

AUTOCAR

Cet utilitaire loin d'être inutile, risque de vous être de quelque utilité.

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Mode d'emploi :

Tapez et sauvegardez à la suite ces trois programmes. Le second et le troisième, doivent être sauves respectivement sous les noms de "AUTOCAR1" et "AUTOCAR2". Cet utilitaire permet entre autres, de disposer de mots clés Basic par CTRL + touche, de redéfinir des caractères, d'obtenir 3 vitesses de sauvegarde etc... Les indications nécessaires sont incluses.

....listing 1....

```
10 //////////////////////////////////////////////////
    CHARGEUR AUTOCAR
    //////////////////////////////////////
40 MODE 0:LOCATE 1,12:PRINT"
L'AUTOCAR ARRIVE..." :POKE &A
EB1,79:POKE &AE82,8:POKE &AE
83,82:POKE &AE84,8:RUN"!AUTO
CAR1"
```

....listing 2....

```
200 DEFINIT a-z:CLS:PRINT"INI
TIALISATIONS",,,, "PATIENCE !
210 DATA 22,0,0,0,164,32,141
,32,25,78,44,15,44,25,10,44,
25,10,44,25,10,0,33,0,0,0,20
7,32,25,255,44,25,10,44,25,2
0,44,25,30,44,25,40,44,25,50
,44,25,60,44,25,70,44,25,80,
0
220 FOR R=0 TO 31:RESTORE 21
0:FOR D=0 TO 21:READ S:POKE
368+22*R+D,S:NEXT:FOR D=0 TO
32:READ S:POKE 1072+33*R+D,
S:NEXT:POKE 370+22*R,R+1:POK
E 1074+33*R,R+33:NEXT
230 POKE &AEB1,111:POKE &AEB
2,1:RESTORE 230:FOR t=0 TO 9
:READ s:POKE &A000+t,s:NEXT:
CALL &A000:DATA &11,&7f,&be,
&21,0,1,&cd,&15,&bb,&cc9
240 RESTORE 50040:FOR h=0 TO
31:READ a$:KEY h,a$:NEXT
250 KEY 26,"list ":KEY 31,"e
dit "
260 KEY 152,"cat"+CHR$(13)
270 DATA 64,65,57,56,49,48,4
1,40,33,25
280 RESTORE 270:FOR r=1 TO 1
0:READ h:m=PEEK(&B34C+h):POK
E &B34C+h,PEEK(&B39C+h):POKE
&B39C+h,m:NEXT
290 RESTORE 290:FOR r=0 TO 9
:READ g:KEY DEF g,1,r+48,r+4
8:NEXT:DATA 15,13,14,5,20,12
,4,10,11,3
300 KEY DEF 79,1,127,127,20:
FOR l=0 TO 3:KEY DEF 72+l,1,
240+l:NEXT:KEY DEF 76,1,&EO:
KEY DEF 77,1,&EO:KEY DEF 24,
1,43,94:KEY DEF 17,1,60:KEY
DEF 19,1,62:KEY DEF 22,1,47,
32:KEY DEF 30,1,63,63:KEY DE
F 32,1,45,48:KEY DEF 7,1,46,
46:KEY DEF 6,1,13,13
310 DATA 11,25,1,10,165,174,1
71,181,163,250,154,175,164,1
```

```
73,169,170,168,134,18,8,23,1
72,-1,28,-1,-1,158,7,14,5,14
9,152,1,142,151,15,138,148,1
47,31,179,133,132,137,141,14
5,146,150,153,131,130,136,18
1,144,143,177,176,129,157,15
9,156,128,19E
320 DATA -1,-1,155,-1,-1,139
,135,140,-1,180
330 RESTORE 310
340 FOR t=0 TO 71:READ a:IF
a<0 THEN 350 ELSE POKE &B3EC
+t,a
350 NEXT
360 SYMBOL AFTER 32:SYMBOL 1
81,&30,8,&66,&66,&66,&66,&3E
370 SYMBOL 175,6,8,60,102,12
6,96,60:SYMBOL 172,0,0,60,10
2,96,62,8,24:SYMBOL 169,96,1
6,120,12,124,204,118:SYMBOL
165,24,36,90,24,24,24,60:SYM
BOL 164,60,66,0,102,102,102,
60:SYMBOL 173,0,0,118,217,22
3,216,119:SYMBOL 196,16,56,4
0,108,68,198,130,254
380 SYMBOL 168,96,16,60,102,
126,96,60:SYMBOL 174,60,102,
129,60,102,102,60:SYMBOL 170
,118,220,0,220,102,102,102:S
YMBOL 171,56,68,186,12,124,2
04,118:SYMBOL 163,60,66,189,
102,126,96,60:SYMBOL 180,0,0
,30,48,28,48,30:SYMBOL 178,0
,102,60,24,60,36,60,24
390 MODE 1:CHAIN MERGE"autoc
ar2",50040,DELETE 200-390
50040 DATA sound,left$(,mid$(
,chr$(,str,plot,cls,then,ret
urn,renum,input,poke,auto,s
peed,draw,for,gosub,goto,ink
ey$,key,locate,pos,next,move
,cat,run,list,peek(window,r
ight$(,test(,edit
```

....listing 3....

```
100 GOTO 50400
200 DELETE 100-
50000 //////////////////////////////////////////////////
    AUTOCAR
    //////////////////////////////////////
50400 RESTORE 50400:FOR r=1
TO 12:READ c:c$=c$+CHR$(c):N
EXT:adr!=PEEK(@c$+1)+256*PEE
K(@c$+2):DATA &dd,&7e,0,&2e,
30,&cd,&12,&bb,&32,0,&b8,&cc9
50405 cd=78:sw=2
50580 //////////////////////////////////////////////////
    PROGRAMME PRINCIPAL
50640 MODE 2:PRINT"Votre AMS
```

TRAD vient d'avoir son clavi
er modifi"CHR\$(175)":PRINT
:PRINT"1) Les symboles ! "+C
HR\$(34)+" # \$ % & ' () =
s'obtiennent en MINUSCULES.
":PRINT

50660 PRINT"2) Les signes ()
sont remplac"CHR\$(175)"s
respectivement par < >en MIN
USCULES":PRINT

50680 PRINT"3) Autres modifi
cations: les slashes \ / sont
sur la m"CHR\$(163)"me touch
e; ? fonctionne en"minuscül
es et majuscules; + peut s'o
btenir en minuscules"CHR\$(1
68)" la place de la livre.":
PRINT"4) On obtient avec CTR
L...

50720 RESTORE 50720:DIM E\$(3
2):FOR t=1 TO 32:READ A\$:E\$(
T)=A\$:NEXT:RESTORE 50040:DAT
A s,\$,%,&,'(,clr,tab,r,u,i,
q,a,y,-,f,g,h,j,k,l,*n,)?,
espace,copy!,w,#,=,e
50760 FOR t=1 TO 32:READ A\$:
IF a\$="" THEN 50800
50780 PRINT E\$(T)" "CHR\$(1)C
HR\$(9)" ";PRINT a\$;
50800 NEXT:ERASE E\$:WINDOW#3
,1,45,20,25

50820 PRINT:PRINT:PRINT"5) D
'autres touches avec CTRL do
nnent divers caract"CHR\$(168
)"res.On obtient avec CTRL:"
:FOR t=0 TO 65:ca=PEEK(&B3EC
+t):IF ca<128 OR ca>159 AND
ca<>255 THEN PRINT#3,CHR\$(1)
CHR\$(PEEK(&B34C+t)):"CHR\$(1)
CHR\$(ca)" ";
50860 NEXT

50900 //
MENU////////////////////
50920 WINDOW #1,48,80,20,25:
PEN #1,0:PAPER #1,1
50925 menu\$=" MENU:"+SPACE\$(
28)+"1: Sortie"+SPACE\$(24)+"
2: Touches de fonction,mots-
cl"+CHR\$(175)+"s 3: Faire un
nouveau caract"+CHR\$(168)+"
re 4: Jeu de caract"+CHR\$(
168)+"res,clavier 5: Re
voir l'introduction "
50940 GOSUB 61630:ON b GOSUB
52150,60210,60520,60920,510
40

51020 IF op=0 THEN 50920 ELS
E op=0:CLS:GOTO 50640
51040 op=1:RETURN
52000 //
SORTIE////////////////////

AUTOCAR

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52150 CLS #1:menu$=" OPTIONS
: "+SPACE$(25)+"1: Sortie"+SPACE$(24)+"2: Menu"+SPACE$(26)
)+"3: Sauvegarde"+SPACE$(20)
)+"4: Vitesse de sauvegarde
S: Destruction"+SPACE$(18)
52180 GOSUB 61630:ON b GOSUB
52200,52210,52220,52240,52270
52190 IF b=4 THEN 52150 ELSE
50920
52200 MODE 2: END
52210 RETURN
52220 PRINT#3,"Appuyez sur R
EC et PLAY puis sur ENTER
52230 IF SW=2 THEN POKE &B8D
1,7:POKE &B8D2,30 ELSE SPEED
WRITE SW
52234 SAVE "AUTOCAR2":CLS#3:
ENT 1,120,-4,1: SOUND 1,500,1
20,7,0,1:RETURN
52240 menu$=" VITESSES DE SA
UVEGARDE:
1: Lente"
+SPACE$(25)+"2: Rapide"+SPAC
E$(24)+"3: Ultra-rapide"+CHR
$(20):GOSUB 61630:IF b>3 THE
N 52240 ELSE sw=b-1:B=4:RETU
RN
52270 MODE 2:POKE 2145,33+xx
:GOTO 200
60200 "TOUCHES-FONCTION
S,MOTS-CLÉS.....cd:nombr
e de caract.disponibles
60210 CLS:WINDOW#2,1,45,1,25
:b=0:menu$=" OPTIONS:"+SPAC
E$(24)+"1:Faire de la place,
annuler 2:Faire une cha
"+CHR$(165)+"ne d'expansion
3:Menu"+CHR$(20)
60220 WHILE b<3:GOSUB 61630:
IF b<3 THEN CN$="":GOSUB 603
00
60230 WEND:RETURN
60300 ON b GOSUB 60400,60450
:IF LEN(cn$)>MAX(cd,1)THEN P
RINT#2,"Trop long":RETURN EL
SE GOSUB 61610:K=PEEK(&B3EC+
nt):IF K<128 OR K>159 THEN P
RINT#2,"Pas de caract"CHR$(1
68)"re d'expansion ici.":RET
URN ELSE CALL adr1,K:KEY K,c
n$:cd=cd+PEEK(&B800)-LEN(cn$
)
60310 RETURN
60400 PRINT#2,"Il y a"cd"car
act"CHR$(168)"res disponible
s.":PRINT#2,"Pour en avoir p
lus,il faut annuler.":RETURN
60450 PRINT#2,"Cha"CHR$(165)
"ne d'expansion":INPUT#2,cn
$:FOR F=1 TO 200:NEXT:RETURN
60500 "SYMBLES
60510 "SYMBLES
60520 FOR N=1 TO 500:NEXT:MO
DE 1:PEN 1:PRINT"b"CHR$(175)
"placer le curseur avec les
fl"CHR$(168)"ches":PRINT"Tr
acer avec COPY, effacer avec
DEL":LOCATE#2,1,3:GOSUB 615
90:LOCATE 1,7
60530 PRINT "AGRANDISSEMENT
MODELE ";LOCATE 2,
20:PRINT"Joystick identique
aux fl"CHR$(168)"ches": MOVE
25,121: DRAWR 141,0: DRAWR
0,141: DRAWR -141,0:DRAWR 0,
-141
60540 K=2:INK 0,0:INK 1,26:I

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NK 2,12,0:PAPER 2:LOCATE 3,1
0:PRINT" "CHR$(8);:w=0:PLOT
400,200,1:DRAWR 26,0,1:DRAWR
0,-22,1:DRAWR -26,0,1:DRAWR
0,22,1:MOVE 406,196
60550 WHILE w<>13 AND w<>32
AND w<>16:W$="":WHILE W$="":
W$=INKEY$:WEND:w=ASC(W$)
60560 W=ASC(W$):IF W=&7F T
HEN K=0 ELSE IF w=&E0 THEN k
=1
60570 IF w>&EF AND w<&F8 T
HEN GOSUB 60660 ELSE IF w=&7
F OR w=&E0 THEN PAPER K:
PRINT" "CHR$(8);:PLOT R 0
,0,K
60580 WEND
60590 PAPER 0:PEN 1:IF w=16
THEN MODE 2:RETURN ELSE LOCA
TE 1,20:PRINT"Num"CHR$(175)"
ro du nouveau caract"CHR$(16
8)"re (sup"CHR$(175)"rieur "
CHR$(169)" 32) ";:INPUT nv:I
F nv<32 THEN 60590
60600 ORIGIN 406,196:GOSUB 6
1460:MODE 2
60610 "SYMBOL:nv=nu
mero..xx=nombre de symboles
faits..w=32:valider""
60620 IF w=16 THEN RETURN EL
SE IF w=32 THEN SYMBOL nv,t(
0),t(1),t(2),t(3),t(4),t(5),
t(6),t(7):RETURN ELSE IF xx=
32 THEN PRINT"PLUS DE PLACE!
":RETURN
60630 PRINT"C'est fait,en li
gne num"CHR$(175)"ro";xx+33;
"On peut encore programmer"3
1-xx"caract"CHR$(168)"res":P
OKE 1079+33*xx,nv
60640 FOR u=0 TO 7:POKE 1082
+33*xx+3*u,t(u):NEXT:xx=xx+1
:RETURN
60650 "Mouvement du curseur"
60660 W=W-&EF:IF w>4 THEN w=
w-4
60670 IF K=2 THEN PAPER 0:PR
INT" "CHR$(8);
60680 PAPER 2:K=2
60690 ON w GOSUB 60710,60760
,60810,60860
60700 PRINT CHR$(8);:RETURN
60710 IF YPOS>195 THEN 60740
60720 IF TESTR(0,0)=1 THEN P
APER 1:k=3
60730 PRINT" ";:RETURN
60740 MOVER 0,2:IF TESTR(0,0
)=0 THEN PRINT CHR$(11)" ";E
LSE PRINT CHR$(11)CHR$(9);:K
=3
60750 RETURN
60760 IF YPOS>183 THEN 60790
60770 IF TESTR(0,0)=1 THEN P
APER 1:k=3
60780 PRINT" ";:RETURN
60790 MOVER 0,-2:IF TESTR(0,
0)=0 THEN PRINT CHR$(10)" ";
ELSE PRINT CHR$(10)CHR$(9);:
K=3
60800 RETURN
60810 IF XPOS>407 THEN 60840
60820 IF TESTR(0,0)=1 THEN P
APER 1:k=3
60830 PRINT" ";:RETURN
60840 MOVER -2,0:IF TESTR(0,
0)=0 THEN PRINT CHR$(8)" ";E
LSE K=3
60850 RETURN

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60860 IF XPOS<419 THEN 60890
60870 IF TESTR(0,0)=1 THEN P
APER 1:k=3
60880 PRINT" ";:RETURN
60890 MOVER 2,0:IF TESTR(0,0
)=0 THEN PRINT CHR$(9)" ";EL
SE PRINT CHR$(9)CHR$(9);:K=3
60900 RETURN
60910 "CARACTERES-CLAVIER"
60920 FOR n=1 TO 500:NEXT:MO
DE 1:INK 0,0:INK 1,25:INK 2,
5,19:PRINT" "CHR$(10)CH
R$(150)CHR$(154);:FOR l=0 TO
15:PRINT CHR$(154)CHR$(8)CH
R$(11)HEX$(l)CHR$(10)CHR$(15
4);:NEXT
60930 FOR t=0 TO 15:PRINT"
"HEX$(t)" "CHR$(149)" ";:FO
R s=0 TO 15:PRINT CHR$(1)+CH
R$(t*16+s)" ";:NEXT:NEXT
60940 a$="":GOSUB 61410
60950 WHILE a$<>" ":a$=UPPER
$(INKEY$)
60960 IF a$=CHR$(13) THEN

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CLS#2:GOSUB 61060:GOSUB 614
10
60970 IF a$("<C" AND a$)"/
" THEN GOSUB 61020
60980 IF a$="I" OR a$="T"
OR a$="R" THEN GOSUB 61140:
GOSUB 61410
60990 WEND
61000 MODE 2:PEN 1:RETURN
61010 '""Conversion.....
.....entree:a$""
61020 LOCATE #2,33,2:PRINT #
2,"&"+a$+" ": LOCATE #2,
35,2
61030 b$=INKEY$:IF b$("<0" OR
b$)"f" THEN 61030 ELSE c$=
"&"+a$+b$:PRINT #2,UPPER$(b
$)"=""; PRINT #2,USING "###";
VAL(c$);
61040 PRINT #2,CHR$(11)CHR$(
11);:RETURN
61050 '""Clavier""
61060 c=0:t=0:GOSUB 61610:RE
STORE 61070:FOR r=1 TO 13:RE
AD m:IF nt=m THEN PRINT#2,"C
e choix peut avoir des effet
s ennuyeux!":GOSUB 61710:CAL
L &BB18
61070 NEXT:DATA 0,1,2,8,9,16
,18,21,23,47,66,70,79
61080 GOSUB 61710:CLS#2:PRIN
T#2,"C'est la touche"nt"." :L
OCATE#2,1,4:PRINT#2,"normal.
.. shift... ctrl...":
PEN#2,2:LOCATE#2,11,4:PRINT#
2,"?"CHR$(8);:PEN#2,1:cx=3:G
OSUB 61230
61090 GOSUB 61580
61100 IF w=16 THEN PRINT CHR
$(8) " ";:CLS #2:RETURN ELSE
IF w=32 THEN KEY DEF nt,1,U(
3),U(2),U(1):PRINT CHR$(8)"
";:CLS #2:RETURN ELSE IF w<
13 THEN 61090
61110 IF zz>31 THEN CLS #2:P
RINT #2,"**PLUS DE PLACE!**"
:CALL &BB18:PRINT #0,CHR$(8)
" ";:CLS #2: RETURN
61120 CLS #2:PRINT #2:PRINT
#2,"C'est fait,en ligne num"
CHR$(175)"ro";zz+1:PRINT #2,
"On peut encore programmer"3
1-zz"touches":CALL &BB18:CLS
#2:PRINT #0,CHR$(8) " ";
61130 POKE 377+22*zz,nt:POKE
382+22*zz,U(3):POKE 385+22*
zz,U(2):POKE 388+22*zz,U(1):
zz=zz+1: RETURN
61140 'Modifications de
caracteres...a$=choix''
61150 CLS #2:IF a$="T" THEN
PRINT#2,"A gauche:1, "CHR$(1
69)" droite:2, t"CHR$(163)"t
e en bas:3?":d$="":WHILE d$(<
"1"OR d$)"3":d$=INKEY$:WEND:
d=VAL(d$)
61160 CLS#2:PRINT#2,"Quel ca
ract"CHR$(168)"re ?":LOCATE#
2,1,4:PRINT#2,"?"CHR$(8);:cx

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=1:ORIGIN 0,62:GOSUB 61230
61170 IF a$="I" THEN GOSUB 6
1440 ELSE IF a$="R" THEN GOS
UB 61520 ELSE ON d GOSUB 614
80,61500,61540
61175 PRINT#2,CHR$(30)"Place
attribu"CHR$(175)"e au nouv
eau caract"CHR$(168)"re ?""F
aire de m"CHR$(163)"me. ESPA
CE: garder la place." :cx=1:P
RINT#2,CHR$(21):X1=X:Y1=Y:GO
SUB 61230:PRINT#2,CHR$(6):nv
=16*Y+X-51:IF MM=-207 THEN n
v=16*Y1+X1-51:LOCATE X1+5,Y1
61180 IF nv<32 THEN 61175 EL
SE PRINT CHR$(8) " ";:LOCATE#
2,1,5:GOSUB 61580:WINDOW SWA
P 2:CLS:GOSUB 60610:WINDOW S
WAP 2
61190 IF w=32 THEN PRINT CHR
$(nv) ELSE IF w=13 THEN CALL
&BB18
61200 CLS#2:RETURN
61210 '""
61220 ' FLECHE..cx=NOMBRE DE
SELECTIONS..U(0);U(1)..=CAR
ACTERES CHOISIS
61230 X=3:Y=3:po=POS(#2):vp=
VPOS(#2):PRINT#2,CHR$(30)" .D
"CHR$(175)"placer la fl"CHR$(
168)"che,COPY pour choisir,
";:IF cx=3 THEN PRINT#2,"ESP
ACE pour ne pas changer"
61235 LOCATE#2,1,7:PRINT#2,"
Joystick identique aux fl"CH
R$(168)"ches." :LOCATE#2,po,
vp
61240 PEN 2
61250 WHILE cx:MM=5
61260 WHILE MM>0:ON MM GOS
UB 61360,61370,61380,61390,6
1350
61270 LOCATE 2*X+1,Y: P
RINT CHR$(243);:F$=""
61280 WHILE F$="":F$=IN
KEY$:WEND
61290 PRINT CHR$(8) " ";
:MM=ASC(F$)-&EF
61300 WEND
61310 IF mm=-15 THEN U(cx)
=16*(Y-3)+X-3 ELSE U(cx)=PEE
K(&B43C+nt-80*cx)
61320 PRINT #2,CHR$(1)CHR$(
U(cx));:cx=cx-1
61330 IF cx THEN LOCATE #2
,47-12*cx,4:PEN #2,2:PRINT#2
,"?"CHR$(8);:PEN #2,1
61340 WEND
61350 RETURN
61360 Y=MAX(Y-1,3):RETURN
61370 Y=MIN(Y+1,18):RETURN
61380 X=MAX(X-1,3):RETURN
61390 X=MIN(X+1,18):RETURN
61400 ' Menu auxiliaire
61410 WINDOW #2,1,40,19,25:P
RINT #2,"Menu...ESPACE ": PR
INT #2,"Conversion d"CHR$(17
5)"cimale..forme hexa?";
61420 PRINT#2,"Changer l'eff

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et d'une touche..ENTER","In
verser un caract"CHR$(168)"
re..I","Tourner un caract
"CHR$(168)"re..T","Renverse
r un caract"CHR$(168)"re..R
":RETURN
61430 ' Inversion
61440 FOR i=0 TO 7:FOR j=0 T
O 7:mat(i,j)=1-TEST(i+i,-j-j
):NEXT:NEXT:GOTO 61560
61450 ' Copie
61460 FOR i=0 TO 7:FOR j=0 T
O 7:mat(i,j)=TEST(i+i,-j-j):
NEXT:NEXT:GOTO 61560
61470 ' Gauche
61480 FOR i=0 TO 7:FOR j=0 T
O 7:mat(i,j)=TEST(14-j-j,-i-
i):NEXT:NEXT:GOTO 61560
61490 ' Droite
61500 FOR i=0 TO 7:FOR j=0 T
O 7:mat(i,j)=TEST(j+j,i+i-14
):NEXT:NEXT:GOTO 61560
61510 ' Retournement
61520 FOR i=0 TO 7:FOR j=0 T
O 7:mat(i,j)=TEST(14-i-i,-j-
j):NEXT:NEXT:GOTO 61560
61530 ' Tete en bas
61540 FOR i=0 TO 7:FOR j=0 T
O 7:mat(i,j)=TEST(14-i-i,j+j
-14):NEXT:NEXT:GOTO 61560
61550 '""Lecture""
61560 FOR z=0 TO 7:t(z)=0:FO
R e=0 TO 7:t(z)=t(z)+(mat(e,
Z))*(2^(7-e)):PLOT 2*e,-2*Z;
mat(e,Z):NEXT:NEXT:RETURN
61570 '""Valider,program
mer,ou annuler?...w=32,13,ou
16,selon""
61580 GOSUB 61590:J$="":WHIL
E j$="":J$=INKEY$:WEND:w=ASC
(j$):RETURN
61590 PRINT#2,TAB(9)"Valider
.....ESPACE"TAB(9)"Programm
er...ENTER"TAB(9)"Annuler...
...CLR"SPC(8):FOR p=1 TO 300
:NEXT:RETURN
61600 '""Gue
tter le clavier...nt:numer
o de la touche pressee'
61610 GOSUB 61710:PRINT#2,TA
B(1)"Appuyer sur la touche
voulu." :sc=0:WHILE sc=0:t=(
t+1)MOD 10:sc=PEEK(&B4EB+t):
WEND:nt=8*t+LEN(BIN$(sc))-1:
RETURN
61620 '""Afficher menu...
.....b=choix effectue'
61630 PRINT #1,CHR$(30)+MENU
$: :LOCATE 47,20:PRINT CHR$(2
43);:GOSUB 61710:b=0:WHILE b
<1 OR b>5:b=VAL(INKEY$+".0")
:WEND:PRINT CHR$(8) " ":RETUR
N
61700 '""Vider le
tampon d'entree'
61710 FOR h=1 TO 30:hh$=INKE
Y$:NEXT:RETURN

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