

AMSBASES

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10 REM *****
*****
20 REM ***** OSMONT Denis
*****
30 REM ***** St Jean du Cardonna
y *****
40 REM ***** 76150 MAROMME
*****
50 REM *****
*****
60 ON BREAK CONT
70 MODE 2:WINDOW #1,2,79,2,24:CLEAR:WINDOW
#2,2,79,5,24:WINDOW #3,2,79,9,24
80 CLS#1:INK 0,1:INK 1,26:GOSUB 1080:GOSUB
800:GOSUB 1000:GOTO 2140
90 CLS#1:LOCATE 2,2
100 PRINT STRING$(78,"-")
110 LOCATE 18,3:PRINT"C O N V E R S I O N
S   G E N E R A L E S"
120 LOCATE 2,4:PRINT STRING$(78,"-")
130 CLS#2
140 LOCATE 5,7:PRINT STRING$(14,CHR$(208))
150 LOCATE 5,6:INPUT"decim. en bin.: ";a:IF
a>65535 THEN 160 ELSE 170
160 LOCATE 22,6:PRINT STRING$(20," "):GOTO
150
170 LOCATE 22,7:PRINT BIN$(a,8)
180 LOCATE 5,11:PRINT STRING$(14,CHR$(208))
)
190 LOCATE 5,10:INPUT"decim. en hex.: ";b:
IF b>65535 THEN 200 ELSE 210
200 LOCATE 22,10:PRINT STRING$(20," "):GOT
O 190
210 LOCATE 22,11:PRINT HEX$(b,8)
220 GOSUB 340
230 GOSUB 610
240 GOSUB 520 :GOSUB 750
250 LOCATE 10,23:PRINT"Une autre serie de
conversion (O/N) ?"
260 qw$=INKEY$:IF qw$="" THEN 260
270 IF UPPER$(qw$)="O" THEN 130
280 IF UPPER$(qw$)="N" THEN 300
290 IF UPPER$(qw$)<>"O" OR UPPER$(qw$)<>"N
" THEN 260
300 CLS#1:GOTO 2140
310 INK 0,1:INK 1,26:END
320 REM ***** calculs *****
330 REM *****
340 LOCATE 5,15:PRINT STRING$(14,CHR$(208))
):LOCATE 5,14:INPUT"bin. en decim.: ";c$:c
=VAL(c$):c1$=c$:pli=20:plo=15:code=0
350 IF LEN(c$)>16 THEN 360 ELSE 370

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Cet utilitaire, très simple à utiliser, devrait faciliter la tâche aux personnes désireuses de se mettre à l'assembleur ou voulant effectuer des conversions entre des bases différentes. Vous aurez, ici, le choix entre 6 conversions possibles. Finis les calculs difficiles, les pertes de temps et les risques d'erreur.

Denis Osmont

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360 LOCATE 20,14:PRINT STRING$(30," "):GOT
O 340
370 t=0:v=-1
380 IF LEN(c$)>9 THEN 400 ELSE 390
390 z1=LEN(STR$(c)):z1=z1-1:GOTO 420
400 zz$=RIGHT$(c$,8):zzk=LEN(zz$):code=1:c
=VAL(zz$):z1=zzk:GOTO 420
410 z1=LEN(c1$)-zzk:x=1 :code=2:c=VAL(LEFT
$(c$,zzk))
420 FOR i=z1 TO 1 STEP-1
430 v=v+1:z$=MID$(STR$(c),i+1,1):z2=VAL(z$
)
440 t=t+(z2*(2^v))
450 NEXT
460 IF code=1 THEN 410 ELSE 480
470 IF code=1 THEN 410 ELSE 480
480 LOCATE pli,plo:PRINT USING "#####";
t
490 RETURN
500 REM ***** calculs *****
510 REM *****
520 LOCATE 52,7:PRINT STRING$(14,CHR$(208))
):LOCATE 52,6 :INPUT"hex. en decim.: &",&d$
:IF d$="" THEN d$="0"
530 GOSUB 2270:pli=67:plo=7
540 IF STR$(d)>HEX$(65535) THEN 550 ELSE 5
60
550 LOCATE 67,6:PRINT STRING$(8," "):GOTO
520
560 IF d<0 THEN d=65536+d
570 LOCATE pli,plo:PRINT USING "#####";
d
580 RETURN
590 REM ***** calculs *****
600 REM *****
610 LOCATE 5,19:PRINT STRING$(14,CHR$(208))
):pli=22:plo=19:LOCATE 5,18:INPUT"bin. en
hex. : ";e$:e=VAL(e$):e1$=e$:code=0:v=0
620 t=0:v=-1
630 IF LEN(e$)>16 THEN 640 ELSE IF LEN(e$)
>9 THEN 650 ELSE 670
640 LOCATE 20,18:PRINT STRING$(30," "):GOT
O 610
650 c=e:c1$=e1$:c$=e$:GOSUB 370:GOTO 710
660 GOTO 710
670 z1=LEN(STR$(e)):z1=z1-1
680 FOR i=z1 TO 0 STEP-1

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690 v=v+1:z$=MID$(STR$(e),i+1,1):z2=VAL(z$
)t=t+(z2*(2^v))
700 NEXT
710 LOCATE pli,plo:PRINT HEX$(t,8)
720 RETURN
730 REM ***** calculs *****
740 REM *****
750 LOCATE 52,11:PRINT STRING$(14,CHR$(208
)):LOCATE 52,10:INPUT"hex. en bin. : &",f
$:IF f$="" THEN f$="0"
760 GOSUB 2280:pli=64:plo=11
770 IF f<0 THEN f=65536+f
780 LOCATE pli,plo:PRINT BIN$(f,16)
790 RETURN
800 CLS #3:LOCATE 8,10:PRINT"Ce logiciel d
'aide a la programmation,devrait faciliter
la tache aux"
810 LOCATE 5,12:PRINT"personnes desireuses
de s'initier au langage 'Assembleur' .Il
permet,en"
820 LOCATE 5,14:PRINT"effet, la realisatio
n de conversions entre des bases different
es et no-"
830 LOCATE 5,16:PRINT"tamment,ici,entre le
s decimales,binaires et hexadecimales."
840 LOCATE 8,18:PRINT"Vous aurez le choix
entre 6 conversions possibles prises sepa
rement"
850 LOCATE 5,20:PRINT"ou ensemble."
860 LOCATE 46,23:PRINT"< APPUYEZ sur une T
OUCHE >"
870 CALL &BB06
880 CLS#3:RETURN
890 REM ***** presentation *****
900 REM *****
910 FOR j=1 TO 10
920 FOR i=1 TO 7
930 LOCATE 10+(INT(RND*60)+i),1+(INT(RND*2
)+i):PRINT"."
940 SOUND 1,40+i+(60*j)/i,2
950 GOSUB 990
960 NEXT:NEXT:RETURN
970 REM ***** trace cadre *****
980 REM *****
990 ORIGIN 0,0:PLOT 1,1:DRAWR 0,398:DRAWR
638,0:DRAWR 0,-398:DRAWR -638,0:RETURN
1000 CLS#3:LOCATE 8,10:PRINT"R E M A R Q U
E I M P O R T A N T E"
1010 LOCATE 8,14:PRINT"Les conversions ne
sont possibles que sur des nombres compris
entre:"
1020 LOCATE 14,16:PRINT"- 0 et 65535
systeme decimal"
1030 LOCATE 14,18:PRINT"- 0 et FFFF
systeme hexadecimal"
1040 LOCATE 14,20:PRINT"- 0 et 1111111111
11111 systeme binaire"
1050 GOTO 860
1060 REM ***** presentation *****
1070 REM *****
1080 CLS#1
1090 INK 0,1:INK 1,26:BORDER 0:PAPER 0:PEN
1
1100 GOSUB 990
1110 GOSUB 1190
1120 LOCATE 60,20:PRINT"janvier 1986"
1130 LOCATE 60,21:PRINT STRING$(12,CHR$(20
8))
1140 LOCATE 20,23:PRINT"Denis DSMONT"
1150 LOCATE 20,24:PRINT STRING$(12,CHR$(20
8))
1160 FOR i=1 TO 100:SOUND 2,i,2:SOUND 1,i,
4:NEXT
1170 GOSUB 860
1180 RETURN
1190 GOSUB 910:ORIGIN 0,0:PLOT 50,300:RES
TORE 1230
1200 FOR i=1 TO 8
1210 READ a:READ b:DRAWR a,b
1220 NEXT
1230 DATA &0,&32,&1E,&0,&0,-7,-18,&0,&0,-3
6,&12,&0,&0,-7,-30,&0
1240 LOCATE 14,6:PRINT"O N V E R S I O N S
":LOCATE 29,10:PRINT"DE":LOCATE 29,11:PRIN
T"--":PLOT &78,&96:DRAWR 0,&32:DRAWR &1E,0
:DRAWR 0,-20:PLOT &96,&84:DRAW &91,&AF:PLO
T &91,&AF:DRAW &96,&AA:PLOT &96,&AA:DRAWR
0,-20:DRAWR -30,0
1250 PLOT 125,155:DRAWR 0,15:DRAWR 20,0:DR
AWR 0,-15:DRAWR -20,0:PLOT 125,180:DRAWR 0
,15:DRAWR 20,0:DRAWR 0,-15:DRAWR -20,0:LOC
ATE 21,16:PRINT"A S E S":LOCATE 16,17:PRIN
T STRING$(12,CHR$(208))
1260 LOCATE 14,7:PRINT STRING$(19,"-")
1270 RETURN
1280 ***** menu des conversions particlie
res ****
1290 *****
*****
1300 CLS#1:GOSUB 2090
1310 CLS#2
1320 LOCATE 30,5:PRINT"M E N U":LOCATE 30,
6:PRINT"-----"
1330 LOCATE 8,10:PRINT"[ 1 ].....DEC. en
BIN."
1340 LOCATE 8,12:PRINT"[ 2 ].....DEC. en
HEX."
1350 LOCATE 8,14:PRINT"[ 3 ].....BIN. en
DEC."
1360 LOCATE 8,16:PRINT"[ 4 ].....BIN. en
HEX."
1370 LOCATE 8,18:PRINT"[ 5 ].....HEX. en
DEC."
1380 LOCATE 8,20:PRINT" [6] .....HEX. en
BIN."
1390 LOCATE 8,22:PRINT" [7] .....M E N

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U"
1400 qw$=UPPER$(INKEY$):IF qw$="" THEN 1400
1410 ty=VAL(qw$)
1420 IF ty=1 THEN 1430 ELSE 1440
1430 GOSUB 2260:GOTO 1580
1440 IF ty=2 THEN 1450 ELSE 1460
1450 GOSUB 2260:GOTO 1640
1460 IF ty=7 THEN 1470 ELSE 1480
1470 GOSUB 2260:GOTO 2140
1480 IF ty=3 THEN 1490 ELSE 1500
1490 GOSUB 2260:GOTO 1700
1500 IF ty=4 THEN 1510 ELSE 1520
1510 GOSUB 2260:GOTO 1780
1520 IF ty=5 THEN 1530 ELSE 1540
1530 GOSUB 2260:GOTO 1860
1540 IF ty=6 THEN 1550 ELSE 1400
1550 GOSUB 2260:GOTO 1920
1560 **** calculs ****
1570 ****
1580 CLS#2:GOSUB 2090:GOSUB 1970
1590 LOCATE 20,12:INPUT"decim. en bin. : ";
a:IF a>65535 THEN 1600 ELSE 1610
1600 LOCATE 37,12:PRINT STRING$(20," "):GO
TO 1590
1610 LOCATE 37,14:PRINT BIN$(a,8)
1620 GOSUB 2000
1630 GOTO 1580
1640 CLS#2:GOSUB 2090:GOSUB 1970
1650 LOCATE 20,12:INPUT"decim. en hex. : ";
b:IF b>65535 THEN 1660 ELSE 1670
1660 LOCATE 37,12:PRINT STRING$(20," "):GO
TO 1650
1670 LOCATE 37,14:PRINT HEX$(b,8)
1680 GOSUB 2000
1690 GOTO 1640
1700 CLS#2:GOSUB 2090:GOSUB 1970
1710 LOCATE 20,12:INPUT"bin. en decim. : ";
c$:IF LEN(c$)>16 THEN 1720 ELSE 1730
1720 LOCATE 36,12:PRINT STRING$(30," "):GO
TO 1710
1730 pli=37:plo=14:code=0:c=VAL(c$):c1$=c$
1740 GOSUB 370
1750 pli=37:plo=14
1760 GOSUB 2000
1770 GOTO 1700
1780 CLS#2:GOSUB 2090:GOSUB 1970
1790 LOCATE 20,12:INPUT"bin. en hex. : ";
e$
1800 IF LEN(e$)>16 THEN 1810 ELSE 1820
1810 LOCATE 36,12:PRINT STRING$(30," "):GO
TO 1790
1820 pli=37:plo=14:e=VAL(e$):e1$=e$:code=0
:v=0
1830 GOSUB 620
1840 GOSUB 2000
1850 GOTO 1780
1860 CLS#2:GOSUB 2090:GOSUB 1970

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1870 LOCATE 20,12:INPUT"hex. en decim.: &"
,d$:IF d$="" THEN d$="0"
1880 GOSUB 2270
1890 pli=37:plo=14:GOSUB 560
1900 GOSUB 2000
1910 GOTO 1860
1920 CLS#2:GOSUB 2090:GOSUB 1970
1930 LOCATE 20,12:INPUT"hex. en bin. : &"
,f$:IF f$="" THEN f$="0"
1940 GOSUB 2280:pli=37:plo=14:GOSUB 770
1950 GOSUB 2000
1960 GOTO 1920
1970 LOCATE 20,13:PRINT STRING$(14,CHR$(20
8)):RETURN
1980 ***** interrogation retour *****
***
1990 *****
***
2000 LOCATE 4,23:PRINT"La meme conversion
(O/N) ?"
2010 pp$=UPPER$(INKEY$):IF pp$="" THEN 2010
2020 IF pp$="O" THEN RETURN
2030 IF pp$="N" AND qw$="1" THEN 1310
2040 IF pp$="N" AND qw$="2" THEN 1310
2050 IF pp$="N" AND qw$="3" THEN 1310
2060 IF pp$="N" AND qw$="4" THEN 1310
2070 IF pp$="N" AND qw$="5" THEN 1310
2080 IF pp$="N" AND qw$="6" THEN 1310
2090 LOCATE 2,2:PRINT STRING$(78,"-")
2100 LOCATE 15,3:PRINT"C O N V E R S I O N
S P A R T I C U L I E R E S"
2110 LOCATE 2,4:PRINT STRING$(78,"-"):RETU
RN
2120 REM ***** menu general *****
2130 REM *****
2140 CLS#1:LOCATE 30,3:PRINT"< M E N U >"
2150 PLOT 218,345:DRAWR 115,0:DRAWR 0,30:D
RAWR -115,0:DRAWR 0,-30
2160 LOCATE 8,10:PRINT" [ 1 ].....Convers
ions generales"
2170 LOCATE 8,12:PRINT"[ 2 ].....Convers
ions particulieres"
2180 LOCATE 8,14:PRINT"[ 3 ].....Fin des
travaux"
2190 re$=INKEY$:IF re$="" THEN 2190
2200 IF re$="3" THEN ON BREAK STOP:GOTO 22
90
2210 IF re$="1" THEN 2220 ELSE 2230
2220 GOSUB 2260:GOTO 90
2230 IF re$="2" THEN 2240 ELSE 2250
2240 GOSUB 2260:GOTO 1300
2250 IF re$(">")"1" OR re$(">")"2" THEN 2190
2260 SOUND 1,120,30:RETURN
2270 d=VAL("&"+UPPER$(d$)):RETURN
2280 f=VAL("&"+UPPER$(f$)):RETURN
2290 ON BREAK STOP:LOCATE 35,14:PRINT"----
- [ TERMINE ] -----":GOTO 2290

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