30,30,30,30,30,64,00,5106
3010 DATA 98,4A,85,C0,4A,85,C0,4A,85,C0,4A,85,90,00,60,11614
3020 DATA 48,84,C0,48,84,C0,48,84,C0,48,84,C0,00,C0,EA,14964
3030 DATA D5,C0,EA,D5,C0,EA,D5,C0,EA,D5,85,80,4A,60,30,15194
3040 DATA 90,60,30,30,C0,30,30,90,30,84,80,18,B2,30,F3,11918
3050 DATA 30,71,B2,30,71,B2,30,F3,75,80,BE,B6,34,F3,38,14501
3060 DATA 79,86,30,79,86,34,F3,68,80,95,3D,35,3C,3A,3E,9715
3070 DATA 3D,30,3E,3D,35,3C,6A,80,C4,6E,64,3F,98,9D,6E,12055
3080 DATA 30,9D,6E,64,3F,C8,0A,90,98,30,CC,30,64,98,30,11061
3090 DATA 64,98,30,CC,60,08,85,60,60,30,60,30,30,60,30,7938
3100 DATA 30,60,30,C0,AA,04,85,C0,4A,85,C0,4A,85,C0,4A,13261
3110 DATA 85,C0,4A,00,55,84,C0,48,84,C0,48,84,C0,48,84,13040
3120 DATA C0,48,00,40,D5,C0,EA,D5,C0,EA,D5,C0,EA,D5,C0,21120
3130 DATA EA,00,10,CC,9D,3F,3C,C0,95,C0,95,79,6C,CC,98,15108
3140 DATA 00,64,3F,3E,3C,86,94,F3,D1,D1,F3,B7,3F,6E,00,14333
3150 DATA 9D,F3,F3,F3,F3,C0,D1,D1,F3,F3,F3,F3,3D,00,3E,16941
3160 DATA 3C,3C,3C,3C,3C,94,94,94,3C,3C,3C,3C,00,3C,3F,7206
3170 DATA 3F,3F,3F,C0,95,C0,95,3F,3F,3F,3E,00,3D,CC,CC,11587
3180 DATA CC,CC,CC,CC,CC,CC,CC,CC,CC,CC,9D,00,6E,30,30,30,11839
3190 DATA 30,30,30,30,30,30,30,30,64,00,8D,C0,4A,85,C0,10971
3200 DATA 4A,85,C0,4A,85,C0,4A,60,00,24,C0,48,84,C0,48,11471
3210 DATA 84,C0,48,84,C0,48,85,00,D5,C0,EA,D5,C0,EA,D5,19101
3220 DATA C0,EA,D5,C0,EA,84,00,C0,60,30,90,60,30,30,C0,11760
3230 DATA 30,30,90,30,D5,80,90,82,30,F3,30,71,B2,30,71,12718
3240 DATA B2,30,F3,60,80,1E,B6,34,F3,38,79,B6,30,79,86,13297
3250 DATA 34,F3,68,0A,1D,3D,35,3C,3A,3E,3D,30,3E,3D,35,6079
3260 DATA 3C,6A,08,EE,6E,64,3F,98,9D,6E,30,9D,6E,64,3F,11173
3270 DATA C0,AA,90,98,30,CC,30,64,98,30,64,98,30,CC,60,12006
3280 DATA 80,85,60,60,30,60,30,30,60,30,30,60,30,C0,80,9509
3290 DATA 04,C0,4A,85,C0,4A,85,C0,4A,85,C0,4A,85,00,55,11328
3300 DATA C0,48,84,C0,48,84,C0,48,84,C0,48,84,00,40,C0,11992
3310 DATA EA,D5,C0,EA,D5,C0,EA,D5,C0,EA,D5,00,00,00,00,11778
3320 DATA 00,00,00,40,79,80,00,00,00,00,00,00,00,00,00,1316
3330 DATA 00,00,95,3E,E2,00,00,00,00,00,00,00,00,00,00,1388
3340 DATA 00,C4,CC,C8,00,00,00,00,00,00,00,00,00,00,00,1204
3350 DATA 90,30,60,00,00,00,00,00,00,00,00,00,00,00,C5,2998
3360 DATA 48,80,00,00,00,00,00,00,00,00,00,00,00,00,85,5D,3159
3370 DATA C0,00,00,00,00,00,00,00,00,00,00,00,00,D5,EA,C3,8328
3380 DATA 80,00,00,00,00,40,00,00,00,80,40,FF,C1,33,C2,10612
3390 DATA 00,00,00,00,95,80,00,40,42,C0,AE,FF,FF,62,00,12819
3400 DATA 00,00,00,7B,E2,00,40,7D,57,0D,0C,AE,EA,00,00,8187
3410 DATA 00,00,3E,F3,80,D5,AE,AE,5A,0F,5D,48,00,80,00,8933
3420 DATA 00,9D,79,E2,D5,0D,0D,F1,F2,0E,EA,40,60,00,00,10017
3430 DATA 64,3E,F3,C0,AE,0F,F1,A5,0E,EA,90,C8,00,00,90,12370
3440 DATA 9D,79,E2,D5,58,F3,A7,5D,C0,64,6A,80,00,40,64,11568
3450 DATA 3E,F3,AE,0D,F1,A5,5D,90,9D,E2,E2,00,00,90,9D,13605
3460 DATA 3C,AE,0E,5A,0E,EA,64,7B,C0,68,00,00,40,64,6A,9183
3470 DATA 75,5D,0D,0E,BA,9D,68,40,68,00,00,00,90,90,8C,9154
3480 DATA EE,AE,5D,98,3E,80,40,6A,00,00,00,C0,64,7F,35,8535
3490 DATA 7D,BE,3A,C0,00,40,6A,00,00,00,90,9D,C0,34,F3,11387
3500 DATA F3,38,90,80,40,C8,00,00,00,C0,C0,98,C0,C0,14792
3510 DATA C0,64,60,40,C8,00,00,C0,90,30,6E,30,30,30,7712
3520 DATA 9D,98,C0,60,00,40,30,64,CC,3D,CC,CC,CC,3E,14565
3530 DATA 3A,30,60,00,00,00,00,00,00,40,79,80,00,00,3747
3540 DATA 00,00,00,00,00,00,00,00,00,95,3E,E2,00,00,00,4447
3550 DATA 00,00,00,00,00,00,00,00,80,C4,CC,C8,00,00,00,6300
3560 DATA 00,00,00,00,00,40,EA,90,30,60,40,00,00,00,4620
3570 DATA 00,00,00,00,40,48,C5,4B,80,D5,80,00,00,00,6544
3580 DATA 00,00,00,40,C0,85,5D,C0,84,80,00,00,00,00,5735
3590 DATA 80,40,D5,FF,5D,FF,C3,C0,00,00,00,00,40,40,EA,10292
3600 DATA 84,AE,0C,0C,AE,BB,C2,00,00,00,00,95,C0,48,D5,10890
3610 DATA 0D,0C,0F,5D,FF,62,00,00,00,00,7B,E2,C0,AE,0F,10323
3620 DATA 0F,5A,5D,AE,EA,00,00,00,00,3E,F3,D5,0D,0F,F2,10804
3630 DATA F2,0E,4D,48,00,80,00,00,9D,79,E2,AE,5B,F3,F1,15168
3640 DATA A5,5D,EA,40,60,00,00,64,3E,F3,AE,5A,F2,F3,F0,16673
3650 DATA 0E,EA,90,C8,00,00,90,9D,79,AF,0F,A5,F0,0F,5D,11970
3660 DATA C0,EE,6A,80,00,40,64,3E,A6,0F,0F,0F,0E,EA,90,9192
3670 DATA 1D,E2,E2,00,00,90,9D,FF,0D,0C,0F,0C,EA,64,7B,10449
3680 DATA C0,68,00,00,40,64,5D,AE,AE,0C,FF,18,9D,68,40,11082
3690 DATA 68,00,00,00,90,BA,DD,75,5D,3D,BA,3E,80,40,6A,11338
3700 DATA 00,00,00,C0,64,7F,AE,FB,86,3A,C0,80,40,6A,00,11864
3710 DATA 00,00,90,9D,C0,34,F3,F3,38,90,80,40,C8,00,00,11074
3720 DATA 00,C0,D5,98,C0,C0,C0,C0,64,60,40,C8,00,00,C0,12490
3730 DATA 90,24,6E,30,30,30,30,9D,98,C0,60,00,40,30,64,8915
3740 DATA CC,3D,CC,CC,CC,CC,CC,3E,3A,30,60,00,00,00,00,4943
3750 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3760 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3770 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3780 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3790 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3800 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3810 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3820 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3830 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3840 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3850 DATA 00,00,80,00,00,00,00,00,00,00,00,40,00,00,00,896
3860 DATA 40,E2,80,00,00,00,00,00,00,90,80,00,00,40,3954
3870 DATA 79,E2,00,00,00,40,00,00,64,80,80,00,00,C4,3E,7194
3880 DATA E2,C0,40,80,D5,80,C0,C8,40,E2,00,00,90,9D,3C,11903
3890 DATA 64,90,60,AE,EA,64,6A,40,68,00,00,40,64,6A,FF,11062
3900 DATA 64,6A,1D,5D,9D,68,40,68,00,00,00,90,90,0C,64,7571
3910 DATA 3E,95,5D,3E,80,40,6A,00,00,00,C0,75,7F,35,68,8865
3920 DATA 3C,2E,C0,00,40,6A,00,00,00,90,9D,C0,34,F3,F3,13379
3930 DATA 38,90,80,40,C8,00,00,00,C0,C0,98,C0,C0,C0,15776
3940 DATA 64,60,40,C8,00,00,C0,90,30,6E,30,30,30,9D,8764
3950 DATA 98,C0,60,00,40,30,64,CC,3D,CC,CC,CC,CC,3E,3A,13582
3960 DATA 30,60,00,00,D1,E8,00,00,00,40,F6,33,80,00,00,7225
3970 DATA 40,33,63,80,00,00,40,93,D3,80,00,00,40,61,4F,8021
3980 DATA 80,00,00,40,D5,0D,80,00,00,C1,C2,FF,80,00,00,9895
3990 DATA 93,63,C0,80,00,80,77,BB,C2,C2,C0,02,AE,CA,63,14870
4000 DATA 03,12,68,4D,F7,BB,3C,6C,E2,AF,F1,F7,85,B7,E2,19145
4010 DATA AE,5A,8F,8E,EA,80,D5,0D,0E,5D,68,00,40,AE,5D,10068
4020 DATA EA,42,00,00,D5,EA,62,80,00,00,D1,B9,C2,00,00,10025
4030 DATA 00,C0,30,30,80,00,00,C0,93,B9,80,00,00,C1,C1,11620
4040 DATA 76,C2,00,40,93,C3,93,E8,00,90,76,C2,C1,62,00,12655
4050 DATA D1,39,C2,B9,62,00,94,6B,C0,73,C2,00,95,C8,40,12824
4060 DATA 93,C2,00,C4,60,40,C3,C2,00,90,80,40,6E,60,00,9862
4070 DATA 40,00,40,B7,98,80,00,D1,E8,00,00,00,40,F6,33,9924
4080 DATA 80,00,00,40,33,63,80,00,00,40,93,D3,80,00,00,7562
4090 DATA 40,61,4F,80,00,00,40,D5,0D,80,00,00,C1,C2,FF,12178



4100 DATA 80,00,00,93,63,C0,00,00,87,77,BB,C2,C2,C0,02,13516
 4110 DATA AE,CA,63,03,12,68,40,F7,8B,3C,6C,E2,AF,F1,F7,17485
 4120 DATA 85,B7,E2,AE,5A,8F,8E,EA,00,D5,0D,0E,50,68,00,10415
 4130 DATA 40,AE,5D,EA,42,00,00,D5,EA,62,00,00,00,D1,89,12158
 4140 DATA C2,00,00,00,40,30,00,00,00,00,40,93,E8,00,00,6113
 4150 DATA 00,40,63,76,80,00,00,40,C1,93,00,00,00,D1,C2,11156
 4160 DATA B9,00,00,94,6B,89,00,00,95,99,76,80,00,9514
 4170 DATA 00,CA,61,63,00,00,90,C1,C2,00,00,60,40,95,8415
 4180 DATA 98,00,00,00,D1,6E,60,00,00,D1,E8,00,00,00,7147
 4190 DATA 40,F6,33,00,00,00,40,33,63,00,00,00,40,93,D3,9050
 4200 DATA 80,00,00,40,61,4F,80,00,00,40,D5,0D,00,00,6128
 4210 DATA C1,C2,FF,00,00,00,93,63,C0,00,00,80,77,8B,C2,13334
 4220 DATA C2,C0,02,AE,CA,63,03,12,68,40,F7,8B,3C,6C,E2,13505
 4230 DATA AF,F1,F7,85,B7,E2,AE,5A,8F,8E,EA,00,D5,0D,00,13761
 4240 DATA 5D,68,00,40,AE,5D,EA,42,00,00,D5,EA,62,00,00,10867
 4250 DATA 00,D1,89,C2,00,00,00,40,30,60,00,00,00,40,93,5747
 4260 DATA E8,00,00,40,93,63,00,00,40,93,89,00,00,8622
 4270 DATA 00,D1,C2,33,00,00,00,94,C1,83,00,00,95,93,10728
 4280 DATA 63,00,00,C4,33,C2,00,00,00,90,C3,00,00,7452
 4290 DATA 40,40,6E,60,00,00,40,87,98,00,00,00,D1,28,11097
 4300 DATA 00,00,40,F6,33,00,00,00,40,33,63,00,00,5910
 4310 DATA 40,93,D3,00,00,00,40,61,4F,80,00,00,40,D5,0D,7519
 4320 DATA 80,00,00,C1,C2,FF,00,00,00,93,63,C0,00,00,11151
 4330 DATA 77,8B,C2,C2,C0,02,AE,CA,63,03,12,68,40,F7,8B,13289
 4340 DATA 3C,6C,E2,AF,F1,F7,85,B7,E2,AE,5A,8F,8E,EA,00,17748
 4350 DATA D5,0D,0E,5D,68,00,40,AE,5D,EA,42,00,00,D5,EA,11893
 4360 DATA 62,00,00,D1,89,C2,00,00,00,40,30,60,00,5373
 4370 DATA 00,C1,76,63,00,00,00,C1,33,33,C2,00,00,40,63,7614
 4380 DATA 91,62,00,00,C1,62,73,62,00,00,91,91,93,C2,00,10067
 4390 DATA 00,93,93,63,00,00,40,69,C3,C2,00,00,40,6E,95,9959
 4400 DATA 98,00,00,40,6E,34,6E,60,00,00,87,98,C0,C0,11230
 4410 DATA 00,D1,E8,00,00,00,40,F6,33,00,00,00,40,33,63,7156
 4420 DATA 00,00,40,93,D3,00,00,40,61,4F,80,00,00,6554
 4430 DATA 40,D5,0D,00,00,00,C1,C2,FF,00,00,00,93,63,C0,12070
 4440 DATA 00,00,80,77,8B,C2,C2,C0,02,AE,CA,63,03,12,68,11256
 4450 DATA 4D,F7,8B,3C,6C,E2,AF,F1,F7,85,B7,E2,AE,5A,8F,17849
 4460 DATA 8E,EA,00,D5,0D,0E,5D,68,00,40,AE,5D,EA,42,00,9542
 4470 DATA 00,D5,EA,62,00,00,00,D1,89,C2,00,00,00,40,30,7600
 4480 DATA 30,00,00,40,93,93,00,00,00,40,93,93,00,9298
 4490 DATA 00,C1,76,C3,63,80,00,91,C3,C1,93,80,40,76,63,12928
 4500 DATA C1,FC,00,40,93,C2,91,83,00,40,C3,00,D4,63,00,14962
 4510 DATA 40,6E,60,C1,92,80,40,87,98,94,6E,60,40,C0,C0,14426
 4520 DATA D1,3D,C8,00,00,00,00,D4,E2,00,00,40,33,F9,00,9660
 4530 DATA 00,00,40,93,33,00,00,00,40,E3,63,00,00,00,40,7262
 4540 DATA 8F,92,00,00,00,40,0E,EA,00,00,00,FF,C1,C2,12457
 4550 DATA 40,40,00,C0,93,63,01,C0,C1,C1,77,8B,94,21,83,11912
 4560 DATA 93,C5,5D,D1,9C,3C,77,FB,8E,D1,7B,4A,FB,F2,5F,16954
 4570 DATA 40,D5,4D,4F,AS,5D,00,94,AE,0D,0E,EA,00,81,D5,11647
 4580 DATA AE,5D,00,40,91,D5,EA,00,00,00,C1,76,E2,00,10723
 4590 DATA 00,00,30,30,00,00,00,00,76,63,00,00,00,41,89,5510
 4600 DATA C2,82,00,00,54,63,C3,63,00,00,11,82,41,89,28,0057
 4610 DATA 11,76,41,36,A2,00,41,83,00,97,28,00,63,7542
 4620 DATA 00,44,2A,00,41,C3,00,10,00,00,10,9D,00,00,20,4922
 4630 DATA 00,64,7B,00,00,00,00,00,D4,E2,00,00,00,40,5410
 4640 DATA 33,F9,00,00,40,93,33,00,00,00,40,E3,63,00,9595
 4650 DATA 00,00,40,8F,92,00,00,00,0E,EA,00,00,00,40,7063
 4660 DATA FF,C1,C2,40,00,40,C0,93,63,01,C0,C1,C1,77,8B,14599
 4670 DATA 94,21,03,93,C5,5D,D1,9C,3C,77,FB,8E,D1,7B,4A,14845
 4680 DATA FB,F2,5F,40,D5,4D,4F,AS,5D,00,94,AE,0D,0E,EA,11242

4690 DATA 00,81,D5,AE,5D,00,00,40,91,D5,EA,00,00,00,C1,10656
 4700 DATA 76,E2,00,00,00,10,30,00,00,00,00,54,63,00,2705
 4710 DATA 00,00,89,93,00,00,00,00,63,82,00,00,00,00,76,4425
 4720 DATA 41,A2,00,00,00,76,97,28,00,00,89,66,2A,00,5743
 4730 DATA 00,00,93,92,80,00,00,00,41,82,20,00,00,00,64,4686
 4740 DATA 2A,00,00,00,10,9D,A2,00,00,00,00,00,D4,E2,00,7303
 4750 DATA 00,00,40,33,F9,00,00,00,40,93,33,00,00,40,6566
 4760 DATA E3,63,00,00,40,8F,92,00,00,00,00,40,0E,EA,00,9298
 4770 DATA 00,00,40,FF,C1,C2,40,00,00,C0,93,63,01,C0,C1,13028
 4780 DATA C1,77,8B,94,21,83,93,C5,5D,D1,9C,3C,77,FB,8E,14869
 4790 DATA D1,7B,4A,FB,F2,5F,40,D5,4D,4F,AS,5D,00,94,AE,12782
 4800 DATA 0D,0E,EA,00,81,D5,AE,5D,00,00,40,91,D5,EA,00,12615
 4810 DATA 00,00,C1,76,E2,00,00,00,10,30,00,00,00,54,3300
 4820 DATA 63,00,00,00,93,63,00,00,00,00,76,63,00,00,3815
 4830 DATA 00,00,33,41,A2,00,00,00,73,82,20,00,00,00,93,5493
 4840 DATA 63,2A,00,00,00,41,33,80,00,00,00,00,C3,20,00,4381
 4850 DATA 00,00,10,9D,00,00,00,00,64,7B,00,00,00,00,2410
 4860 DATA D4,E2,00,00,40,33,F9,80,00,00,40,93,33,00,8542
 4870 DATA 00,00,E3,63,00,00,00,40,8F,92,00,00,00,40,7400
 4880 DATA 0E,EA,00,00,40,FF,C1,C2,40,00,40,C0,93,63,12124
 4890 DATA 01,C0,C1,C1,77,8B,94,21,83,93,C5,5D,D1,9C,3C,13483
 4900 DATA 77,FB,8E,D1,7B,4A,FB,F2,5F,40,D5,4D,4F,AS,5D,10281
 4910 DATA 00,94,AE,0D,0E,EA,00,81,D5,AE,5D,00,00,40,91,11134
 4920 DATA D5,EA,00,00,C1,76,E2,00,00,00,10,30,00,00,4241
 4930 DATA 00,00,93,89,82,00,00,41,33,33,82,00,00,11,22,6080
 4940 DATA 93,00,00,00,11,83,11,82,00,00,41,63,22,22,00,4564
 4950 DATA 00,93,63,63,00,00,00,41,C3,96,00,00,00,64,6162
 4960 DATA 2A,9D,00,00,10,9D,30,9D,00,00,00,00,64,7B,5240
 4970 DATA 00,00,00,D4,E2,00,00,00,40,33,F9,80,00,00,40,7305
 4980 DATA 93,33,00,00,40,E3,63,00,00,40,8F,92,00,9816
 4990 DATA 00,00,40,0E,EA,00,00,00,FF,C1,C2,40,00,40,10281
 5000 DATA C0,93,63,01,C0,C1,C1,77,8B,94,21,83,93,C5,5D,12800
 5010 DATA D1,9C,3C,77,FB,8E,D1,7B,4A,FB,F2,5F,40,D5,4D,15393
 5020 DATA 4F,AS,5D,00,94,AE,0D,0E,EA,00,81,D5,AE,5D,00,12583
 5030 DATA 00,40,91,D5,EA,00,00,00,C1,76,E2,00,00,00,10,7819
 5040 DATA 30,20,00,00,40,89,82,00,00,00,89,33,82,00,6714
 5050 DATA 00,41,63,66,63,00,00,11,C3,41,93,00,00,54,89,9389
 5060 DATA 41,76,22,00,11,83,00,93,82,00,41,76,00,41,82,7831
 5070 DATA 00,10,C3,60,64,2A,00,64,3E,10,9D,42,00,00,79,9443
 5080 DATA 00,00,10,9D,40,84,9D,28,40,C0,80,64,3E,3F,12231
 5090 DATA 64,3E,79,00,00,00,00,00,10,D8,28,10,10,28,4177



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5100 DATA 40,C0,80,64,3E,F3,64,3E,79,00,00,00,00,00,4213
5110 DATA 10,B5,28,10,8C,28,40,C0,80,64,3E,F3,64,3E,79,11714
5120 DATA 00,00,00,00,00,00,50,9D,28,10,9D,00,40,C0,80,8757
5130 DATA 64,3E,F3,64,3E,79,00,00,00,00,00,00,01,00,79,3407
5140 DATA 00,14,00,00,02,00,B6,00,28,00,00,00,00,00,1440
5150 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5160 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5170 DATA 00,00,40,C0,80,00,00,00,D1,F2,C2,00,00,94,9078
5180 DATA 6E,60,00,00,C0,C0,98,00,00,D1,8F,95,08,12040
5190 DATA 00,00,C5,0E,80,00,00,85,5D,60,00,00,00,05,6791
5200 DATA BA,98,00,80,40,60,64,6E,68,42,C0,98,9D,FF,C0,15851
5210 DATA 29,03,46,3F,0E,EA,86,3C,3D,FF,E7,40,F3,A7,05,17536
5220 DATA F3,A5,EA,00,00,00,00,00,00,00,00,00,00,00,633
5230 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5240 DATA 00,00,00,00,00,00,00,00,00,00,00,40,C0,80,00,4288
5250 DATA 00,C1,F1,E2,00,00,00,90,9D,68,00,00,40,64,C0,9309
5260 DATA C0,00,00,40,6A,4F,E2,00,00,00,40,0D,C0,80,5574
5270 DATA 00,00,00,EA,4A,00,00,00,64,75,EA,00,90,9D,96,10737
5280 DATA 90,00,40,C4,FF,6E,64,C0,81,DS,40,3F,89,83,16,10761
5290 DATA 84,0B,FF,3E,3C,79,05,5A,F3,EA,58,F3,40,AE,8F,16333
5300 DATA DA,0E,EA,40,7D,0C,0F,5D,00,40,42,FF,0C,EA,00,10226
5310 DATA 00,C0,93,FF,00,00,00,40,F6,33,C2,00,00,40,83,9916
5320 DATA 63,C2,C0,00,40,33,C2,63,09,00,40,93,93,89,9D,13306
5330 DATA 00,40,64,C1,83,C4,00,00,9D,C1,63,C4,40,64,7B,13476
5340 DATA C0,C2,00,00,00,00,00,00,00,00,00,00,00,00,482
5350 DATA D5,0D,E5,4F,5D,00,40,AE,0F,0C,BE,80,0D,05,0C,9795
5360 DATA FF,81,00,00,40,FF,63,C0,00,00,00,C1,C3,3F,0A,00,10997
5370 DATA C0,C1,93,73,00,00,E6,93,C1,33,00,00,6E,76,63,11276
5380 DATA 63,00,00,C0,73,C2,98,00,00,C0,83,C2,6E,60,00,11938
5390 DATA 60,C1,C0,87,98,00,00,00,00,00,00,00,00,00,00,2374
5400 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,4244
5410 DATA 58,79,00,00,C0,00,CF,A3,00,00,00,00,00,E7,42,00,6822
5420 DATA 00,C0,00,0F,48,20,00,C0,00,8E,EA,20,00,C0,00,8679
5430 DATA B6,90,A3,00,C0,00,29,81,F3,02,C0,00,42,C0,79,11251
5440 DATA A3,C0,00,00,42,16,F3,C0,00,00,16,94,79,C0,00,9164
5450 DATA 00,79,81,79,C0,00,00,B6,81,A2,C0,00,00,42,16,8360
5460 DATA A2,C0,00,00,81,79,A2,C0,00,00,94,F3,C0,00,10278
5470 DATA 00,85,DB,00,00,00,00,84,4A,A2,C0,00,00,00,00,905
5480 DATA A2,C0,00,00,E2,EA,A2,C0,00,00,79,F3,A2,C0,00,12905
5490 DATA 00,16,79,A2,C0,00,00,81,16,79,00,00,00,64,28,7508
5500 DATA 03,C0,00,C0,C0,C0,C0,C0,C0,C0,C0,C0,C0,C0,15552
5510 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5520 DATA 00,00,00,00,00,00,C0,C0,C0,C0,00,00,00,C0,C0,11520
5530 DATA 00,00,00,C0,00,01,00,00,C0,14,16,00,00,00,00,2751
5540 DATA C0,58,79,00,00,C0,CF,A3,00,00,00,00,C0,E7,42,10469
5550 DATA 00,00,00,C0,0F,48,00,00,00,C0,8E,EA,00,00,00,7230
5560 DATA C0,B6,90,00,00,00,C0,29,81,00,00,00,C0,42,C0,8791
5570 DATA 00,00,C0,00,42,00,00,00,C0,00,16,00,00,00,2876
5580 DATA C0,00,79,00,00,00,C0,00,B6,00,00,00,C0,42,6078
5590 DATA 00,00,00,C0,00,81,00,00,00,C0,00,94,00,00,00,4577
5600 DATA C0,00,85,00,00,C0,00,84,00,00,00,C0,00,00,00,7765
5610 DATA 00,00,C0,C0,E2,00,00,00,C0,00,79,00,00,00,4660
5620 DATA C0,00,16,00,00,00,C0,00,81,00,00,00,00,00,2228
5630 DATA 00,00,00,00,00,C0,C0,00,00,00,00,C0,C0,00,7296
5640 DATA 00,00,00,C0,00,00,00,00,00,C0,00,00,00,00,2688
5650 DATA 00,C0,00,00,00,00,00,C0,00,00,00,00,00,C0,00,4032
5660 DATA 00,00,00,00,C0,00,00,00,00,00,C0,00,00,00,2688
5670 DATA 00,C0,00,00,00,00,02,C0,00,00,00,00,A3,C0,00,6000
5680 DATA 00,00,00,F3,C0,00,00,00,79,C0,00,00,00,00,4506
5690 DATA 79,C0,00,00,00,00,A2,C0,00,00,00,00,A2,C0,00,6948
5700 DATA 00,00,00,A2,C0,00,00,00,00,00,C0,00,00,00,3174
5710 DATA 00,C0,00,00,00,00,A2,C0,00,00,00,00,A2,C0,00,6948
5720 DATA 00,00,00,A2,C0,00,00,00,00,00,A2,C0,00,00,4632
5730 DATA A2,00,C0,C0,00,40,79,40,80,40,80,C0,00,00,7446
5740 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5750 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5760 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5770 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5780 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5790 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5800 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5810 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5820 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5830 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5840 DATA 00,00,00,C0,00,40,C0,C0,00,40,C0,C0,40,80,9984
5850 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5860 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5870 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5880 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5890 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5900 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5910 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5920 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5930 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5940 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5950 DATA 00,00,00,00,00,00,C0,C0,00,00,00,00,00,40,50,5120
5960 DATA 00,00,00,00,00,00,00,D4,E2,00,00,00,40,33,F9,00,9199
5970 DATA 00,00,40,93,33,80,00,00,00,E3,63,80,00,40,7262
5980 DATA 8F,92,00,00,00,00,00,EA,50,00,00,00,FF,C1,C2,12457
5990 DATA 40,00,40,C0,93,63,81,C0,C1,C1,77,8B,94,21,43,12680
6000 DATA 93,C5,D0,9C,3C,77,FB,8E,D1,78,4A,FB,F2,5F,16954
6010 DATA 40,D5,4D,4F,A5,5D,00,94,AE,0D,0E,EA,00,81,D5,11647
6020 DATA AE,5D,00,00,00,D1,89,63,00,00,00,D1,33,C3,C0,12611
6030 DATA 00,00,91,63,91,C6,00,00,00,C1,63,76,66,00,90,8910
6040 DATA C0,D3,02,00,40,64,6A,93,C2,00,90,9D,E2,C1,C0,15456
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6060 DATA 16,42,00,81,80,00,00,00,00,00,00,00,00,00,905
6070 DATA 00,00,00,00,40,E2,00,D1,F3,00,94,86,00,81,29,10526
6080 DATA 00,40,42,00,00,00,00,00,00,00,30,00,00,87,98,4080
6090 DATA 30,00,00,30,CC,3F,3C,F3,F3,F3,3C,3F,CC,30,14637
6100 DATA 55,1F,28,84,85,28,40,C0,00,50,3E,F3,AF,3E,79,12484
6110 DATA 00,00,00,00,00,00,00,10,AF,28,10,58,28,40,C0,80,8161
6120 DATA 24,84,F3,75,1E,79,00,00,00,00,00,00,10,D0,9A,4947
6130 DATA 10,8C,40,40,C0,64,58,F3,64,AF,79,00,00,00,9201
6140 DATA 00,00,00,10,9D,AA,10,9D,00,80,48,C0,64,2E,F1,11861
6150 DATA 64,7F,58,00,00,00,00,00,00,00,00,00,00,00,309
6160 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6170 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6180 DATA 00,40,9E,CA,00,C5,79,6D,80,8E,79,2C,8A,5D,16,10629
6190 DATA 57,05,AA,01,00,AA,01,00,00,00,00,00,00,00,4589
6200 DATA 81,80,00,90,EE,BA,80,CA,1D,4C,80,95,1E,1F,100,10972
6210 DATA 00,00,00,00,40,E2,D1,F3,94,86,81,29,40,42,00,10530
6220 DATA 94,E2,40,00,00,00,00,00,00,40,3F,79,81,80,00,6103
6230 DATA 00,00,00,00,40,CC,CC,94,00,00,00,00,00,40,5456
6240 DATA 30,30,D1,00,00,00,00,00,40,8F,C2,64,80,00,7854
6250 DATA 00,00,00,40,0E,EA,9D,00,00,00,00,00,00,00,4749
6260 DATA FF,C1,D3,C0,00,00,00,00,00,00,C0,93,63,93,00,9619
6270 DATA 00,00,00,00,00,C1,77,8B,91,68,40,00,C0,00,80,808



DATAS2.BAS

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6280 DATA C1,62,8E,EB,E3,C1,80,79,80,40,91,FF,E7,48,B3,16644
6290 DATA C2,C2,3E,E2,85,D5,F3,A5,EA,39,63,91,C4,6A,AE,16342
6300 DATA 8F,DA,0E,EB,3B,B3,33,32,80,D5,0C,0F,5D,91,99,11107
6310 DATA F3,33,C2,00,40,FF,0C,EA,63,61,33,63,80,00,00,8480
6320 DATA C0,FF,C1,C2,C0,C3,C2,00,00,00,00,00,00,00,4130
6330 DATA 00,00,00,00,00,00,00,55,0D,00,00,00,00,04,5B,2025
6340 DATA A2,00,00,00,10,9D,28,00,00,00,40,C0,80,00,00,5377
6350 DATA 00,E2,4F,A2,00,00,51,68,0D,8A,00,00,14,42,AE,6964
6360 DATA 0A,00,00,01,30,D5,AA,A2,00,10,CC,30,80,28,00,8182
6370 DATA 44,FF,98,90,02,01,55,4D,6E,21,03,BE,04,DB,FF,11815
6380 DATA 9C,3C,59,55,5A,F3,EA,5B,DB,55,0D,E5,4F,5D,00,11432
6390 DATA 51,AE,0F,0C,BE,00,14,F7,0C,FF,01,00,01,68,FF,10184
6400 DATA C4,00,00,00,42,B7,98,00,00,00,00,C0,80,00,00,5739
6410 DATA 00,00,3E,A2,00,00,00,00,9D,3A,00,00,00,00,64,3788
6420 DATA 71,00,00,00,00,10,5B,00,00,00,00,55,4D,00,00,2485
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6460 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6470 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6480 DATA 0E,AA,00,00,00,51,A7,08,00,00,00,14,6E,20,00,3589
6490 DATA 00,00,40,C0,80,00,00,00,51,8F,D1,00,00,00,45,6207
6500 DATA 0E,94,A2,00,00,05,5D,81,28,00,51,55,EA,30,02,7483
6510 DATA 00,14,40,30,CC,20,02,01,60,64,FF,88,7D,03,12,8792
6520 DATA 9D,8E,AA,A6,3C,6C,FF,E7,08,E7,A7,D5,F3,A5,AA,18504
6530 DATA 00,AE,8F,DA,0E,AA,00,7D,0C,0F,5D,A2,00,02,FF,9434
6540 DATA 0C,FB,28,00,00,C8,FF,94,02,00,00,64,7B,81,00,8166
6550 DATA 00,00,40,C0,00,00,00,00,51,3D,00,00,00,00,35,2643
6560 DATA 6E,00,00,00,00,B2,98,00,00,00,00,A7,20,00,00,4023
6570 DATA 00,00,8E,AA,00,00,00,00,87,08,00,00,00,00,0E,2142
6580 DATA AA,00,00,00,00,05,A2,00,00,00,00,51,38,00,00,2560
6590 DATA 00,00,14,3C,2A,00,00,00,00,3D,88,00,00,00,00,2297
6600 DATA 6E,20,00,00,00,00,98,00,00,00,00,00,00,00,944
6610 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6620 DATA 00,01,00,00,14,16,00,00,5B,79,00,00,CF,A3,00,6611
6630 DATA 00,E7,42,00,00,8F,48,20,00,8E,EA,20,00,B6,90,10086
6640 DATA A3,00,29,81,F3,02,42,C0,79,A3,00,42,16,F3,00,9775
6650 DATA 16,94,79,00,79,81,79,00,B6,81,A2,00,42,16,A2,9828
6660 DATA 00,81,79,A2,00,94,F3,00,00,85,DB,00,00,84,4A,9194
6670 DATA A2,00,D5,48,A2,00,E2,EA,A2,00,79,F3,A2,00,16,11715
6680 DATA 79,A2,00,81,16,79,00,64,2B,03,00,00,00,00,00,2313
6690 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6700 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6710 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6720 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6730 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6740 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6750 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6760 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6770 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0

```



```

10 '
20 ' DATAS pour SKYWAR2.DEC
30 '
40 MODE 2:AD=&C000:NL=110
50 FOR B=1 TO 354:TOT=0:FOR T=0 TO 14:READ A$
60 POKE AD,VAL("&"+A$):TOT=TOT+(PEEK(AD)*T):AD=AD+1
70 NEXT:READ SOM:IF SOM<>TOT THEN 90
80 NL=NL+10:NEXT:SAVE"SKYWAR2.DEC",B,&C000,&1484:CLS:END
90 CLS:LOCATE 1,1:PRINT"LIGNE";NL;"INCORRECTE":END
100 '
110 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
120 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
130 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
140 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
150 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
160 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,80,00,3328
170 DATA 40,40,40,C2,40,C2,C1,C1,C1,63,C1,63,93,93,33,14352
180 DATA B3,33,B3,62,73,C3,33,73,63,D5,93,C2,C3,93,77,15479
190 DATA EA,91,EA,62,C1,62,D5,D1,D5,D7,C2,77,AE,8B,EA,19593
200 DATA C0,91,EA,59,4B,D5,D5,91,D5,AF,EA,0E,AE,EB,AE,17890
210 DATA D5,0C,A7,5D,48,0D,C0,AE,D5,84,0E,D5,D5,0C,EA,14711
220 DATA 0D,A7,AE,84,5B,48,5B,F3,0D,C0,C0,C0,C0,C0,17234
230 DATA 0E,EA,55,0E,FF,80,0E,EA,AF,5D,85,EA,0E,FF,0E,13648
240 DATA EA,AE,5F,0E,AF,5D,80,D5,0D,0E,0E,EA,00,40,AE,10042
250 DATA 0E,5D,80,00,00,D5,0E,EA,00,00,00,40,0E,EA,00,7050
260 DATA 00,00,00,0E,EA,00,00,00,00,0E,EA,00,00,00,00,3444
270 DATA 05,5D,80,00,00,00,05,5D,80,00,00,00,85,5D,80,6651
280 DATA 00,00,00,AF,5D,80,00,00,00,0F,5D,80,00,00,00,4010
290 DATA 0D,5D,80,00,00,00,AF,5D,80,00,00,00,85,5D,80,7671
300 DATA 00,00,00,05,5D,80,00,00,00,05,5D,80,00,00,00,3410
310 DATA 0E,AA,00,00,00,00,0E,AA,00,00,00,00,0E,AA,00,3822
320 DATA 00,00,00,0E,FF,00,00,00,00,0E,AF,AA,00,00,55,5998
330 DATA 0E,AE,5F,00,00,AF,0E,FF,0D,AA,55,0E,0E,AA,AE,10560
340 DATA 0A,AF,5D,0E,AA,55,D5,0E,AA,0E,AA,00,AF,5D,00,9379
350 DATA 05,5D,00,00,00,00,05,5D,00,00,00,00,05,5D,00,2043
360 DATA 00,00,00,AF,5D,00,00,00,00,0F,5D,00,00,00,00,1962
370 DATA 0D,5D,00,00,00,00,AF,5D,00,00,00,00,05,5D,00,3063
380 DATA 00,00,00,05,5D,00,00,00,00,05,5D,00,00,00,00,1362
390 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
400 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
410 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
420 DATA 00,00,00,00,00,00,00,00,00,00,00,00,93,A2,00,3561
430 DATA 00,33,C1,91,00,00,11,F3,62,73,82,00,11,B3,C2,11041
440 DATA 73,22,00,33,63,C0,93,A2,00,33,82,F0,C1,22,00,10716
450 DATA 63,00,0F,A0,22,00,22,00,0C,0A,22,00,82,00,FF,6506
460 DATA 0B,22,00,22,00,C0,AA,82,00,00,55,0F,AA,00,00,6081
470 DATA 00,85,F1,E0,00,00,00,85,5A,E0,00,00,00,85,0C,6851
480 DATA 4A,00,00,00,84,FF,48,00,00,00,D5,C0,EA,00,00,9285
490 DATA 00,C0,5B,C0,00,00,00,D5,5A,E2,00,00,00,85,0F,7134
500 DATA E0,00,00,00,85,0C,4A,00,00,00,84,FF,48,00,00,6025
510 DATA 00,D5,C0,EA,00,00,00,C0,0F,C0,00,00,40,AF,F0,10894
520 DATA 4A,00,00,40,5A,F3,E0,00,00,40,0F,F1,4A,00,00,7376
530 DATA 40,0D,0F,48,00,00,40,AE,0C,EA,00,00,40,D5,FF,11170
540 DATA C0,00,00,40,C0,C0,C0,00,00,40,AF,0F,5F,80,00,8367
550 DATA 40,AF,F1,F5,80,00,40,0F,F3,A5,80,00,40,AF,F1,13519

```

A SUIVRE...

A expédier à : Editions SORACOM
La Haie de Pan - 35170 BRUZ

[illegible]

ATTENTION : + Port indiqué à chaque article. Si le port n'est pas indiqué : Forfait 25F jusqu'à 200F de commande ou 10% au delà de 200F.

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prendre contact avec le service commercial**

☐ **Facultatif : recommandé + 20 F par commande**
30F étranger

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PAYEZ PAR CARTE BANCAIRE

Date d'expiration _____ Signature _____

(inscrire les numéros de la carte, la date et signer)

Date _____ Signature _____

Nom : _____ Prénom : _____

Adresse : _____

Code Postal : _____ Ville : _____

ECRIRE EN MAJUSCULES

Afin de faciliter le traitement des commandes, nous remercions notre aimable clientèle de ne pas
craquer les chèques, et de ne rien inscrire au dos.

Commentaire : La commande doit comporter tous les renseignements demandés au bon de commande (désignation ou référence si celle-ci existe). Toute absence de précisions est sous la responsabilité de l'acheteur. La vente est conclue dès acceptation du bon de commande par notre société, sur les articles disponibles uniquement.

Les prix : Les prix indiqués sont valables du jour de la parution du catalogue jusqu'au mois suivant ou au jour de parution du nouveau catalogue, sauf erreur dans le libellé de nos tarifs au moment de la fabrication du catalogue, et de la validité des prix indiqués des fournisseurs.

Avertissement de prix imprévisible des marchandises :

En raison de la situation exceptionnelle et temporaire de l'évolution allant de 10 à 15 jours ouvrables, SARACOM ne pourra être tenu pour responsable des retards dus aux transports ou aux graves des services postaux.

Détournement : La marchandise voyageant sans acquiescement du destinataire, la livraison se faisant par colis postal ou par transporteur tiers. Les prix indiqués sur le bon de commande sont valables sur toute la France métropolitaine, + 20 % par envoi par Outre-mer, par avion et au-dessus de 5 kg nous nous réservons la possibilité d'ajuster le prix de transport en fonction du coût réel de celui-ci.

Réglementation : Pour bénéficier de recours possible nous invitons notre clientèle désignée à opter pour l'envoi par recommandé. A réception des acquits, vous devez retourner votre lettre d'avis.

Règlement : Toute réclamation doit intervenir dans les dix jours suivants la réception des marchandises.

TRACE COURBES

Bertrand JOUIN

Valable pour CPC 664 - 6128

TRACE-C, comme son nom l'indique permet de tracer des courbes définies par l'utilisateur. Ces courbes peuvent être représentées soit en coordonnées rectangulaires soit en coordonnées polaires.

De ce fait, Trace-C gère 4 pages graphiques, totalement indépendantes (Coordonnées, Fonction, Ensemble de définition). De plus, je crois que TRACE-C est le seul programme BASIC, entièrement géré par menus déroulants !

Mais commençons par le commencement : pour choisir une option, il suffit de se déplacer avec les touches fléchées haut et bas, et de valider avec la touche RETURN (ou ENTER). TRACE-C possède 4 pages graphiques distinctes :

- 2 pages graphiques en coordonnée rectangulaire (coordonnée X, Y) - et 2 pages graphiques en coordonnée polaire (coordonnée ρ , θ). Ces 4 pages graphiques sont complètement indépendantes les unes des autres. Passons à la description de chaque partie :

• **Exécution de la fonction** : trace la fonction graphique. Après avoir choisi l'écran ainsi que la ou les fonctions, on choisit celle-ci en validant avec la touche RETURN (il apparaît un petit signe qui signifie que la fonction est sélectionnée) et on passe au traçage en allant sur FIN. Lors du traçage, toute pression sur la touche TAB permet de stopper l'exécution de la fonction. En Haut de la page graphique apparaît un menu :

Les flèches permettent de déplacer le repère d'un certain nombre de graduations (modifiable dans le menu Options (Décalage)). Les touches -, + permettent de faire un zoom. La touche P permet d'afficher un curseur qui se déplace grâce aux flèches. Les coordonnées du point en X et en Y s'affichent au bas de l'écran. Si l'on presse la touche TAB, le déplacement se fait plus rapidement (et par une autre pression, on retourne au déplacement normal). Ici aussi, si l'on appuie sur les touches + et -, il y a un zoom, et un recentrage de l'écran sur le point.

Si on appuie sur la touche RETURN, on revient au menu précédent. La touche Z permet de faire un zoom boîte, cette option fonctionne de la même manière que l'option P sauf qu'il suffit d'appuyer sur ESPACE pour positionner les coins de la fenêtre. Revenons au premier menu (les flèches, zoom, point, zoom boîte). Il suffit d'appuyer sur RETURN pour revenir au menu principal, et sur TAB pour passer au traçage de la fonction suivante (s'il y en a une).

• **Introduction de la fonction**, permet d'introduire une nouvelle fonction. Il faut choisir la page graphique, et aussi l'emplacement de la nouvelle fonction.

Cette fonction doit être en fonction de X (exp. : $\sin(X)$), si on a choisi une page graphique en coordonnées rectangulaires, ou en fonction de t (exp. : $\sin(t)$), si on a choisi une page graphique en coordonnées polaires.

On valide l'emplacement par la touche RETURN, et l'on tape la fonction (attention aux fautes de syntaxe, elle est identique à celle du BASIC.). Lorsque l'on a fini d'introduire la ou les fonctions, on va sur FIN et l'on valide. Un petit peu de patience et l'on retourne dans le menu principal.

• **Impression de la fonction**, permet l'impression de la fonction.

Il faut encore choisir la page graphique désirée et aussi la densité de l'impression. Préparez l'imprimante et appuyez sur une touche quelconque

• **Ensemble de définition**, permet de définir l'ensemble de définition pour chaque page graphique. X minimum : définit le plus petit X affichable (par exp. : si X minimum = -1, alors toutes les coordonnées inférieures à -1, ne pourront pas être affichées (de même pour le reste des coordonnées)). Il est aussi possible de définir la valeur de chaque graduation en X et en Y. De plus, pour les coordonnées po-

lares, il est possible de définir l'ensemble de définition des angles.

Exemple en coordonnées rectangulaires : entrer la fonction $F(x) = \sin(x)$ (dans Introduction de la fonction) ensuite aller dans Ensemble de définition et entrer (de la même manière que introduction de la fonction) :

- X minimum _____ : -720
 - X maximum _____ : 720
 - graduation X _____ : 90
 - Y minimum _____ : -1.5
 - Y maximum _____ : 1.5
 - graduation Y _____ : 1
- et visualiser le résultat dans Exécution de la fonction

• **Options**, permet de définir différentes options lors du tracé de courbe. Il fonctionne sur le même principe que l'ensemble de définition.

• **Décalage** permet de définir le nombre de graduation pour déplacer le repère lors du tracé de courbe (avec les flèches).

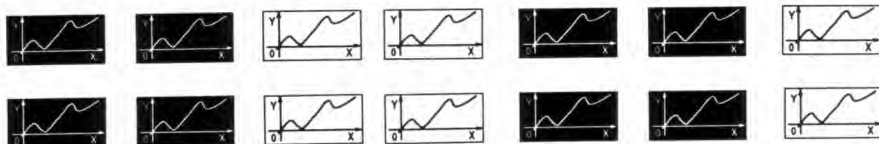
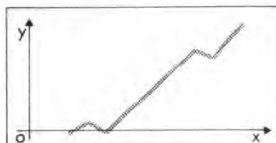
• **Facteur d'agrandissement** permet de déterminer le facteur du zoom (avec les touches +, -).

• **Ligne, Point**, permet si l'option Ligne est sélectionnée (affichage d'un petit caractère) le tracé de la courbe, en une suite de lignes,

ou si l'option Point est sélectionnée, point par point.

• **Pas Infos, Infos**, permet lors du tracé, l'impression de toutes les coordonnées des points, si l'option Infos est sélectionnée.

Bonnes Courbes !!



TRACE - C . B A S : T - C . B A S

```

10 '*****
20 'a
30 'a Trace Courbe
40 'a
50 'a par Jouin Bertrand
60 'a
70 '*****
80 '
90 MODE 2:INK 0,0:INK 1,0:BORDER 0
100 SYMBOL AFTER 240
110 SYMBOL 240,255,128,158,144,144,128,128,128
120 SYMBOL 241,255,1,121,9,9,1,1,1
130 SYMBOL 242,1,1,1,9,9,121,1,255
140 SYMBOL 243,128,128,128,144,144,158,128,255
150 SYMBOL 244,0,0,0,0,0,0,0,255
160 SYMBOL 245,255,0,0,0,0,0,0,0
170 SYMBOL 246,128,128,128,128,128,128,128,128
180 SYMBOL 247,1,1,1,1,1,1,1,1
190 SYMBOL 250,2,2,4,4,8,72,48,16
200 SYMBOL 251,24,60,126,255,24,24,24,24
210 SYMBOL 252,24,24,24,24,24,255,126,60,24
220 SYMBOL 253,16,48,112,255,255,112,48,16
230 SYMBOL 254,8,12,14,255,255,14,12,8
240 OPENOUT "GOLIOJUN.IOR":MEMORY &6FFF:CLOSEOUT
250 LOAD "t-cpre",&7000
260 CALL &7000
270 INK 1,26
280 RUN "t-c

```

```

10 '*****
20 'a
30 'a Trace Courbe
40 'a
50 'a par Jouin Bertrand
60 'a
70 '*****
80 '
90 '*****
100 ' Initialisation
110 '*****
120 '
130 DEG
140 IF PEEK(&7000)=&F0 THEN 200
150 ON ERROR GOTO 290
160 MEMORY &6FFF:LOAD "t-cpre.bin",&0000
170 LOAD "t-ctable",&0000
180 LOAD "t-cmenu",&7000
190 CALL &0000
200 MODE 2:INK 0,0:INK 1,26:BORDER 0:GRAPHICS PEN 1
210 DIM fonct$(10,4),fonct(10,4),x1(4),y1(4),x2(4),y2(4)
220 'gradx(4),grady(4),angle1(4),angle2(4),x(15),y(15):WID
230 'TH 255
240 FOR e=1 TO 4:x1(e)=-10:x2(e)=10:y1(e)=-10:y2(e)=10:
250 gradx(e)=1:grady(e)=1:angle1(e)=0:angle2(e)=180:NEXT e
260 fac=0.5:decal=2:pasx=1:pasx=2:point=1:infos=1
270 '240 '
280 '*****
290 ' Menu principal

```



```

270 '=====
280 '
290 RESTORE 2210:a=1:buffer=&8800
300 WINDOW 1,80,1,25
310 GOSUB 2850
320 ON a GOSUB 390,1510,1690,1360,1990
330 GOTO 290
340 '
350 '=====
360 ' Traceur de courbes
370 '=====
380 '
390 a=1:RESTORE 2220:buffer=&91C9:GOSUB 2850:FERMER,1:
:FERMER,0
400 IF a=5 THEN RETURN ELSE ecran=a:a=1
410 IF ecran<3 THEN RESTORE 2270 ELSE RESTORE 2280
420 buffer=&8800
430 GOSUB 2830
440 FOR c=1 TO 10:LOCATE 18,c+9:PRINT fonct$(c,ecran):I
F fonct(c,ecran)=1 THEN LOCATE 10,c+9:PRINT CHR$(250)
450 NEXT c:reper=0
460 GOSUB 2860
470 IF a=11 THEN :FERMER,6:FERMER,7:GOTO 520
480 IF LEN(fonct$(a,ecran))=0 THEN PRINT CHR$(7):GOTO
460
490 IF fonct(a,ecran)=1 THEN fonct(a,ecran)=0 ELSE fonc
t(a,ecran)=1
500 LOCATE 10,a+9:IF fonct(a,ecran)=1 THEN PRINT CHR$(2
50) ELSE PRINT " "
510 GOTO 460
520 FOR a=1 TO 10:IF fonct(a,ecran)=1 AND LEN(fonct$(a,
ecran))>0 THEN ON a GOSUB 3090,3100,3110,3120,3130,3140
,3150,3160,3170,3180 ELSE 590
530 IF ecran<3 THEN :OUVRIR,10,10,10,&8800 ELSE :OUVRIR
,11,10,10,&8800
540 LOCATE 19,11:PRINT fonct$(a,ecran)
550 a$=INKEY$:IF a$="" THEN 550
560 :FERMER,10:FERMER,11
570 IF infos=2 THEN GOSUB 2740
580 GOTO 610
590 NEXT a
600 RETURN
610 IF reper=0 THEN GOSUB 1190
620 WINDOW 1,1,1,1
630 :CHARGER,ecran+1
640 IF ecran>2 THEN 780
650 '=====
660 ' Coord. Rectangulaire
670 '=====
680 finfos=1:flag=1:FOR x=x1(ecran) TO x2(ecran) STEP e
chex
690 IF INKEY$=CHR$(9) THEN 880
700 c=x/echex+ox
710 ly=y:y=FNy/echely+oy
720 IF infos=2 THEN IF finfos=3 THEN FOR d=1 TO 2:PRINT
#8,"X":x(d):CHR$(9):"Y":y(d):CHR$(9):NEXT d:PRIN
T #8,"X":x:CHR$(9):"Y":FNy:finfos=1: ELSE x(finfos)
=x:y(finfos)=FNy:finfos=finfos+1
730 GOSUB 1080

```

```

>RK • 740 NEXT x:GOTO 880 >NJ
>TA • 750 '===== >TC
>BD • 760 ' Coord. Polaire >TD
>NF • 770 '===== >TE
>QA • 780 finfos=1:flag=1:FOR t=angle1(ecran) TO angle2(ecran) >DK
>DP • )
>ZD • 790 IF INKEY$=CHR$(9) THEN 880 >XB
>RH • 800 d=FNy:c=(d*COS(t))/echex+ox >CM
>RJ • 810 ly=y:y=(d*SIN(t))/echely+oy >BN
>RK • 820 IF infos=2 THEN IF finfos=3 THEN FOR d=1 TO 2:PRINT >GW
>TA • #8,"t":x(d):CHR$(9):"r":y(d):CHR$(9):NEXT d:PRIN
>TB • T #8,"t":t:CHR$(9):"r":FNy:finfos=1: ELSE x(finfos)
>QM • =t:y(finfos)=FNy:finfos=finfos+1
• 830 GOSUB 1080 >QB
>GR • 840 NEXT t >QB
>TF • 850 '===== >TD
>LV • 860 ' Options >TE
>QB • 870 '===== >TF
>BP • 880 WINDOW 1,80,1,25:SAUVER,ecran+1 >FA
• 890 :OUVRIR,9,1,1,&8800 >TJ
>NA • 900 a$=INKEY$:IF a$="" THEN 900 >XA
>QH • 910 :FERMER,9 >ZF
>QB • 920 IF a$=CHR$(9) THEN WINDOW SWAP 1,0:GOTO 590 >NP
>CB • 930 IF a$="+" THEN x1(ecran)=x1(ecran)*fac:x2(ecran)=x2
(ecran)*fac:y1(ecran)=y1(ecran)*fac:y2(ecran)=y2(ecran)
>RL • *fac:reper=0:GOTO 520
• 940 IF a$="-" THEN x1(ecran)=x1(ecran)/fac:x2(ecran)=x2
(ecran)/fac:y1(ecran)=y1(ecran)/fac:y2(ecran)=y2(ecran)
>VQ • /fac:reper=0:GOTO 520
>ZC • 950 IF a$=CHR$(243) THEN x1(ecran)=x1(ecran)+decal*grad >EU
•
>GV •
>XC •
>WU •
>XK •
>ZG •
>NE •
>ZB •
>XZ •
>MJ •
>QW •
>QT •
>TB •
>TC •
>TD •
>HN •
>XA •
>NQ •
>WJ •
>FX •
>QA •

```

LA DISQUETTE 44 EST DISPONIBLE

LE MAL

NE ME
FRAPPEZ
PAS!

LE REMEDE

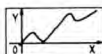


Tous les programmes des CPC Infos 49 & 50 réunis en une seule disquette, voici la solution à vos problèmes de touches.

Sur la disquette 44 vous trouverez :

- FUCKI-DEMO
- HAL +
- THE BUG
- SKYWAR
- RALF 2, et bien d'autres encore ...

Bon de commande page 38



```

x(ecran):x2(ecran)=x2(ecran)+decad*gradx(ecran):reper=0
GOTO 520
960 IF a$=CHR$(242) THEN x1(ecran)=x1(ecran)-decad*grad >EY
x(ecran):x2(ecran)=x2(ecran)-decad*gradx(ecran):reper=0
GOTO 520
970 IF a$=CHR$(241) THEN y1(ecran)=y1(ecran)-decad*grad >EE
y(ecran):y2(ecran)=y2(ecran)-decad*grady(ecran):reper=0
GOTO 520
980 IF a$=CHR$(240) THEN y1(ecran)=y1(ecran)+decad*grad >EA
y(ecran):y2(ecran)=y2(ecran)+decad*grady(ecran):reper=0
GOTO 520
990 IF a$=CHR$(13) THEN RETURN >XH
1000 IF LOWER$(a$)="p" THEN GOSUB 2340:IF flag=1 THEN 9 >JL
30 ELSE 800
1010 IF LOWER$(a$)="z" THEN GOSUB 2530:reper=0:GOTO 520 >ZD

1020 GOTO 800
1030 '
1040 '=====
1050 ' tralage
1060 '=====
1070 '
1080 IF flag=2 AND (y>200 OR y<-200) THEN 1130
1090 IF flag=2 THEN IF ly<-200 THEN MOVE c,-200:flag=0 >AA
ELSE MOVE c,200:flag=0
1100 IF y>200 THEN y=200:flag=2 ELSE IF y<-200 THEN y=- >CM
200:flag=2 ELSE y=INT(y)
1110 IF flag=1 THEN MOVE c,y:flag=0:GOTO 1130 >MP
1120 IF flag<>2 THEN IF point=2 THEN PLOT c,y ELSE DRA >CL
W c,y
1130 RETURN >EJ
1140 '
1150 '=====
1160 ' tralage du rep're
1170 '=====
1180 '
1190 reper=1:MODE 2:WINDOW 1,1,1,1:MOVE 0,0,,0:CLG:GRAP >HE
HICS PEN 1:ORIGIN 320,200
1200 echelx=(x2(ecran)-x1(ecran))/640:echely=(y2(ecran) >RU
-y1(ecran))/400:ox=-320-(x1(ecran)/echelx):oy=-200-(y1(
ecran)/echely)
1210 IF y1(ecran)>0 THEN 1260 >WL
1220 PLOT -320,oy:DRAW 320,oy:c=INT(x1(ecran)/gradx(ecr >LR
an))*-1
1230 FOR d=1 TO c:PLOT (-d*gradx(ecran))/echelx*ox,oy+4 >UP
:DRAW (-d*gradx(ecran))/echelx*ox,oy-4:NEXT d
1240 c=INT(x2(ecran)/gradx(ecran)) >DH
1250 FOR d=1 TO c:PLOT (d*gradx(ecran))/echelx*ox,oy+4: >QG
DRAW (d*gradx(ecran))/echelx*ox,oy-4:NEXT d
1260 IF x1(ecran)>0 THEN 1300 >WK
1270 PLOT ox,-200:DRAW ox,200:c=INT(y1(ecran)/grady(ecr >LQ
an))*-1
1280 FOR d=1 TO c:PLOT ox+2,(-d*grady(ecran))/echely*oy >UV
:DRAW ox-2,(-d*grady(ecran))/echely*oy:NEXT d
1290 c=INT(y2(ecran)/grady(ecran)):FOR d=1 TO c:PLOT ox >XF
+2,(d*grady(ecran))/echely*oy:DRAW ox-2,(d*grady(ecran)
)/echely*oy:NEXT d
1300 'SAUVER,ecran+1:RETURN
1310 '
1320 '=====
1330 ' ensem. de definition
1340 '=====
1350 '
1360 a=1:buffer=&91C9:RESTORE 2220:GOSUB 2850:FERMER,1 >UX
:FERMER,0:IF a=5 THEN RETURN ELSE ecran=a:a=1
1370 IF ecran>2 THEN RESTORE 2240 ELSE RESTORE 2230 >UV
1380 buffer=&8B00:GOSUB 2830 >VW
1390 LOCATE 26,11:PRINT x1(ecran):LOCATE 26,12:PRINT x2 >WX
(ecran):LOCATE 26,13:PRINT gradx(ecran):LOCATE 26,14:PR
INT y1(ecran):LOCATE 26,15:PRINT y2(ecran):LOCATE 26,16
:PRINT grady(ecran)
1400 IF ecran>2 THEN LOCATE 26,17:PRINT angle1(ecran):L >UP
OCATE 26,18:PRINT angle2(ecran)
1410 GOSUB 2860 >XE
1420 IF a=7 AND ecran<3 THEN :FERMER,2:FERMER,3:RETURN >TJ
ELSE IF a=9 THEN :FERMER,2:FERMER,3:RETURN
1430 LOCATE 26,a+10:PRINT SPACES(10):LOCATE 26,a+10 >VT
1440 INPUT "",c:IF a=1 THEN x1(ecran)=c ELSE IF a=2 THE >FN
N x2(ecran)=c ELSE IF a=3 THEN gradx(ecran)=c ELSE IF a
=4 THEN y1(ecran)=c ELSE IF a=5 THEN y2(ecran)=c ELSE I
F a=6 THEN grady(ecran)=c ELSE IF a=7 THEN angle1(ecran
)=c ELSE angle2(ecran)=c
1450 GOTO 1390 >NA
1460 '
1470 '=====
1480 ' Intro. de fonction(s)
1490 '=====
1500 '
1510 a=1:RESTORE 2220:buffer=&91C9:GOSUB 2850:FERMER,1 >UH
:FERMER,0:IF a=5 THEN RETURN ELSE ecran=a:a=1
1520 IF ecran<3 THEN RESTORE 2270 ELSE RESTORE 2280 >UZ
1530 buffer=&8B00 >MJ
1540 GOSUB 2830 >XF
1550 FOR c=1 TO 10:LOCATE 18,c+9:PRINT fonct$(c,ecran): >FA
NEXT >YC
1560 GOSUB 2860:IF a=11 THEN 1590 >ZE
1570 LOCATE 18,a+9:PRINT SPACES(40):LOCATE 18,a+9:INPUT >AH
"",fonct$(a,ecran)
1580 GOTO 1560 >ND
1590 :FERMER,6:FERMER,7 >WD
1600 OPENOUT "trace-c.dat":FOR c=1 TO 10:a$=STR$(3140+1 >RV
0*ecran+40*c)+4 def fny:="fonct$(c,ecran)":return":PR
NT 0,as:NEXT
1610 CLOSEOUT >YJ
1620 CHAIN MERGE "trace-c.dat",1630 >FW
1630 GOTO 290 >FG
1640 '
1650 '=====
1660 ' Impression
1670 '=====
1680 '
1690 a=1:RESTORE 2220:buffer=&91C9:GOSUB 2850:FERMER, >VG
1:FERMER,0:IF a=5 THEN RETURN ELSE ecran=a:a=1
1700 RESTORE 2260:buffer=&8B00:GOSUB 2850 >XZ
1710 IF a=6 THEN :FERMER,5:RETURN >CJ
1720 b=a >WF
1730 :OUVRIR,8,12,12,6964: >VU
1740 a$=INKEY$:IF a$="" THEN 1740 >ZK

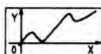
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1750 :FERMER,8:;FERMER,5
1760 PRINT #8,CHR$(27);CHR$(69);
1770 RESTORE 1930
1780 READ a$:PRINT #8,a$;y1(ecran):READ a$:PRINT #8,a$;
y2(ecran):READ a$:PRINT #8,a$;grady(ecran):READ a$:PRIN
T #8,a$;x1(ecran):READ a$:PRINT #8,a$;x2(ecran):READ a$
:PRINT #8,a$;gradx(ecran)
1790 IF ecran>2 THEN READ a$:PRINT #8,a$;angle1(ecran):
READ a$:PRINT #8,a$;angle2(ecran)
1800 PRINT #8
1810 PRINT #8,"Fonction(s) : "
1820 FOR a=1 TO 10:IF fonct(a,ecran)=1 THEN PRINT #8,"
";fonct$(a,ecran)
1830 NEXT a
1840 :CHARGER,ecran+1
1850 ON b GOSUB 1880,1890,1900,1910,1920
1860 PRINT #8
1870 RETURN
1880 :PRINT,3,&2B:RETURN
1890 :PRINT,2,&2B:RETURN
1900 :PRINT,1,&2B:RETURN
1910 :PRINT,6,&0:RETURN
1920 :PRINT,4,&0:RETURN
1930 DATA "Y minimum....:","Y maximum....:","graduation
Y.:","X minimum....:","X maximum....:","graduation X.:
","angle debut...:","angle fin....:"
1940 '
1950 '=====
1960 ' Options
1970 '=====
1980 '
1990 a=1:buffer=&91C9
2000 RESTORE 2250:GOSUB 2830
2010 LOCATE 30,11:PRINT decal:LOCATE 30,12:PRINT fac:LO
CATE 30,13:IF point=1 THEN PRINT CHR$(250) ELSE PRINT "
"
2020 LOCATE 30,14:IF point=2 THEN PRINT CHR$(250) ELSE
PRINT " "
2030 LOCATE 30,15:IF infos=2 THEN PRINT CHR$(250) ELSE
PRINT " "
2040 LOCATE 30,16:IF infos=1 THEN PRINT CHR$(250) ELSE
PRINT " "
2050 GOSUB 2860
2060 IF a=7 THEN :FERMER,4:;FERMER,0:RETURN
2070 LOCATE 30,a+10:PRINT SPACE$(5):LOCATE 30,a+10
2080 IF a>2 THEN 2110
2090 INPUT " ".c:IF a=1 THEN decal=c ELSE IF a=2 THEN fa
c=c
2100 GOTO 2010
2110 IF a=3 THEN point=1
2120 IF a=4 THEN point=2
2130 IF a=5 THEN infos=2
2140 IF a=6 THEN infos=1
2150 GOTO 2010
2160 '
2170 '=====
2180 ' Textes
2190 '=====
2200 '
>VB • 2210 DATA 0,1,1,29,5,2,2,2,3,2,4,2,5,2,6 >ET
>ZQ • 2220 DATA 1,5,5,39,5,6,6,6,7,6,8,6,9,6,10 >FB
>LD • 2230 DATA 2,10,10,28,7,11,11,11,12,11,13,11,14,11,15,11 >FP
• 16,11,17
• 2240 DATA 3,10,10,28,9,11,11,11,12,11,13,11,14,11,15,11 >WA
• 16,11,17,11,18,11,19
• 2250 DATA 4,10,10,31,7,11,11,11,12,11,13,11,14,11,15,11 >FM
• 16,11,17
• 2260 DATA 5,10,10,43,6,11,11,11,12,11,13,11,14,11,15,11 >YL
• 16
• 2270 DATA 6,9,9,48,11,10,10,10,11,10,12,10,13,10,14,10, >LE
15,10,16,10,17,10,18,10,19,10,20
• 2280 DATA 7,9,9,48,11,10,10,10,11,10,12,10,13,10,14,10, >LG
15,10,16,10,17,10,18,10,19,10,20
>UK • 2290 ' >YF
>RQ • 2300 '===== >XH
>EG • 2310 ' Option : point >XJ
>JA • 2320 '===== >XK
>FK • 2330 ' >YA
>VL • 2340 x=0:y=0:flag=0 >NW
>VL • 2350 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZT
>VB • 2360 a$=INKEY$:IF a$="" THEN 2360 >ZH
>UR • 2370 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZV
>UQ •
>GE • 2380 IF a$="-" THEN x1(ecran)=x1(ecran)+(x-ox)*echelx:x >WA
2(ecran)=x2(ecran)+(x-ox)*echelx:y1(ecran)=y1(ecran)+(y
-yoy)*echely:y2(ecran)=y2(ecran)+(y-oy)*echely:flag=1:RE
>YG • TURN
>YH •
>YJ • 2390 IF a$="+" THEN x1(ecran)=x1(ecran)+(x-ox)*echelx:x >WZ
2(ecran)=x2(ecran)+(x-ox)*echelx:y1(ecran)=y1(ecran)+(y
-yoy)*echely:y2(ecran)=y2(ecran)+(y-oy)*echely:flag=1:RE
>YK • TURN
>ZA •
>QV • 2400 IF ASC(a$)=9 THEN IF pasy=2 THEN pasy=20:pasx=10 E >XQ
>WJ • LSE pasy=2:pasx=1
>FU • 2410 IF a$=CHR$(240) THEN IF y+pasy>199 THEN 2350 ELSE >GE
y=y+pasy
>HW • 2420 IF a$=CHR$(241) THEN IF y-pasy<-199 THEN 2350 ELSE >HP
y=y-pasy
>HL • 2430 IF a$=CHR$(242) THEN IF x-pasx<-321 THEN 2350 ELSE >HX
x=x-pasx
>HM • 2440 IF a$=CHR$(243) THEN IF x+pasx>319 THEN 2350 ELSE >GZ
x=x+pasx
>XF • 2450 IF a$=CHR$(13) THEN :CHARGER,ecran+1:GRAPHICS PEN >LD
>PR • 1:RETURN
>UP • 2460 LOCATE 1,25:PRINT SPACE$(70):LOCATE 1,25:PRINT "X >UX
>NL • : "(x-ox)*echelx:TAB(40);"Y : "(y-oy)*echely
>ZU • 2470 GOTO 2350 >NA
• 2480 ' >YG
>LD • 2490 '===== >YH
>RN • 2500 ' Option : zoom boite >XK
>RR • 2510 '===== >YA
>RG • 2520 ' >YB
>RH • 2530 x=0:y=0:flag=0 >NX
>LJ • 2540 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZU
>YB •
>YC • 2550 a$=INKEY$:IF a$="" THEN 2550 >ZK
>YD • 2560 IF flag=1 THEN MOVE x,y:DRAW x(3),y,,1:DRAW x(3),y >TU
>YE • (3),,1:DRAW x,y(3),,1:DRAW x,y,,1
>XG • 2570 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZX

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2580 IF ASC(a*)=9 THEN IF pasy=2 THEN pasy=20:pasx=10 E >XA • 3000 IF ERR=11 THEN flag=1:RESUME 1130 >FE
LSE pasy=2:pasx=1 • 3010 MODE 2:PRINT ERR;" a la ligne ":ERL >LR
2590 IF a*=CHR$(240) THEN IF y+pasy>199 THEN 2650 ELSE >GT • 3020 RESUME 3030 >FK
y=y+pasy • 3030 END >YE
2600 IF a*=CHR$(241) THEN IF y-pasy<-199 THEN 2650 ELSE >HT • 3040 ' >XK
y=y-pasy • 3050 '===== >YA
2610 IF a*=CHR$(242) THEN IF x-pasx<-321 THEN 2650 ELSE >HA • 3060 ' Liste des fonctions >YB
x=x-pasx • 3070 '===== >YC
2620 IF a*=CHR$(243) THEN IF x+pasx>319 THEN 2650 ELSE >GC • 3080 ' >YD
x=x+pasx • 3090 ON ecran GOSUB 3190,3200,3210,3220:RETURN >PK
2630 IF a*=CHR$(32) THEN PRINT CHR$(7);:IF flag=1 THEN >BY • 3100 ON ecran GOSUB 3230,3240,3250,3260:RETURN >PJ
x(2)=(x-ox)*echel:x(2)=(y-oy)*echely:GOTO 2680 ELSE x( • 3110 ON ecran GOSUB 3270,3280,3290,3300:RETURN >PT
1)=(x-ox)*echel:y(1)=(y-oy)*echely:flag=1:x(3)=x:y(3)= • 3120 ON ecran GOSUB 3310,3320,3330,3340:RETURN >PG
y • 3130 ON ecran GOSUB 3350,3360,3370,3380:RETURN >PA
2640 IF a*=CHR$(13) THEN :CHARGER,ecran+1:GRAPHICS PEN >LE • 3140 ON ecran GOSUB 3390,3400,3410,3420:RETURN >PP
1:RETURN • 3150 ON ecran GOSUB 3430,3440,3450,3460:RETURN >PY
2650 IF flag=1 THEN MOVE x,y:DRAW x(3),y,,1:DRAW x(3),y >TU • 3160 ON ecran GOSUB 3470,3480,3490,3500:RETURN >PG
(3),,1:DRAW x,y(3),,1:DRAW x,y,,1 • 3170 ON ecran GOSUB 3510,3520,3530,3540:RETURN >PW
2660 LOCATE 1,25:PRINT SPACE$(70):LOCATE 1,25:PRINT "X >UZ • 3180 ON ecran GOSUB 3550,3560,3570,3580:RETURN >PP
":(x-ox)*echel;TAB(40);"Y :":(y-oy)*echely • 3190 DEF Fny=:RETURN >QY
2670 GOTO 2540 >ND • 3200 DEF Fny=:RETURN >QP
2680 x1(ecran)=MIN(x(1),x(2)):x2(ecran)=MAX(x(1),x(2)): >PU • 3210 DEF Fny=:RETURN >QQ
y1(ecran)=MIN(y(1),y(2)):y2(ecran)=MAX(y(1),y(2)):RETUR • 3220 DEF Fny=:RETURN >QR
N • 3230 DEF Fny=:RETURN >QT
2690 ' >YK • 3240 DEF Fny=:RETURN >QU
2700 '===== >YB • 3250 DEF Fny=:RETURN >QV
2710 ' Init. Infos >YC • 3260 DEF Fny=:RETURN >QW
2720 '===== >YD • 3270 DEF Fny=:RETURN >QX
2730 ' >YE • 3280 DEF Fny=:RETURN >QY
2740 PRINT #8,CHR$(15);CHR$(27);"D";CHR$(22);CHR$(44);C >DM • 3290 DEF Fny=:RETURN >QZ
HR$(66);CHR$(88);CHR$(110);CHR$(0);CHR$(27);CHR$(49): • 3300 DEF Fny=:RETURN >QQ
2750 IF ecran<3 THEN PRINT #8,"Coordonnées rectangulaire >BN • 3310 DEF Fny=:RETURN >QR
es" ELSE PRINT #8,"Coordonnées polaires" • 3320 DEF Fny=:RETURN >QT
2760 PRINT #8,"Fonctions : ":fonct$(a,ecran) >RF • 3330 DEF Fny=:RETURN >QU
2770 RETURN >FK • 3340 DEF Fny=:RETURN >QV
2780 ' >YK • 3350 DEF Fny=:RETURN >QW
2790 '===== >ZA • 3360 DEF Fny=:RETURN >QX
2800 ' Menu >YC • 3370 DEF Fny=:RETURN >QY
2810 '===== >YD • 3380 DEF Fny=:RETURN >QZ
2820 ' >YE • 3390 DEF Fny=:RETURN >QA
2830 READ No.c,d,long,b:DOUVRIr,no.c,d,buffer:FOR d=1 T >QC • 3400 DEF Fny=:RETURN >QR
O b:READ x(d),y(d):NEXT d:d=0 • 3410 DEF Fny=:RETURN >QT
2840 RETURN >FH • 3420 DEF Fny=:RETURN >QU
2850 GOSUB 2830 >YA • 3430 DEF Fny=:RETURN >QV
2860 :INVERT,x(a),y(a),long >XP • 3440 DEF Fny=:RETURN >QW
2870 a*=INKEY$:IF a*="" THEN 2870 >ZW • 3450 DEF Fny=:RETURN >QX
2880 :INVERT,x(a),y(a),long >XR • 3460 DEF Fny=:RETURN >QY
2890 IF a*=CHR$(13) THEN RETURN >YG • 3470 DEF Fny=:RETURN >QZ
2900 IF a*=CHR$(240) THEN IF a=1 THEN a=b ELSE a=a-1 >RA • 3480 DEF Fny=:RETURN >QA
2910 IF a*=CHR$(241) THEN IF a=b THEN a=1 ELSE a=a+1 >RA • 3490 DEF Fny=:RETURN >QB
2920 GOTO 2860 >NG • 3500 DEF Fny=:RETURN >QT
2930 ' >YG • 3510 DEF Fny=:RETURN >QU
2940 '===== >YH • 3520 DEF Fny=:RETURN >QV
2950 ' S.P des Erreurs >YJ • 3530 DEF Fny=:RETURN >QW
2960 '===== >YK • 3540 DEF Fny=:RETURN >QX
2970 ' >ZA • 3550 DEF Fny=:RETURN >QY
2980 IF ERR=6 THEN IF y>200 THEN y=200:RESUME ELSE IF y >MY • 3560 DEF Fny=:RETURN >QZ
<-200 THEN y=-200:RESUME ELSE y=INT(y):RESUME • 3570 DEF Fny=:RETURN >QA
2990 IF ERR=6 THEN flag=1:RESUME NEXT >FV • 3580 DEF Fny=:RETURN >QB

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T - C 1 . B A S

10 ' Chargeur Pour T-CPRE.BIN

20 ' Par Jouin Bertrand

30 '

40 adr=&7000:OPENOUT "GOLIOJUN.IOR":MEMORY adr-1:CLOSEOUT

50 FOR ligne=100 TO 890 STEP 10:FOR c=1 TO 16:READ a\$:a=VAL("&"+a\$):POKE adr,a

60 somme=somme+a:adr=adr+1:NEXT c:READ a\$:a=VAL("&"+a\$):somme=VAL("&"+RIGHT\$(HEX\$(somme),3))

70 IF somme<>a THEN 90

80 NEXT ligne:SAVE "T-CPRE.bin".b.&7000,1276:END

90 PRINT "Erreur en Ligne : ";ligne:END

100 DATA CD,C6,70,21,00,90,11,01,90,36,54,01,00,01,ED,B0,57F

110 DATA 3E,01,F3,2A,38,00,22,C4,70,21,FB,C9,22,38,00,FB,BA3

120 DATA C6,01,C2,2C,70,2A,C4,70,22,38,00,C9,FE,E0,C2,38,321

130 DATA 70,47,3E,FF,32,21,70,78,F5,11,00,90,83,5F,21,B5,99E

140 DATA 70,01,0F,00,ED,B0,06,F5,ED,78,1F,D2,46,70,06,7F,047

150 DATA 16,01,0E,00,21,00,90,76,F3,00,00,00,00,00,00,286

160 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,286

170 DATA 00,00,00,00,00,00,00,00,7E,36,54,2C,ED,51,ED,79,00,65E

180 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,65E

190 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,65E

200 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,0D,20,C7,752

210 DATA F1,FB,C3,20,70,44,44,55,55,46,57,5F,4B,5F,57,46,E06

220 DATA 55,55,44,44,00,00,21,72,71,06,E3,C5,E5,CD,FA,70,506

230 DATA E1,23,23,23,C1,10,F4,21,48,71,06,0E,C5,E5,CD,E9,C63

240 DATA 70,E1,23,23,23,C1,10,F4,C9,CD,06,B9,7E,23,46,23,341

250 DATA 4E,60,69,CD,D3,BD,CD,09,B9,C9,56,23,5E,23,7E,F5,B7A

260 DATA 62,6B,CD,1A,BC,F1,E5,21,1B,74,11,10,00,B7,ED,52,287

270 DATA 3C,19,3D,C2,11,71,54,5D,E1,06,08,0E,02,CD,21,71,76C

280 DATA C9,79,32,33,71,ED,44,32,39,71,1A,77,13,23,0D,C2,D27

290 DATA 2A,71,0E,00,ED,53,43,71,11,00,07,19,30,04,11,50,08A

300 DATA C0,19,11,00,00,10,E3,C9,56,34,13,32,36,13,2E,37,4AD

310 DATA 13,30,38,13,50,2E,16,61,2F,16,72,30,16,42,32,16,7B7

320 DATA 2E,33,16,4A,35,16,4F,36,16,55,37,16,49,38,16,4E,AE5

330 DATA 39,16,0C,04,0D,0E,04,08,10,04,08,12,04,08,14,04,BBD

340 DATA 0B,16,04,09,18,04,00,1A,04,08,1C,04,08,1E,04,08,C7F

350 DATA 20,04,02,22,04,09,24,04,00,26,04,08,28,04,08,2A,D8C

360 DATA 04,08,2C,04,02,2E,04,09,30,04,00,32,04,08,34,04,EAF

370 DATA 0B,36,04,08,38,04,0B,3A,04,09,3C,04,00,3E,04,08,011

380 DATA 40,04,08,42,04,08,44,04,0B,46,04,09,0C,05,09,0E,179

390 DATA 05,06,10,05,08,12,05,04,14,05,09,16,05,09,18,05,21F

400 DATA 08,1A,05,04,1C,05,09,1E,05,06,20,05,08,22,05,09,2FA

410 DATA 24,05,08,26,05,04,28,05,09,2A,05,06,2C,05,08,2E,42C

420 DATA 05,09,30,05,08,32,05,04,34,05,09,36,05,09,38,05,575

430 DATA 09,3A,05,09,3C,05,08,3E,05,04,40,05,09,42,05,09,6F4

440 DATA 44,05,09,46,05,09,0C,06,09,0E,06,09,10,06,08,12,802

450 DATA 06,09,14,06,09,16,06,09,18,06,08,1A,06,05,1C,06,8C6

460 DATA 09,1E,06,07,20,06,08,22,06,09,24,06,08,26,06,05,9BC

470 DATA 28,06,09,2A,06,07,2C,06,08,2E,06,09,30,06,08,32,B11

480 DATA 06,09,34,06,09,36,06,09,38,06,09,3A,06,09,3C,06,C7A

490 DATA 08,3E,06,05,40,06,09,42,06,09,44,06,09,46,06,09,E13

500 DATA 0C,07,09,0E,07,09,10,07,08,12,07,09,14,07,09,16,EC8

510 DATA 07,09,18,07,08,1A,07,08,1C,07,08,1E,07,08,20,07,FA7

520 DATA 03,22,07,09,24,07,08,26,07,08,28,07,08,2A,07,08,0B4

530 DATA 2C,07,08,2E,07,09,30,07,08,32,07,09,34,07,09,36,228

540 DATA 07,09,38,07,09,3A,07,09,3C,07,08,3E,07,08,40,07,3A9

550 DATA 08,42,07,08,44,07,09,46,07,09,0C,08,09,0E,08,09,4EB

560 DATA 10,08,08,12,08,09,14,08,09,16,08,09,18,08,08,1A,5BC

570 DATA 08,08,1C,08,08,1E,08,08,20,08,02,22,08,09,24,08,6AF

580 DATA 08,26,08,08,28,08,08,2A,08,08,2C,08,08,2E,08,09,7DA

590 DATA 30,08,08,32,08,09,34,08,09,36,08,09,38,08,09,3A,96C

600 DATA 08,09,3C,08,08,3E,08,04,40,08,09,42,08,09,44,08,B03

610 DATA 09,46,08,09,0C,09,09,0E,09,09,10,09,08,12,09,09,BE6

620 DATA 14,09,09,16,09,09,18,09,08,1A,09,04,1C,09,09,1E,CD0

630 DATA 09,06,20,09,08,22,09,09,24,09,08,26,09,04,28,09,DDD

640 DATA 09,2A,09,06,2C,09,08,2E,09,09,30,09,08,32,09,05,F1D

650 DATA 34,09,09,36,09,09,38,09,09,3A,09,09,3C,09,08,3E,0CC

660 DATA 09,05,40,09,09,42,09,09,44,09,09,46,09,09,0C,0A,244

670 DATA 09,0E,0A,09,10,0A,0A,12,0A,09,14,0A,09,16,0A,09,307

680 DATA 18,0A,0A,1A,0A,09,1C,0A,09,1E,0A,09,20,0A,0A,22,416

690 DATA 0A,09,24,0A,0A,26,0A,09,28,0A,09,2A,0A,09,2C,0A,548

700 DATA 0A,2E,0A,09,30,0A,01,32,0A,08,34,0A,08,36,0A,08,6A0

710 DATA 38,0A,0B,3A,0A,09,3C,0A,01,3E,0A,08,40,0A,08,42,865

720 DATA 0A,08,44,0A,0B,46,0A,09,24,0D,00,26,0D,08,28,0D,9CA

730 DATA 08,2A,0D,0B,2C,0D,0B,24,0E,08,26,0E,04,24,0F,08,B02

740 DATA 24,10,08,24,11,08,24,12,08,26,12,05,24,13,01,26,C54

750 DATA 13,08,28,13,08,2A,13,08,2C,13,0B,00,3F,03,FF,0F,E91

760 DATA FF,3F,FF,3F,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,D01

770 DATA FF,3F,FF,3F,FF,0F,FF,03,FF,00,3F,FC,00,FF,C0,FF,685

780 DATA F0,FF,FC,FF,FC,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,660

790 DATA FF,FF,FC,FF,FC,FF,F0,FF,C0,FC,00,FF,C0,FC,00,F0,3AA

800 DATA 00,C0,00,C0,00,00,00,00,00,00,00,00,00,00,00,52A

810 DATA 00,C0,00,C0,00,F0,00,FC,00,FF,C0,03,FF,00,3F,00,B96

820 DATA 0F,00,03,00,03,00,00,00,00,00,00,00,00,00,00,BAB

830 DATA 00,00,03,00,03,00,0F,00,3F,03,FF,FF,FF,FF,FF,1FC

840 DATA FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,CF1

850 DATA 00,00,00,00,00,00,00,00,00,00,00,00,FF,FF,FF,FF,1EC

860 DATA FF,FF,FF,FF,FF,FF,FF,FF,3F,FC,03,C0,F0,00,FC,00,FF,DCE

870 DATA 00,FF,00,FF,00,FF,00,FC,00,F0,00,00,00,00,00,2B7

880 DATA 00,00,00,03,C0,3F,FC,FF,FF,FF,FF,FF,00,0F,00,3F,8FF

890 DATA FF,00,FF,00,FF,00,FF,00,3F,00,0F,00,00,00,00,00,D49

T - C 2 . B A S

10 ' Chargeur Pour T-CMENU.BIN

20 ' Par Jouin Bertrand

30 '

40 adr=&7000:OPENOUT "GOLIOJUN.IOR":MEMORY adr-1:CLOSEOUT

50 FOR ligne=100 TO 2400 STEP 10:FOR c=1 TO 16:READ a\$:a=VAL("&"+a\$):POKE adr,a

60 somme=somme+a:adr=adr+1:NEXT c:READ a\$:a=VAL("&"+a\$):somme=VAL("&"+RIGHT\$(HEX\$(somme),3))

70 IF somme<>a THEN 90

80 NEXT ligne:SAVE "T-CMENU.BIN".b.&7000,3682:END

90 PRINT "Erreur en Ligne : ";ligne:END

100 DATA F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F4B

110 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F1,F6,E98

120 DATA 20,45,78,7B,63,75,74,69,6F,6E,20,64,65,20,6C,61,458

130 DATA 20,66,6F,6E,63,74,69,6F,6E,20,20,20,20,F7,F6,20,A65

140 DATA 49,6E,74,72,6F,64,75,63,74,69,6F,6E,20,64,65,20,070

150 DATA 6C,61,20,66,6F,6E,63,74,69,6F,6E,20,F7,F6,20,49,733

160 DATA 6D,70,72,65,73,73,69,6F,6E,20,64,65,20,6C,61,20,D09

170 DATA 66,6F,6E,63,74,69,6F,6E,20,20,20,F7,F6,20,45,6E,389

180 DATA 73,65,6D,62,6C,65,20,64,65,20,64,7B,66,69,6E,69,98F

190 DATA 74,69,6F,6E,20,20,20,20,20,20,F7,F6,20,4F,70,74,F49

200 DATA 69,6F,6E,73,20,20,20,20,20,20,20,20,20,20,20,20,282



```

1390 DATA 20,F7,F6,20,20,46,28,78,29,3D,20,20,20,20,20,39F
1400 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,59F
1410 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,79F
1420 DATA 20,20,20,F7,F6,20,20,46,28,78,29,3D,20,20,20,20,BF8
1430 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,DF8
1440 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,FF8
1450 DATA 20,20,20,20,20,F7,F6,20,20,46,28,78,29,3D,20,20,451
1460 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,651
1470 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,851
1480 DATA 20,20,20,20,20,20,20,F7,F6,20,20,46,28,78,29,3D,CAA
1490 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,EAA
1500 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,0AA
1510 DATA 20,20,20,20,20,20,20,20,20,F7,F6,20,20,46,28,78,4DD
1520 DATA 29,3D,20,20,20,20,20,20,20,20,20,20,20,20,20,703
1530 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,903
1540 DATA 20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,46,49,CFE
1550 DATA 4E,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F2D
1560 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,12D
1570 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F3,5F,516
1580 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,B06
1590 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,0F6
1600 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,F2,779
1610 DATA 00,F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,5CF
1620 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,51F
1630 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,46F
1640 DATA F5,F5,F1,F6,20,20,46,28,74,29,3D,20,20,20,20,20,A68
1650 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,C68
1660 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,E68
1670 DATA 20,20,20,20,F7,F6,20,20,46,28,74,29,3D,20,20,20,28D
1680 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,48D
1690 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,68D
1700 DATA 20,20,20,20,20,20,F7,F6,20,20,46,28,74,29,3D,20,B12
1710 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,D12
1720 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F12
1730 DATA 20,20,20,20,20,20,20,20,20,F7,F6,20,20,46,28,74,29,34A
1740 DATA 3D,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,567
1750 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,767
1760 DATA 20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,20,46,28,B42
1770 DATA 74,29,3D,20,20,20,20,20,20,20,20,20,20,20,20,20,DBC
1780 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,FBC
1790 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,20,369
1800 DATA 46,28,74,29,3D,20,20,20,20,20,20,20,20,20,20,20,611
1810 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,811
1820 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,B8E
1830 DATA 20,20,46,28,74,29,3D,20,20,20,20,20,20,20,20,20,E66
1840 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,066
1850 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,266
1860 DATA F7,F6,20,20,46,28,74,29,3D,20,20,20,20,20,20,20,688
1870 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,888
1880 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,ABB
1890 DATA 20,20,F7,F6,20,20,46,28,74,29,3D,20,20,20,20,20,F10
1900 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,110
1910 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,310
1920 DATA 20,20,20,20,F7,F6,20,20,46,28,74,29,3D,20,20,20,765
1930 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,965
1940 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,B65
1950 DATA 20,20,20,20,20,20,F7,F6,20,46,49,4E,20,20,20,20,F8F
1960 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,18F
1970 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,38F
1980 DATA 20,20,20,20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,8B3
1990 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,EA3
2000 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,493
2010 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,D0A
2020 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,CSA
2030 DATA F5,F1,F6,20,49,6D,70,72,69,6D,61,6E,74,65,20,70,3FC
2040 DATA 72,65,74,65,20,3F,20,F7,F3,5F,5F,5F,5F,5F,5F,AAE
2050 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,163
2060 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,0B3
2070 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F1,F6,20,FB,20,44,7B,D31
2080 DATA 70,6C,61,63,65,6D,65,6E,74,20,64,75,20,72,65,70,34A
2090 DATA 7D,72,65,20,F7,F6,20,FC,20,44,7B,70,6C,61,63,65,AAB
2100 DATA 6D,65,6E,74,20,64,75,20,72,65,70,7D,72,65,20,F7,12A
2110 DATA F6,20,FD,20,44,7B,70,6C,61,63,65,6D,65,6E,74,20,7F5
2120 DATA 64,75,20,72,65,70,7D,72,65,20,F7,F6,20,FE,20,44,F18
2130 DATA 7B,70,6C,61,63,65,6D,65,6E,74,20,64,75,20,72,65,53C
2140 DATA 70,7D,72,65,20,F7,F6,20,2D,2C,20,2B,20,3A,20,5A,AA5
2150 DATA 6F,6F,6D,20,20,20,20,20,20,20,20,20,20,20,20,20,D90
2160 DATA F7,F6,20,50,20,3A,20,50,6F,69,6E,74,20,20,20,20,2F1
2170 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,5A,20,6D8
2180 DATA 3A,20,5A,6F,6F,6D,20,42,6F,69,74,65,20,20,20,20,B6A
2190 DATA 20,20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,5F,5F,10C
2200 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,6FC
2210 DATA 5F,F2,00,F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,489
2220 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,409
2230 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,359
2240 DATA F5,F5,F5,F5,F1,F6,20,20,46,28,78,29,3D,20,20,20,B00
2250 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,D00
2260 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F00
2270 DATA 20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,5F,5F,4A2
2280 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,A92
2290 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,082
2300 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,A25
2310 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,975
2320 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,8C5
2330 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F1,F6,20,20,46,5B9
2340 DATA 28,74,29,3D,20,20,20,20,20,20,20,20,20,20,20,20,83B
2350 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,A3B
2360 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F3,5F,E24
2370 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,414
2380 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,A04
2390 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,F2,087
2400 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,087

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T - C 3 . B A S

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10 ' Chargeur pour T-CRSX.BIN
20 ' Par Jouin Bertrand
30 '
40 adr=&8000:OPENOUT "GOLIOJUN.IOR":MEMORY &7000:CLOSEOUT
50 FOR ligne=100 TO 760 STEP 10:FOR c=1 TO 16:READ a$:a=VAL("&"
+a$):POKE adr,a
60 somme=somme+a:adr=adr+1:NEXT c:READ a$:a=VAL("&"a$):somme=V
AL("&"RIGHT$(HEX$(somme),3))
70 IF somme<>a THEN 90
80 NEXT ligne:SAVE "T-CRSX.BIN",b,&8000,&430:END
90 PRINT "Erreur en Ligne : ";ligne:END

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SOKO BAM

2ème partie

Thierry LEBEC & Franck RICHARD

Valable pour CPC 464 - 664 - 6128

Pour obtenir de beaux et bons programmes,
il faut parfois de nombreuses lignes de datas. Avec la suite de ce
jeu de réflexion (voir numéro précédent) vous n'allez pas être déçu
puisque l'épisode suivant n'aura lieu que dans deux mois. En atten-
dant, allez voir la rubrique P.A.K. de ce numéro, vous y trouverez
un petit programme assez pratique.

DATA2.BAS

```
10 MODE 2:MEMORY &7FFF:L=50:AD=&8000:FOR I=1 TO &205
20 T=0:FOR J=1 TO 8:READ C$:A$=LEFT$(C$,2):B$=RIGHT$(C$,2):A=VA
L("&"A$):POKE AD,A:T=T XOR A:AD=AD+1:A=VAL("&"B$):POKE AD,A:T
=T XOR A:AD=AD+1:NEXT
30 READ A$:A=VAL("&"A$):IF T<>A THEN PRINT"ERREUR EN LIGNE":L:
END ELSE LOCATE 1,1:PRINT"LIGNE":L:"OK
40 L=L+10:NEXT:PRINT"PROGRAMME OK!":CALL &BB18:SAVE"SOK.002",B,
&8000,&2046
50 DATA 0000,0000,0000,0000,0000,0000,0000,00
60 DATA 0077,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,77
70 DATA 8800,0000,0000,0000,0000,0000,0000,88
80 DATA 0000,0000,0000,0000,0000,0000,0000,00
90 DATA 0000,0000,74F0,F0F0,F0F0,F0F0,F0F0,F0F0,84
100 DATA F0F0,F008,0000,0000,0000,0000,0000,F8
110 DATA 0000,0000,0000,0000,0000,0000,0000,00
120 DATA 0000,0000,0000,0074,F0F0,F0F0,F0F0,F0F0,74
130 DATA F0F0,F0F0,F0F0,0800,0000,0000,0000,08
140 DATA 0000,0000,0000,0000,0000,0000,0000,00
150 DATA 0000,0000,0000,0000,0000,740F,0F0F,0F0F,7B
160 DATA 0F0F,0F0F,0F0F,0F0F,3C08,0000,0000,34
170 DATA 0000,0000,0000,0000,0000,0000,0000,00
180 DATA 0000,0000,0000,0000,0000,0000,0074,0800,7C
190 DATA 0000,0000,0000,0000,0000,0074,0800,7C
200 DATA 0000,0000,0000,0000,0000,0000,0000,00
210 DATA 0000,0000,0000,0000,0000,0000,0000,00
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220 DATA 7408,0000,0000,0000,0000,0000,0000,7408,00
230 DATA 0000,0000,0000,0000,0000,0000,0000,00
240 DATA 0000,0000,0000,0000,0000,0000,0000,00
250 DATA 0000,0074,090F,0F0F,0F0F,0F0F,0F0F,72
260 DATA 0E74,0800,0000,0000,0000,0000,0000,72
270 DATA 0000,0000,0000,0000,0000,0000,0000,00
280 DATA 0000,0000,0000,7409,0F0F,0F0F,0F0F,7D
290 DATA 0F0F,0F0E,7408,0000,0000,0000,0000,7D
300 DATA 0000,0000,0000,0000,0000,0000,0000,00
310 DATA 0000,0000,0000,0000,0074,090F,0F0F,72
320 DATA 0F0F,0F0F,0F0F,0E74,0800,0000,0000,72
330 DATA 0000,0000,0000,0000,0000,0000,0000,00
340 DATA 0000,0000,0000,0000,0000,0000,7409,0F0F,7D
350 DATA 0F0F,0F0F,0F0F,0F0F,0F0E,7408,0000,0000,7D
360 DATA 0000,0000,0000,0000,0000,0000,0000,00
370 DATA 0000,0000,0000,0000,0000,0000,0000,0074,74
380 DATA 090F,0F0F,0F0F,0F0F,0F0F,0F0F,0E74,0800,74
390 DATA 0000,0000,0000,0000,0000,0000,0000,00
400 DATA 0000,0000,0000,0000,0000,0000,0000,00
410 DATA 0000,7409,0F0F,0D0F,0F0F,0F0F,0F09,0F0E,7B
420 DATA 7408,0000,0000,0000,0000,0000,0000,7C
430 DATA 0000,0000,0000,0000,0000,0000,0000,00
440 DATA 0000,0000,0074,090F,0F0C,0F0F,0F0F,71
450 DATA 080F,0E74,0800,0000,0000,0000,0000,75
460 DATA 0000,0000,0000,0000,0000,0000,0000,00
470 DATA 0000,0000,0000,0000,7409,0F0F,0007,0F0F,7A
480 DATA 0F0F,0F00,070E,7408,0000,0000,0000,7A
490 DATA 0000,0000,0000,0000,0000,0000,0000,00
```

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500 DATA 0000,0000,0000,0000,0000,0074,090F,0F00,75
510 DATA 0F0F,0F0F,0F0F,0C07,0E74,0000,0000,0000,79
520 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
530 DATA 0000,0000,0000,0000,0000,0000,0000,7409,70
540 DATA 0F0F,030F,0000,0F0F,0F0C,0F0E,7400,0000,7A
550 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
560 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
570 DATA 0074,090F,0E07,0E00,0003,0F0F,0C0F,0E74,0F
580 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
590 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
600 DATA 0000,0000,7409,0F0C,0F00,0000,000F,0F09,70
610 DATA 0F0E,7400,0000,0000,0000,0000,0000,0000,7D
620 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
630 DATA 0000,0000,0000,0000,0074,090F,0C07,0000,00
640 DATA 070F,090F,0E74,0000,0000,0000,0000,0000,7C
650 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
660 DATA 0000,0000,0000,0000,0000,7409,0F0F,0C09,7F
670 DATA 0C00,0003,0F01,0F0E,7400,0000,0000,0000,DA
680 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
690 DATA 0000,0000,0000,0000,0000,0000,0000,0074,090F,72
700 DATA 0F00,110E,FF00,010C,010F,0E74,0000,0000,76
710 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
720 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
730 DATA 7400,0F0F,0C11,2200,0000,0000,0F0E,7400,AF
740 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
750 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
760 DATA 0000,0074,090F,0F00,1122,0000,0003,0F0C,00
770 DATA 0E74,0000,0000,0000,0000,0000,0000,0000,72
780 DATA 0000,0000,0000,0000,0000,0000,0000,FFFF,77
790 DATA 0FFF,FFFF,FFFF,7409,0F0F,0F00,0CCE,5F00,81
800 DATA 0F0F,0F0E,7430,FFFF,FFFF,FFFF,FFFF,FFFF,57
810 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
820 DATA 740F,FFFF,FFFF,FFFF,0E74,090F,0F00,0000,01
830 DATA 0000,0000,0F0F,0E74,300F,0000,0F0F,FFFF,00
840 DATA 0F01,0000,0000,0000,0000,0000,0000,0000,11
850 DATA 0000,0074,FFFF,FFFF,FFFF,FFFF,7409,0F0F,09
860 DATA 0000,0000,0000,0F0F,0F0E,7430,FFFF,FFFF,05
870 DATA 0F0F,FFFF,1100,0000,0000,0000,0000,0000,E1
880 DATA 0000,0000,0000,740F,0F0F,0F0F,0F0F,0F74,00
890 DATA 090F,0F00,0000,090F,090F,0F0F,0E74,090F,74
900 DATA 0F0F,0F0F,0F0F,0F00,0000,0000,0000,0000,66
910 DATA 0000,0000,0000,0000,0074,0000,0000,0000,7C
920 DATA 0000,7409,0F0F,0C00,0000,0001,0F0F,0F0E,75
930 DATA 7400,0000,0000,0000,0000,E900,0000,0000,95
940 DATA 0000,0000,0000,0000,0000,0000,7400,0000,7C
950 DATA 0000,0000,0074,090F,0F0C,0100,0200,010F,74
960 DATA 0F0F,0E74,0000,0000,0000,0000,0000,0000,9B
970 DATA 0000,0000,0000,0000,0000,0000,0000,0074,74
980 DATA 0000,0000,0000,0000,7409,0F0F,0E00,0005,7B
990 DATA 0003,0F0F,0F0E,7400,0000,0000,0000,0000,7E
1000 DATA E900,0000,0000,0000,7400,0000,0000,0000,E9
1010 DATA 0000,7400,0000,0000,0000,0074,090F,0F0F,0E
1020 DATA 0002,0000,070F,0F0F,0E74,0000,0000,0000,70
1030 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1040 DATA 0000,0000,0074,0000,0000,0000,0000,7409,01
1050 DATA 0F0F,0F00,0000,0000,0F0F,0F0E,7400,0000,95
1060 DATA 0000,0000,0000,E900,0000,0000,0000,0000,E9
1070 DATA 0000,0000,0000,0000,7400,0000,0000,0000,7C
1080 DATA 0074,090F,0F0E,0E00,0003,0F0F,0F0F,0E74,74

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1099 DATA #B00, #0000, #0000, #0000, #00E9, #0000, #0000, #0000, E1
1100 DATA #0000, #0000, #0000, #0000, #0000, #0074, #0000, #0000, 7C
1110 DATA #0000, #0000, #7400, #00FF, #00FF, #0000, #00FF, #00FF, 7F
1120 DATA #00FE, #7400, #0000, #0000, #0000, #0000, #E900, #0000, 9A
1130 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0000, #7400, 7C
1140 DATA #0000, #0000, #0000, #0074, #00FF, #00FF, #00FF, #00FF, 7F
1150 DATA #00FF, #00FF, #E74, #0000, #0000, #0000, #0000, #00E9, 9B
1160 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0000, #0000, 00
1170 DATA #0074, #0000, #0000, #0000, #0000, #0000, #7400, #00FF, #00FF, 81
1180 DATA #00FF, #00FF, #00FF, #00FE, #7400, #0000, #0000, #0000, 7B
1190 DATA #0000, #E900, #0000, #0000, #0000, #0000, #0000, #0000, 00
1200 DATA #0000, #0000, #7400, #0000, #0000, #0000, #0074, #00FF, 8E
1210 DATA #00FF, #0E37, #00FF, #07FF, #00FF, #0E74, #0000, #0000, 78
1220 DATA #0000, #0000, #00E9, #0000, #0000, #0000, #0000, #00E9, 99
1230 DATA #0000, #0000, #0000, #0074, #0000, #0000, #0000, #0000, 7C
1240 DATA #7400, #00FF, #00FF, #0000, #30FF, #00FF, #00FE, #7400, 84
1250 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0000, #0000, E9
1260 DATA #0000, #0000, #0000, #0000, #0000, #7400, #0000, #0000, 7C
1270 DATA #0000, #0074, #00FF, #00FF, #00FF, #00FF, #00FF, #00FF, 7F
1280 DATA #0E74, #0000, #0000, #0000, #0000, #00E9, #0000, #0000, 9B
1290 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0074, #0000, 7C
1300 DATA #0000, #0000, #0000, #7400, #00FF, #00FF, #00FF, #00FF, 7F
1310 DATA #00FF, #00FE, #7400, #0000, #0000, #0000, #0000, #E900, 9A
1320 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0000, #0000, 00
1330 DATA #7400, #0000, #0000, #0000, #0074, #00FF, #00FF, #00FF, 8E
1340 DATA #0000, #00FF, #00FF, #0E74, #0000, #0000, #0000, #0000, 7A
1350 DATA #00E9, #0000, #0000, #0000, #0000, #0000, #0000, #0000, E9
1360 DATA #0000, #0074, #0000, #0000, #0000, #0000, #7400, #00FF, 81
1370 DATA #00FF, #00FF, #00FF, #00FF, #00FE, #7400, #0000, #0000, 7D
1380 DATA #0000, #0000, #E900, #0000, #0000, #0000, #0000, #0000, E9
1390 DATA #0000, #0000, #0000, #7400, #0000, #0000, #0000, #0074, 8A
1400 DATA #00FF, #00FF, #00FF, #00FF, #00FF, #00FF, #0074, #0000, 7A
1410 DATA #0000, #0000, #00E9, #0000, #0000, #0000, #0000, #0000, E9
1420 DATA #0000, #0000, #0000, #0000, #0074, #0000, #0000, #0000, 7C
1430 DATA #0000, #7400, #00FF, #00FF, #00FF, #00FF, #00FF, #00FE, 7C
1440 DATA #7400, #0000, #0000, #0000, #0000, #E900, #0000, #0000, 9B
1450 DATA #0000, #0000, #0000, #0000, #0000, #0000, #7400, #0000, 7C
1460 DATA #0000, #0000, #0074, #00FF, #00FF, #00FF, #00FF, #00FF, 7F
1470 DATA #00FF, #0E74, #0000, #0000, #0000, #0000, #00E9, #0000, 9B
1480 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0000, #0074, 7A
1490 DATA #0000, #0000, #0000, #0000, #7400, #00FF, #00FF, #00FF, 7F
1500 DATA #00FF, #00FF, #00FE, #7400, #0000, #0000, #0000, #0000, 7D
1510 DATA #E900, #0000, #0000, #0000, #0000, #0000, #0000, #0000, E9
1520 DATA #0000, #7400, #0000, #0000, #0000, #0074, #0000, #0000, 9B
1530 DATA #0000, #0000, #0000, #0000, #0074, #0000, #0000, #0000, 7C
1540 DATA #0000, #00E9, #0000, #0000, #0000, #0000, #0000, #0000, E9
1550 DATA #0000, #0000, #0074, #0000, #0000, #0000, #0000, #7400, 9B
1560 DATA #0000, #0000, #0000, #0000, #0000, #0000, #7400, #0000, 7C
1570 DATA #0000, #0000, #0000, #E900, #0000, #0000, #0000, #0000, E9
1580 DATA #0000, #0000, #0000, #0000, #7400, #0000, #0000, #0000, 7C
1590 DATA #0074, #FFFF, #FFFF, #FFFF, #FFFF, #FFFF, #FFFF, #FFFF, 7F
1600 DATA #0000, #0000, #0000, #0000, #00E9, #0000, #0000, #0000, E1
1610 DATA #0000, #0000, #0000, #0000, #0000, #0074, #0000, #0000, 7C
1620 DATA #0000, #0000, #74FF, #FFFF, #FFFF, #FFFF, #FFFF, #FFFF, 8A
1630 DATA #FFFF, #FFFF, #FFFF, #FFFF, #FFFF, #FFFF, #E900, #0000, 11
1640 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0000, #7400, 7C
1650 DATA #0000, #0000, #0000, #0074, #FFFF, #FFFF, #FFFF, #FFFF, 7A
1660 DATA #FFFF, #FFFF, #FFFF, #0000, #0000, #0000, #0000, #00E9, E1
1670 DATA #0000, #0000, #0000, #0000, #0000, #0000, #0000, #0000, 00

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1680 DATA 0074,0800,0000,0000,0000,470F,0F0F,0F0F,34
1690 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0000,0000,0000,07
1700 DATA 0000,E900,0000,0000,0000,0000,0000,0000,E9
1710 DATA 0000,0000,7408,0000,0000,0000,0000,0000,7C
1720 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1730 DATA 0000,0000,00E9,0000,0000,0000,0000,0000,E9
1740 DATA 0000,0000,0000,0074,0800,0000,0000,0000,7C
1750 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1760 DATA 0000,0000,0000,0000,E900,0000,0000,0000,E9
1770 DATA 0000,0000,0000,0000,0000,7408,0000,0000,7C
1780 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1790 DATA 0000,0000,0000,0000,0000,00E9,0000,0000,E9
1800 DATA 0000,0000,0000,0000,0000,0000,0074,0800,7C
1810 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1820 DATA 0000,0000,0000,0000,0000,0000,0000,E900,E9
1830 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1840 DATA 7408,0000,0000,0000,0000,0000,0000,0000,7C
1850 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1860 DATA 00E9,0000,0000,0000,0000,0000,0000,0000,E9
1870 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1880 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1890 DATA 0000,0000,0000,0000,0000,0000,0000,77FF,88
1900 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
1910 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
1920 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
1930 DATA FF74,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,8B
1940 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1950 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1960 DATA F0F0,F0E1,74F0,F0F0,F0F0,F0F0,F0F0,F0F0,95
1970 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1980 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1990 DATA F0F0,F0F0,F0F0,E174,0F0F,0F0F,0F0F,0F0F,95
2000 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
2010 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
2020 DATA 0F0F,0F0F,0F0F,0F0F,0F69,7408,0000,0000,1A
2030 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2040 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2050 DATA 0000,0000,0000,0000,0000,0000,E974,0800,95
2060 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2070 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2080 DATA 0000,0000,0000,0000,0000,0000,0000,00E9,E9
2090 DATA 7408,0000,0000,0000,0000,0000,0000,0000,7C
2100 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2110 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2120 DATA 0000,E974,0800,0000,0000,0000,0000,0000,95
2130 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2140 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2150 DATA 0000,0000,00E9,7408,0000,0000,0000,0000,95
2160 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2170 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2180 DATA 0000,0000,0000,0000,E974,0800,0000,0000,95
2190 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2200 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2210 DATA 0000,0000,0000,0000,0000,00E9,7408,0000,95
2220 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2230 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2240 DATA 0000,0000,0000,0000,0000,0000,0000,E974,9D
2250 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
2260 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00

2270 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2280 DATA 00E9,7408,0000,0000,31CE,00E7,00D6,CE00,95
2290 DATA E784,D6CE,00E7,84F7,EF31,DE8C,F78C,00E7,FF
2300 DATA 84F7,EF10,FF08,318C,317B,0800,0000,6300,E7
2310 DATA 108C,0000,E974,0800,0000,0073,8C10,CE10,38
2320 DATA BD8C,10DE,18BD,8C10,DE18,FFCE,73BD,18FF,18
2330 DATA 0810,DE18,FFCE,31EF,0073,0863,E700,0000,CE
2340 DATA 00C6,0031,0800,00E9,7408,0000,0010,0884,F6
2350 DATA 42C6,31DE,8C63,6331,9C8C,4263,0063,0063,E7
2360 DATA 6300,C600,4263,0063,00B5,8C10,3908,F76B,63
2370 DATA 0000,0010,8C00,6300,0000,E974,0800,0000,6A
2380 DATA 2110,0894,8C73,BD08,C6C6,7339,0884,C600,E7
2390 DATA C600,C6C6,108C,0084,C600,C610,7B08,2163,FF
2400 DATA 10EF,C600,0000,3108,00C6,0000,00E9,7408,53
2410 DATA 0000,00C6,0031,188C,E763,3118,8CC6,6331,D6
2420 DATA 188C,3108,1018,8C63,0031,188C,3108,00C6,10
2430 DATA 00C6,6331,9C8C,0000,0063,0010,8C00,0000,7B
2440 DATA E974,0800,0010,8C00,6331,18CE,C663,3118,01
2450 DATA 8CC6,6331,0863,0021,3108,C600,6331,0863,94
2460 DATA 0010,8C10,8CC6,7339,0800,0000,C600,3108,7B
2470 DATA 0000,00E9,7408,0000,3108,00C6,6331,188C,AC
2480 DATA C663,3118,00C6,6300,C600,C663,108C,00C6,18
2490 DATA 6300,C600,3108,3118,8CC6,6300,0000,108C,00
2500 DATA 0063,0000,0000,E974,0800,0063,0010,8CC6,CF
2510 DATA 6331,188C,C663,2110,8CC6,108C,108C,C631,EF
2520 DATA 0810,8CC6,108C,0063,0063,3118,8CC6,0000,AD
2530 DATA 0031,0800,C600,0000,00E9,7408,0000,C600,AC
2540 DATA 3118,8CC6,6310,398C,F78C,3118,8C31,0831,73
2550 DATA 188C,6300,3118,8C31,0800,C600,C663,3118,21
2560 DATA 8C00,0000,6300,108C,0000,0000,E974,0800,E6
2570 DATA 00C6,C631,2910,9C8C,31BD,189C,8C63,7308,84
2580 DATA 6300,737B,08C6,C663,7308,6300,10AD,00C6,63
2590 DATA 8463,6300,0000,0000,0000,0000,0000,00E9,6D
2600 DATA 7408,0010,9C8C,6342,3139,0873,6B31,3908,45
2610 DATA C6E7,00C6,00E7,E710,9C8C,C6E7,00C6,0031,31
2620 DATA 4A10,9C08,C6C6,0000,0000,0000,0000,0000,CE
2630 DATA 0000,E974,0800,10EF,0073,0863,F718,08C6,53
2640 DATA 6331,08E7,C600,C600,E7C6,31EF,00E7,C600,63
2650 DATA C610,FF8C,10CE,10BD,CE00,0000,3108,00C6,E7
2660 DATA 0000,0000,00E9,7408,0031,CE00,E700,D6EF,B4
2670 DATA 2110,8CC6,6310,DE8C,108C,10DE,8C73,CE10,29
2680 DATA DE8C,108C,31FF,0831,8C31,7B8C,0000,0063,10
2690 DATA 0010,8C00,0000,0000,E974,0800,0000,0000,09
2700 DATA 0000,0031,EF00,0000,0000,0000,0000,0000,DE
2710 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2720 DATA 0000,0000,0000,0000,0000,00E9,7408,0000,95
2730 DATA 0000,0000,0000,73CE,0000,0000,0000,0000,BD
2740 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2750 DATA 0000,0000,0000,0000,0000,0000,0000,E974,9D
2760 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
2770 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2780 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2790 DATA 00E9,7408,0000,0000,0000,0000,0000,0000,95
2800 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2810 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2820 DATA 0000,0000,E974,0800,0000,0000,0000,0000,95
2830 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2840 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2850 DATA 0000,0000,0000,00E9,7408,0000,0000,0000,95



4040 DATA 0000,0000,0031,0800,C663,316B,00C6,6300,63
4050 DATA 0000,C663,3118,8CD5,6800,0000,0000,0000,8E
4060 DATA 0000,0000,0000,0000,00E9,740B,0000,0000,95
4070 DATA 0000,0000,0000,0000,31EF,108C,C673,8C10,6B
4080 DATA 8CC6,0000,10FF,8C63,3118,ADC6,0000,0000,08
4090 DATA 0000,0000,0000,0000,0000,0000,E974,0800,95
4100 DATA 0000,0000,0000,0000,0000,0000,6331,188C,C6
4110 DATA F708,3118,8C00,0031,188C,C663,311A,8C00,FD
4120 DATA 0000,0000,0000,0000,0000,0000,0000,00E9,E9
4130 DATA 740B,0000,0000,0000,0000,0000,0010,8CC6,26
4140 DATA 3129,10BD,0831,2900,0000,6331,189C,CE63,DE
4150 DATA 3508,0000,0000,0000,0000,0000,0000,0000,3D
4160 DATA 0000,E974,0800,0000,0000,0000,0000,0000,95
4170 DATA 10FF,0831,8C31,398C,318C,0000,00F7,CE10,4A
4180 DATA DE8C,C62A,0000,0000,0000,0000,0000,0000,8E
4190 DATA 0000,0000,00E9,740B,0000,0000,0000,0000,95
4200 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4210 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4220 DATA 0000,0000,0000,0000,E974,0800,0000,0000,95
4230 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4240 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4250 DATA 0000,0000,0000,0000,0000,00E9,740B,0000,95
4260 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4270 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4280 DATA 0000,0000,0000,0000,0000,0000,0000,E974,9D
4290 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
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4310 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4320 DATA 00E9,740B,0000,0000,0000,0000,0000,0000,95
4330 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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4360 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4370 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4380 DATA 0000,0000,0000,00E9,740B,0000,0000,0000,95
4390 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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4410 DATA 0000,0000,0000,0000,0000,E974,0800,0000,95
4420 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4430 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4440 DATA 0000,0000,0000,0000,0000,0000,00E9,747F,E2
4450 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
4460 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
4470 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
4480 DATA E974,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,9D
4490 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
4500 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
4510 DATA F0F0,F0E1,74F0,F0F0,F0F0,F0F0,F0F0,F0F0,95
4520 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
4530 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
4540 DATA F0F0,F0F0,F0F0,E147,0F0F,0F0F,0F0F,0F0F,AG
4550 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
4560 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
4570 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0000,0000,0000,00
4580 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4590 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4600 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4610 DATA 0000,0000,0074,0800,0000,0000,0000,0000,7C
4620 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00

4630 DATA 0000,0000,0000,E900,0000,0000,0000,0000,E9
4640 DATA 0000,0000,0000,0000,740B,0000,0000,0000,7C
4650 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4660 DATA 0000,0000,0000,0000,00E9,0000,0000,0000,E9
4670 DATA 0000,0000,0000,0000,0000,0074,0800,0000,7C
4680 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4690 DATA 0000,0000,0000,0000,0000,0000,E900,0000,E9
4700 DATA 0000,0000,0000,0000,0000,0000,0000,740B,7C
4710 DATA 0000,0000,0000,0000,0011,FF44,55FF,00FF,FF
4720 DATA AA22,FF00,0000,0000,0000,0000,0000,00E9,9E
4730 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4740 DATA 0074,0800,0000,0000,0000,0000,0044,4455,29
4750 DATA 0000,8833,2288,8800,0000,0000,0000,0000,99
4760 DATA 0000,E900,0000,0000,0000,0000,0000,0000,E9
4770 DATA 0000,0000,740B,0000,0000,0000,0000,0000,7C
4780 DATA 4444,5500,0088,22AA,8888,0000,0000,0000,55
4790 DATA 0000,0000,00E9,0000,0000,0000,0000,0000,E9
4800 DATA 0000,0000,0000,0074,0800,0000,0000,0000,7C
4810 DATA 0000,0044,77DD,CC00,EE22,6688,8800,0000,88
4820 DATA 0000,0000,0000,0000,E900,0000,0000,0000,E9
4830 DATA 0000,0000,0000,0000,0000,740B,0000,0000,7C
4840 DATA 0000,0000,0000,4444,5500,0088,2222,8888,DD
4850 DATA 0000,0000,0000,0000,0000,00E9,0000,0000,E9
4860 DATA 0000,0000,0000,0000,0000,0000,0074,0800,7C
4870 DATA 0000,0000,0000,0000,0044,4455,0000,8822,FF
4880 DATA 2288,8800,0000,0000,0000,0000,0000,E900,CB
4890 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4900 DATA 740B,0000,0000,0000,0000,0000,4444,5500,29
4910 DATA 0088,2222,8888,0000,0000,0000,0000,0000,88
4920 DATA 00E9,0000,0000,0000,0000,0000,0000,0000,E9
4930 DATA 0000,0074,0800,0000,0000,0000,0000,0044,38
4940 DATA 4455,FF00,FFAA,22FF,0000,0000,0000,0000,66
4950 DATA 0000,0000,E900,0000,0000,0000,0000,0000,E9
4960 DATA 0000,0000,0000,740B,0000,0000,0000,0000,7C
4970 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
4980 DATA 0000,0000,0000,00E9,0000,0000,0000,0000,E9
4990 DATA 0000,0000,0000,0000,0074,0800,0000,0000,7C
5000 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
5010 DATA 0000,0000,0000,0000,0000,E900,0000,0000,E9
5020 DATA 0000,0000,0000,0000,0000,0000,740B,0000,7C
5030 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
5040 DATA 0000,0000,0000,0000,0000,0000,00E9,0000,E9
5050 DATA 0000,0000,0000,0000,0000,0000,0000,0074,74
5060 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
5070 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
5080 DATA E900,0000,0000,0000,0000,0000,0000,0000,E9
5090 DATA 0000,747F,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,0B
5100 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
5110 DATA FFFF,FFE9,0000,0000,0000,0000,0000,0000,16
5120 DATA 0000,0000,0074,F0F0,F0F0,F0F0,F0F0,F0F0,74
5130 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
5140 DATA F0F0,F0F0,F0F0,E100,0000,0000,0000,0000,E1
5150 DATA 0000,0000,0000,0000,74F0,F0F0,F0F0,F0F0,84
5160 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
5170 DATA F0F0,F0F0,F0F0,F0F0,F0E1,0000,0000,0000,11
5180 DATA 0000,0000,0000,0000,0000,0047,0F0F,0F0F,47
5190 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
5200 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F00,0F0F,0F
5210 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00

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MATHS - CP

MATHS - CM 1

MATHS - CM 2

MATHS - CE 2

MATHS - CE 1

NOUVEAU

MICRO.C

NOUVEAU

• FRANÇAIS **CE 1**

Tu dois gagner la coupe, si tu veux être un champion moto. Tes connaissances seront ta seule énergie.

Réf. Mic 23CPC

Prix : **200F** + port 15F

• FRANÇAIS **CE 2**

Si tu veux être un champion de grand prix, ta moto ne roulera qu'en fonction de tes connaissances...

Réf. Mic 27CPC

Prix : **200F** + port 15F

• FRANÇAIS **CM 2**

Au milieu du désert, tu devras pulser de l'eau pour aider les touaregs à arroser les palmiers de leurs oasis. A l'aide de tes connaissances...

Réf. Mic 28CPC

Prix : **200F** + port 15F

• FRANÇAIS **CM 1**

Grâce à ton canoë, tu vas visiter de nombreux icebergs : l'iceberg de l'orthographe, du vocabulaire, de la conjugaison, de la grammaire et de la lecture.

Réf. Mic 29CPC

Prix : **200F** + port 15F

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9

NOUVEAUTES

SEULEMENT EN VGA

• MATHS **CP**

A travers différentes îles infestées de pirates, tu devras défier Rakam pour récupérer les coffres qu'il t'a dérobés.

Réf. Mic 22CPC

Prix : **200F** port 15F

• MATHS **CE 1**

Un de tes riches ancêtres possédait des coffres remplis d'or ! Mais voilà ! Les clés des coffres sont cachées dans une grotte...

Réf. Mic 25CPC

Prix : **200F** port 15F

• MATHS **CE 2**

Te voilà arrivé au beau milieu du désert en compagnie de touaregs. Il va falloir les aider à la quête de l'eau...

Réf. Mic 26CPC

Prix : **200F** port 15F

• MATHS **CM 2**

Les coffres du "savoir mathématiques" ont été dérobés. L'élève devra les rechercher en visitant des îles.

Réf. Mic 30CPC

Prix : **200F** port 15F

• MATHS **CM 1**

Les clés des coffres contenant des pièces d'or ont été dissimulées. Part à leur recherche dans les différentes grottes des nombres.

Réf. Mic 31CPC

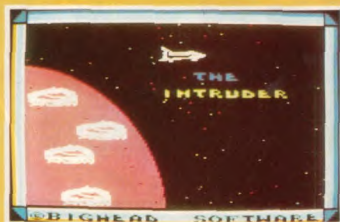
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Sur 36 15 Arcades, des jeux et des utilitaires, du son et du graphisme.

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Voir bon de commande page 38

ATTENTION : Seul le câble Arcades fonctionne avec le logiciel de téléchargement.