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10 '***** [2798]

20 ' [175]

30 ' I N I T I A L I S A [2343]

T I O N D U D E S S I N

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40 ' [175]

50	*	DE LA	[977]	,18: DRAW -40,0: DRAW 0,-18	
		CALCULATRICE		440 MOVE 339,294: DRAW 33,0: DRAW 0	[3287]
	*			,18: DRAW -33,0: DRAW 0,-18	
60	*		[175]	450 MOVE 185,320: DRAW 270,0: DRAW	[2974]
				0,45: DRAW -270,0: DRAW 0,-45	
	*			460 FOR I=1 TO 45 STEP 2	[1116]
70	*	Norbert SILVE	[3172]	470 DRAW 270,0: MOVE 185,320+I	[973]
STRE	-	NOVEMBRE 19		480 NEXT I	[375]
86	*			490	[117]
80	*		[175]	500 DESSIN DES TOUCHES	[857]
	*			510	[117]
90	*****		[2798]	520 SYMBOL AFTER 170	[1438]
	*****			530 SYMBOL 171,&41,&E2,&44,&B,&10,&	[1924]
	*****			20,&47,&80	
100			[117]	540 SYMBOL 193,&0,&E2,&13,&72,&92,&	[2125]
110			[117]	92,&7A,&0	
120	INK 0,13: INK 1,0: INK 2,15: INK 3		[1777]	550 SYMBOL 194,&0,&C6,&29,&8,&8,&9,	[2173]
	,6			&6,&0	
130	BORDER 13: PAPER 0		[1261]	560 SYMBOL 195,&0,&72,&82,&62,&12,&	[2099]
140	MODE 1		[506]	12,&E2,&0	
150	MOVE 8,0: DRAW 624,0,1: MOVE 639		[2819]	570 SYMBOL 196,&0,&58,&64,&44,&44,&	[2300]
	,8: DRAW 0,384,1			44,&44,&0	
160	MOVE 632,399: DRAW -624,0,1: MOV		[3684]	580 SYMBOL 197,&0,&63,&94,&84,&84,&	[2437]
	E 0,392: DRAW 0,-384,1			94,&63,&0	
170			[117]	590 SYMBOL 198,&0,&8E,&50,&4C,&42,&	[1887]
180	DEG		[133]	42,&9C,&0	
190	FOR I=0 TO 3		[474]	600 SYMBOL 199,&0,&8E,&E1,&87,&89,&	[2524]
200	READ A,B		[544]	89,&67,&0	
210	ORIGIN A,B		[292]	610 SYMBOL 200,&0,&2C,&32,&22,&22,&	[1919]
220	FOR J=0 TO 90 STEP 15		[820]	22,&22,&0	
230	PLOT -8*COS(J+90*I),-8*		[1816]	620 SYMBOL 201,&0,&84,&84,&A3,&D0,&	[1851]
	SIN(J+90*I)			90,&93,&0	
240	NEXT J		[370]	630 SYMBOL 202,&0,&B8,&A4,&A4,&B8,&	[2121]
250	NEXT I		[375]	A0,&20,&0	
260			[117]	640 SYMBOL 203,&0,&E0,&90,&91,&93,&	[2828]
270	ORIGIN 0,0		[298]	94,&E4,&0	
280	MOVE 0,379: DRAW 639,0,1		[1723]	650 SYMBOL 204,&0,&5C,&52,&92,&1C,&	[2396]
290	MOVE 160,379: DRAW 0,20: MOVE 48		[2103]	14,&12,&0	
	0,379: DRAW 0,20			660 SYMBOL 205,&40,&40,&54,&5A,&52,	[2444]
300	TAG: MOVE 220,395		[974]	&52,&52,&0	
310	PRINT "CALCULATRICE";		[1787]	670 SYMBOL 206,&0,&0,&C6,&28,&10,&2	[1838]
320	TAGOFF		[1066]	8,&C6,&0	
330			[117]	680 SYMBOL 207,&1,&38,&44,&78,&41,&	[2149]
340			[117]	44,&38,&0	
350			[117]	690 SYMBOL 208,&8C,&50,&20,&50,&8C,	[2286]
360	MOVE 179,10: DRAW 281,0: DRAW 0		[3422]	&0,&0,&0	
	,360: DRAW -281,0: DRAW 0,-360			700 SYMBOL 209,&0,&40,&4C,&52,&52,&	[2546]
370	MOVE 185,15: DRAW 270,0: DRAW 0		[5487]	52,&4C,&0	
	,270: DRAW -270,0: DRAW 0,-270			710 SYMBOL 210,&0,&0,&60,&80,&80,&9	[2200]
380	FOR I=0 TO 270 STEP 2		[727]	0,&60,&0	
390	DRAW 270,0: MOVE 185,15+I		[615]	720 SYMBOL 211,&0,&0,&C6,&28,&10,&2	[1879]
400	NEXT I		[375]	8,&C6,&0	
410	MOVE 185,290: DRAW 270,0: DRAW		[3875]	730 SYMBOL 212,&E0,&10,&60,&80,&F0,	[1930]
	0,26: DRAW -270,0: DRAW 0,-26			&0,&0,&0	
420	MOVE 215,294: DRAW 40,0: DRAW		[3559]	740 SYMBOL 213,&0,&1,&2,&4,&88,&50,	[2170]
	0,18: DRAW -40,0: DRAW 0,-18			&20,&20	
430	MOVE 278,294: DRAW 40,0: DRAW 0		[4083]	750 SYMBOL 214,&0,&FE,&0,&88,&50,&2	[2928]

0,&50,&88
 760 SYMBOL 215,&0,&20,&61,&22,&24,& [2416]
 8,&10,&0
 770 SYMBOL 216,&0,&80,&22,&14,&8,&1 [2828]
 4,&22,&0
 780 SYMBOL 217,&0,&53,&22,&52,&2,&1 [2568]
 2,&A,&6
 790 SYMBOL 218,&0,&F8,&0,&50,&70,&1 [1957]
 0,&60,&0
 800 SYMBOL 219,&0,&44,&29,&10,&28,& [1888]
 45,&1,&1
 810 SYMBOL 220,&0,&A4,&A4,&9C,&4,&4 [2448]
 ,&B8,&0
 820 SYMBOL 221,&0,&3,&48,&48,&3B,&8 [1855]
 ,&70,&0
 830 SYMBOL 222,&0,&60,&80,&80,&60,& [2237]
 0,&0,&0
 840 SYMBOL 223,&0,&7E,&24,&24,&24,& [2868]
 26,&0,&0
 850 SYMBOL 224,&10,&10,&7C,&10,&11, [1876]
 &2,&4,&0
 860 SYMBOL 225,&0,&20,&40,&80,&0,&3 [2328]
 E,&0,&0
 870 SYMBOL 226,&0,&77,&81,&61,&11,& [1576]
 11,&E1,&0
 880 SYMBOL 227,&0,&CC,&12,&12,&12,& [2167]
 12,&C,&0
 890 SYMBOL 228,&0,&71,&4A,&4A,&72,& [2182]
 52,&49,&0
 900 SYMBOL 229,&0,&D0,&10,&10,&10,& [1878]
 10,&DE,&0
 910 SYMBOL 230,&0,&7,&1F,&7F,&7F,&1 [2785]
 F,&7,&0
 920 SYMBOL 231,&0,&0,&FE,&FE,&FE,&F [1488]
 E,&0,&0
 930 SYMBOL 232,&18,&7E,&7E,&FF,&FF, [2463]
 &7E,&7E,&18
 940 SYMBOL 233,&FF,&E3,&DD,&DD,&DD, [2186]
 &DD,&E3,&FF
 950 SYMBOL 234,&FF,&3B,&5B,&6B,&73, [2309]
 &7B,&7B,&FF
 960 SYMBOL 235,&FF,&C6,&BA,&BA,&BA, [2616]
 &BA,&C6,&FF
 970 SYMBOL 236,&FF,&23,&EF,&67,&EF, [2189]
 &EF,&EF,&FF
 980 SYMBOL 237,&0,&73,&4A,&4B,&4A,& [2143]
 4A,&73,&0
 990 SYMBOL 238,&0,&9C,&20,&20,&26,& [2145]
 22,&9C,&0
 1000 SYMBOL 239,&0,&73,&4A,&4A,&73, [2108]
 &52,&4A,&0
 1010 SYMBOL 240,&0,&DC,&52,&52,&D2, [2227]
 &52,&5C,&0
 1020 SYMBOL 241,&0,&F,&8,&8,&38,&78 [2046]
 ,&30,&0
 1030 SYMBOL 242,&0,&F8,&8,&8,&38,&7 [2436]
 B,&30,&0

1040 SYMBOL 245,&0,&73,&4A,&4B,&4A, [1947]
 &4A,&73,&0
 1050 SYMBOL 246,&0,&CE,&10,&90,&10, [2546]
 &10,&CE,&0
 1060 FOR I=0 TO 4 [477]
 1070 FOR J=0 TO 3 [705]
 1080 MOVE 201+J*67,20+I*30 [1286]
 1090 FOR K=1 TO 21 STEP 2 [1524]
 1100 IF J=3 THEN ENCRE [1371]
 =2 ELSE ENCRE=0
 1110 IF I=4 AND J=0 TH [1655]
 EN ENCRE=2
 1120 DRAWR 40,0,ENCRE: [1932]
 MOVE 201+J*67,20+I*30+K
 1130 NEXT K [373]
 1140 MOVE 192+I*54,170+J*30 [1561]
 1150 FOR K=1 TO 21 STEP 2 [1524]
 1160 IF I=4 AND J=3 TH [2589]
 EN ENCRE=2 ELSE ENCRE=0
 1170 DRAWR 38,0,ENCRE:M [650]
 OVE 192+I*54,170+J*30+K
 1180 NEXT K [373]
 1190 NEXT J [370]
 1200 NEXT I [375]
 1210 [117]
 1220 DEFINITION DU CLAVIER [1283]
 1230 [117]
 1240 PRINT CHR\$(23)CHR\$(1):PLOT 700 [2363]
 ,700,1
 1250 TAG [318]
 1260 FOR I=0 TO 2 [471]
 1270 FOR J=0 TO 2 [702]
 1280 MOVE 215+I*67,67+J*30 [1476]
 1290 PRINT CHR\$(49+I*3+J); [1372]
 1300 NEXT J [370]
 1310 NEXT I [375]
 1320 MOVE 215,37:PRINT CHR\$(48); [1447]
 1330 MOVE 282,37:PRINT CHR\$(144); [1872]
 1340 MOVE 340,37:PRINT CHR\$(224)CHR [2935]
 \$(225);
 1350 PLOT 700,700,3 [593]
 1360 FOR I=0 TO 4 [477]
 1370 READ A [428]
 1380 MOVE 416,37+I*30:PRINT CHR [1590]
 \$(A);
 1390 NEXT I [375]
 1400 MOVE 420,276:PRINT CHR\$(67); [2430]
 1410 MOVE 207,157:PRINT CHR\$(67)CHR [2605]
 \$(69);
 1420 PLOT 700,700,1 [587]
 1430 MOVE 275,157:PRINT CHR\$(69)CHR [2240]
 \$(69);
 1440 MOVE 346,157:PRINT CHR\$(223); [1359]
 1450 MOVE 196,277:PRINT CHR\$(193)CH [1921]
 R\$(194);
 1460 MOVE 250,277:PRINT CHR\$(195)CH [1809]
 R\$(196);

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1470 MOVE 304,277:PRINT CHR$(197)CH [2518]
R$(198);
1480 MOVE 358,277:PRINT CHR$(199)CH [2221]
R$(200);
1490 MOVE 196,247:PRINT CHR$(201)CH [3121]
R$(202);
1500 MOVE 250,247:PRINT CHR$(203)CH [2489]
R$(204);
1510 MOVE 304,247:PRINT CHR$(205)CH [2421]
R$(206);
1520 MOVE 358,247:PRINT CHR$(207)CH [3441]
R$(208);
1530 MOVE 412,247:PRINT CHR$(209)CH [1841]
R$(210);
1540 MOVE 196,217:PRINT CHR$(211)CH [2485]
R$(212);
1550 MOVE 250,219:PRINT CHR$(213)CH [2766]
R$(214);
1560 MOVE 304,217:PRINT CHR$(215)CH [1391]
R$(216);
1570 MOVE 412,217:PRINT CHR$(217)CH [2125]
R$(218);
1580 MOVE 358,189:PRINT CHR$(219)CH [1422]
R$(220);
1590 MOVE 412,187:PRINT CHR$(221)CH [2020]
R$(222);
1600 MOVE 358,217:PRINT CHR$(211)CH [1470]
R$(233);
1610 MOVE 310,187:PRINT CHR$(190); [1635]
1620 MOVE 196,187:PRINT CHR$(226)CH [838]
R$(227);
1630 MOVE 250,187:PRINT CHR$(228)CH [2832]
R$(229);
1640 MOVE 400,310:PRINT CHR$(235)CH [1946]
R$(236);
1650 MOVE 220,310:PRINT CHR$(237)CH [3335]
R$(238);
1660 MOVE 341,310:PRINT CHR$(241)CH [2937]
R$(242);
1670 MOVE 282,310:PRINT CHR$(245)CH [1872]
R$(246);
1680 TAGOFF [1066]
1690 [117]
1700 SAUVEGARDE DE L'IMAGE [987]
1710 [117]
1720 SAVE"ECRAN.BIN",B,&C000,&4000 [2072]
1730 [117]
1740 END [110]
1750 [117]
1760 DATA 8,8,631,8,631,391,8,391 [1001]
1770 DATA 61,43,45,120,172 [625]

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20 * [175]

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30 * EMULATION [1973]
DE LA CALCULATRICE
E *
40 * [175]

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50 * Norbert SILV [3172]
ESTRE - NOVEMBRE 19
8 6 *
60 * [175]

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70 ***** [2798]
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80 [117]
90 CHARGEMENT DE L'IMAGE [1839]
100 [117]
110 MODE 1:BORDER 13:DEG [1684]
120 INK 0,13:INK 1,13:INK 2,13:INK [1586]
3,13
130 LOAD"ECRAN.BIN",&C000 [2110]
140 INK 0,13:INK 1,0:INK 2,15:INK 3 [1672]
,6:BELL=1
150 MOVE 600,40 [647]
160 [117]
170 DEFINITION DES SYMBOLES [418]
180 [117]
190 SYMBOL AFTER 231 [1433]
200 SYMBOL 232,&18,&7E,&7E,&FF,&FF, [2463]
&7E,&7E,&18
210 SYMBOL 233,&FF,&E3,&DD,&DD,&DD, [2186]
&DD,&E3,&FF
220 SYMBOL 234,&FF,&3B,&5B,&6B,&73, [2309]
&7B,&7B,&FF
230 SYMBOL 235,&FF,&C6,&BA,&BA,&BA, [2616]
&BA,&C6,&FF
240 SYMBOL 236,&FF,&23,&EF,&67,&EF, [2189]
&EF,&EF,&FF
250 SYMBOL 237,&0,&73,&4A,&4B,&4A,& [2143]
4A,&73,&0
260 SYMBOL 238,&0,&9C,&20,&20,&26,& [2145]
22,&9C,&0
270 SYMBOL 239,&0,&73,&4A,&4A,&73,& [2108]
52,&4A,&0
280 SYMBOL 240,&0,&DC,&52,&52,&D2,& [2227]
52,&5C,&0
290 SYMBOL 241,&0,&F,&8,&8,&38,&7B, [2046]
&30,&0
300 SYMBOL 242,&0,&F8,&8,&8,&38,&7B [2436]
,&30,&0
310 SYMBOL 243,&FF,&F0,&F7,&F7,&C7, [2894]
&B7,&CF,&FF

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10 ***** [2798]
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320 SYMBOL 244,&FF,&7,&F7,&F7,&C7,& [1841]
87,&CF,&FF
330 SYMBOL 245,&0,&73,&4A,&4B,&4A,& [1947]
4A,&73,&0
340 SYMBOL 246,&0,&CE,&10,&90,&10,& [2546]
10,&CE,&0
350 SYMBOL 247,&0,&4B,&4A,&7B,&4A,& [2181]
4A,&4B,&0
360 SYMBOL 248,&0,&D2,&12,&84,&8,&1 [2201]
2,&D2,&0
370 [117]
380 DEFINITION DE L'ECRAN [611]
390 [117]
400 WINDOW#1,14,24,4,4 [1340]
410 WINDOW#2,26,28,4,4 [1351]
420 WINDOW#3,13,13,4,4 [978]
430 PAPER#1,1:PEN#1,3 [1742]
440 PAPER#2,1:PEN#2,3 [2085]
450 PAPER#3,1:PEN#3,3 [1518]
460 [117]
470 DEPLACEMENT DU CURSEUR [2363]
480 [117]
490 X=600:Y=40 [699]
500 PRINT CHR$(23)CHR$(1);:PLOT 700 [2707]
,700,3
510 TAG [318]
520 IF INKEY(8)=0 THEN X=X-5 [1274]
530 IF INKEY(1)=0 THEN X=X+5 [1533]
540 IF INKEY(0)=0 THEN Y=Y+5 [1705]
550 IF INKEY(2)=0 THEN Y=Y-5 [1060]
560 IF X<10 THEN X=10 [1304]
570 IF X>600 THEN X=600 [1481]
580 IF Y<20 THEN Y=20 [1016]
590 IF Y>320 THEN Y=320 [1429]
600 MOVE X,Y:PRINT CHR$(232); [2074]
610 MOVE X,Y:PRINT CHR$(232); [2074]
620 R$=INKEY$:IF R$="" THEN 520 ELSE [9366]
E IF R$="" OR ASC(R$)=13 OR (ASC(R
$)>=42 AND ASC(R$)<=61) OR ASC(R$)=
94 OR ASC(R$)=64 OR ASC(R$)=124 THE
N GOSUB 700
630 GOTO 510 [407]
640 TAGOFF [1066]
650 [117]
660 EMULATION DE LA CALCULATRICE [1612]
670 [117]
680 TEST DES TOUCHES. [804]
690 [117]
700 PLOT 700,700 [548]
710 IF X>=390 AND X<=425 AND Y>=300 [3615]
AND Y<=320 AND R$="" THEN 1470
MST
720 IF ONOFF=0 THEN RETURN [776]
730 IF X>=330 AND X<=365 AND Y>=300 [2691]
AND Y<=320 AND R$="" THEN 1620
BELL
740 IF X>=210 AND X<=250 AND Y>=300 [3292]
AND Y<=320 AND R$="" THEN 1530
DEG/RAD
750 IF X>=270 AND X<=310 AND Y>=300 [4002]
AND Y<=320 AND R$="" THEN 1710
DEC/HEX
760 IF (ASC(R$)>=48 AND ASC(R$)<=57 [1723]
) AND TEXPO=1 THEN 2280
770 IF ((ASC(R$)>=42 AND ASC(R$)<=4 [7123]
7) OR ASC(R$)=94 OR ASC(R$)=64 OR A
SC(R$)=61 OR ASC(R$)=13 OR ASC(R$)=
124) AND TEXPO=1 THEN 2320
780 IF (ASC(R$)>=48 AND ASC(R$)<=57 [6292]
) AND NEWOPER=1 THEN PREMVAR=0:NEWO
PER=0:MANTIS=0:DECIME=0:SIGNE=0:GOT
O 1370
790 IF ASC(R$)>=48 AND ASC(R$)<=57 [3210]
AND NEWOPER=0 THEN 1370
800 IF ASC(R$)=42 OR ASC(R$)=43 OR [11529]
ASC(R$)=45 OR ASC(R$)=47 OR ASC(R$)
=94 OR ASC(R$)=64 THEN TEXPO=0:NEWO
PER=1:SIGNE=0:CHSIG=0:PREMVAR=SECVA
R:SECVAR=MANTIS:OPER$=OPER2$:OPER2$
=R$:GOTO 1440
810 IF ASC(R$)=124 THEN VAR1=SECVAR [6110]
:VAR2=MANTIS:MANTIS=VAR1:SECVAR=VAR
2:NEWOPER=1:TEXPO=0:SIGNE=0:CHSIG=0
:GOTO 2360
820 IF ASC(R$)=61 OR ASC(R$)=13 THE [7999]
N PREMVAR=SECVAR:SECVAR=MANTIS:OPER
$=OPER2$:OPER2$="":NEWOPER=1:NEWVAL
=1:ARC=0:HYPER=0:TEXPO=0:SIGNE=0:CH
SIG=0 ELSE 920
830 IF OPER$="+" THEN MANTIS=PREMVA [2122]
R+SECVAR:GOTO 1390
840 IF OPER$="-" THEN MANTIS=PREMVA [2960]
R-SECVAR:GOTO 1390
850 IF OPER$="*" THEN MANTIS=PREMVA [3469]
R*SECVAR:GOTO 1390
860 IF OPER$="^" THEN MANTIS=PREMVA [3344]
R^SECVAR:GOTO 1390
870 IF OPER$="@" THEN IF PREMVAR<=0 [4719]
THEN 900 ELSE MANTIS=EXP(LOG(PREMVA
R)/SECVAR):GOTO 1390
880 IF OPER$="/" AND SECVAR<>0 THEN [4903]
MANTIS=PREMVAR/SECVAR:GOTO 1390
890 IF OPER$="" THEN 1390 [1001]
900 CHSIG=0:SIGNE=0:MANTIS=0:PREMVA [7664]
R=0:DECIME=0:ARC=0:HYPER=0:TEXPO=0:
SIGN$="":PRINT#3,SIGN$;:EXP0$=""
:PRINT#2,EXP0$;
910 PRINT#1,"E r r e u r";:RETURN [1238]
920 IF (ASC(R$)=44 OR ASC(R$)=46) A [5508]
ND (DECIME>1 OR EXP0$<>)" " OR MAN
TIS-FIX(MANTIS)<>0 OR NEWOPER=1) TH
EN RETURN
930 IF ASC(R$)=44 OR ASC(R$)=46 THE [2879]
N DECIME=1:GOTO 2360

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940 IF X>=190 AND X<=235 AND Y>=25 [4505]
AND Y<=45 AND R$=" " THEN R$="0":GO
TO 710
950 IF X>=190 AND X<=235 AND Y>=60 [3951]
AND Y<=75 AND R$=" " THEN R$="1":GO
TO 710
960 IF X>=190 AND X<=235 AND Y>=90 [3823]
AND Y<=105 AND R$=" " THEN R$="4":G
OTO 710
970 IF X>=190 AND X<=235 AND Y>=120 [4066]
AND Y<=135 AND R$=" " THEN R$="7":
GOTO 710
980 IF X>=190 AND X<=235 AND Y>=150 [7183]
AND Y<=165 AND R$=" " THEN MANTIS=
0:DECIME=0:NEWOPER=0:PREMVAR=0:EXPO
=0:GOTO 2360
990 IF X>=257 AND X<=302 AND Y>=25 [3665]
AND Y<=45 AND R$=" " THEN R$="":GO
TO 710
1000 IF X>=257 AND X<=302 AND Y>=60 [3794]
AND Y<=75 AND R$=" " THEN R$="2":G
OTO 710
1010 IF X>=257 AND X<=302 AND Y>=90 [4671]
AND Y<=105 AND R$=" " THEN R$="5":
GOTO 710
1020 IF X>=257 AND X<=302 AND Y>=12 [4750]
AND Y<=135 AND R$=" " THEN R$="8"
:GOTO 710
1030 IF X>=324 AND X<=370 AND Y>=25 [8357]
AND Y<=45 AND R$=" " THEN IF TEXPO
=0 THEN MANTIS=MANTIS*(-1):GOTO 236
0 ELSE CHSIG=CHSIG XOR 1:GOTO 2280
1040 IF X>=324 AND X<=370 AND Y>=60 [3847]
AND Y<=75 AND R$=" " THEN R$="3":G
OTO 710
1050 IF X>=324 AND X<=370 AND Y>=90 [5091]
AND Y<=105 AND R$=" " THEN R$="6":
GOTO 710
1060 IF X>=324 AND X<=370 AND Y>=12 [3508]
AND Y<=135 AND R$=" " THEN R$="9"
:GOTO 710
1070 IF TEXPO=1 THEN RETOUR=1:POSX= [3967]
X:POSY=Y:GOSUB 2320 ELSE 1090
1080 X=POSX:Y=POSY:GOTO 1160 [1698]
1090 IF X>=324 AND X<=370 AND Y>=15 [5032]
AND Y<=165 AND R$=" " THEN MANTIS
=3.14159265:NEWOPER=1:GOTO 2360
1100 IF X>=257 AND X<=302 AND Y>=15 [4333]
AND Y<=165 AND R$=" " THEN TEXPO=
1:GOTO 2260
1110 IF X>=391 AND X<=436 AND Y>=20 [4136]
AND Y<=45 AND R$=" " THEN R$="":G
OTO 710
1120 IF X>=391 AND X<=436 AND Y>=60 [2406]
AND Y<=75 AND R$=" " THEN R$="+":G
OTO 710
1130 IF X>=391 AND X<=436 AND Y>=90 [3824]

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AND Y<=105 AND R$=" " THEN R$="--":
GOTO 710
1140 IF X>=391 AND X<=436 AND Y>=12 [2872]
AND Y<=135 AND R$=" " THEN R$="*"
:GOTO 710
1150 IF X>=391 AND X<=436 AND Y>=15 [4589]
AND Y<=165 AND R$=" " THEN R$="/"
:GOTO 710
1160 IF X>=185 AND X<=225 AND Y>=18 [5522]
AND Y<=195 AND R$=" " THEN NEWOPE
R=1:MEMOIRE=MANTIS:GOTO 2360
1170 IF X>=240 AND X<=280 AND Y>=18 [7096]
AND Y<=195 AND R$=" " THEN NEWOPE
R=1:MANTIS=MEMOIRE:GOTO 2360
1180 IF X>=294 AND X<=334 AND Y>=18 [6837]
AND Y<=195 AND R$=" " THEN NEWOPE
R=1:MEMOIRE=MEMOIRE+MANTIS:GOTO 236
0
1190 IF X>=348 AND X<=388 AND Y>=18 [3452]
AND Y<=195 AND R$=" " THEN R$="!"
:GOTO 710
1200 IF X>=402 AND X<=442 AND Y>=18 [4367]
AND Y<=195 AND R$=" " THEN R$="^"
:GOTO 710
1210 IF X>=185 AND X<=225 AND Y>=21 [6850]
AND Y<=225 AND R$=" " THEN IF MAN
TIS<=1.3E+19 THEN MANTIS=MANTIS^2:N
EWOPER=1:GOTO 2360 ELSE GOTO 900
1220 IF X>=240 AND X<=280 AND Y>=21 [8926]
AND Y<=225 AND R$=" " THEN IF MAN
TIS>=0 THEN MANTIS=SQR(MANTIS):NEWO
PER=1:GOTO 2360 ELSE GOTO 900
1230 IF X>=294 AND X<=334 AND Y>=21 [6684]
AND Y<=225 AND R$=" " THEN IF MAN
TIS<>0 THEN MANTIS=1/MANTIS:NEWOPER
=1:GOTO 2360 ELSE GOTO 900
1240 IF X>=348 AND X<=388 AND Y>=21 [6304]
AND Y<=225 AND R$=" " THEN IF (MA
NTIS>=0 AND (MANTIS-INT(MANTIS))=0)
THEN NEWOPER=1:GOTO 1790 ELSE GOTO
900
1250 IF X>=402 AND X<=442 AND Y>=21 [3166]
AND Y<=225 AND R$=" " THEN R$="@":
GOTO 710
1260 IF X>=294 AND X<=334 AND Y>=24 [7518]
AND Y<=255 AND R$=" " THEN IF MAN
TIS>0 THEN MANTIS=LOG(MANTIS):NEWOP
ER=1:GOTO 2360 ELSE GOTO 900
1270 IF X>=240 AND X<=280 AND Y>=24 [3864]
AND Y<=255 AND R$=" " THEN 2180
1280 IF X>=348 AND X<=388 AND Y>=24 [7636]
AND Y<=255 AND R$=" " THEN IF MAN
TIS<=88 THEN MANTIS=EXP(MANTIS):NEW
OPER=1:GOTO 2360 ELSE GOTO 900
1290 IF X>=402 AND X<=442 AND Y>=24 [6209]
AND Y<=255 AND R$=" " THEN IF MAN
TIS>0 THEN MANTIS=LOG10(MANTIS):NEW

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OPER=1:GOTO 2360 ELSE GOTO 900
1300 IF X>=402 AND X<=442 AND Y>=27 [8651]
0 AND Y<=285 AND R$=" " THEN MANTIS
=0:PREMVAR=0:SECVAR=0:DECIME=0:NEWO
PER=0:NEWVAL=1:TEXPO=0:GOTO 2360
1310 IF X>=185 AND X<=225 AND Y>=27 [3957]
0 AND Y<=285 AND R$=" " THEN ARC=1:
GOTO 2360
1320 IF X>=185 AND X<=225 AND Y>=24 [2900]
0 AND Y<=255 AND R$=" " THEN HYPER=
1:GOTO 2360
1330 IF X>=240 AND X<=280 AND Y>=27 [3100]
0 AND Y<=285 AND R$=" " THEN 1890
1340 IF X>=294 AND X<=334 AND Y>=27 [2711]
0 AND Y<=285 AND R$=" " THEN 1980
1350 IF X>=348 AND X<=388 AND Y>=27 [3934]
0 AND Y<=285 AND R$=" " THEN 2070
1360 RETURN [555]
1370 IF DECIME=0 THEN 1380 ELSE MAN [4741]
TIS=MANTIS+VAL(R$)/10^DECIME:DECIME
=DECIME+1:GOTO 2360
1380 MANTIS=MANTIS*10+VAL(R$):IF AB [4885]
S(LOG10(MANTIS))>37 THEN 900 ELSE 2
360
1390 SECVAR=MANTIS:ARC=0:HYPER=0:DE [2679]
CIME=0
1400 IF HEX=0 THEN 2360 [1112]
1410 IF MANTIS<-32768 OR MANTIS>655 [1782]
35 THEN 900
1420 AFFICH$=STRING$(5,32)+HEX$(MAN [3824]
TIS,4):EXPO$=" ":SIGN$="&"
1430 GOTO 2550 [365]
1440 IF NEWVAL=1 THEN NEWVAL=0:GOTO [1320]
2360 ELSE GOTO 830
1450 RETURN [555]
1460 ' [117]
1470 ' MISE SOUS TENSION [903]
1480 ' [117]
1490 TAGOFF:PLOT 700,700,1:PRINT CH [4158]
R$(23)CHR$(0);TAG:MOVE 400,310
1500 ONOFF=ONOFF XOR 1:MANTIS=0:PR [5173]
EMVAR=0:SECVAR=0:DECIME=0:ARC=0:HYP
ER=0:MEMOIRE=0:TEXPO=0
1510 IF ONOFF=1 THEN PRINT CHR$(233 [8036]
)CHR$(234);NEWOPER=0:NEWVAL=1:DEG:
GOTO 1520 ELSE PRINT CHR$(235)CHR$(
236);CLS#1:CLS#2:CLS#3
1520 TAGOFF:PLOT 700,700,3:PRINT CH [6392]
R$(23)CHR$(1);TAG:MOVE X,Y:IF ONOF
F=1 THEN 2360 ELSE RETURN
1530 ' [117]
1540 ' DEG <=> RAD [963]
1550 ' [117]
1560 IF ONOFF=0 THEN RETURN [776]
1570 TAGOFF:PLOT 700,700,1:PRINT CH [4095]
R$(23)CHR$(0);TAG:MOVE 220,310
1580 DEGRAD=DEGRAD XOR 1 [1112]

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1590 IF DEGRAD=0 THEN DEG:PRINT CHR [4032]
$(237)CHR$(238); ELSE RAD:PRINT CHR
$(239)CHR$(240);
1600 TAGOFF:PLOT 700,700,3:PRINT CH [3657]
R$(23)CHR$(1);TAG:MOVE X,Y
1610 GOTO 2360 [307]
1620 ' [117]
1630 ' BIP SONORE [1325]
1640 ' [117]
1650 TAGOFF:PLOT 700,700,1:PRINT CH [3955]
R$(23)CHR$(0);TAG:MOVE 340,310
1660 BELL=BELL XOR 1 [1811]
1670 IF BELL=0 THEN PRINT CHR$(243) [4962]
CHR$(244); ELSE PRINT CHR$(241)CHR$
(242);
1680 TAGOFF:PLOT 700,700,3:PRINT CH [3657]
R$(23)CHR$(1);TAG:MOVE X,Y
1690 GOTO 2360 [307]
1700 ' [117]
1710 ' HEXADECIMAL-DECIMAL [701]
1720 ' [117]
1730 TAGOFF:PLOT 700,700,1:PRINT CH [3801]
R$(23)CHR$(0);TAG:MOVE 282,310
1740 HEX=HEX XOR 1 [1423]
1750 IF HEX=1 THEN PRINT CHR$(247)C [3727]
HR$(248); ELSE PRINT CHR$(245)CHR$(
246);PRINT#3," ";
1760 TAGOFF:PLOT 700,700,3:PRINT CH [3657]
R$(23)CHR$(1);TAG:MOVE X,Y
1770 GOTO 2360 [307]
1780 ' [117]
1790 ' FACTORIELLE [1163]
1800 ' [117]
1810 IF MANTIS>33 THEN 900 [1018]
1820 IF MANTIS=0 THEN MANTIS=1 [1269]
1830 FOR I=MANTIS-1 TO -1 STEP -1 [1693]
1840 MANTIS=MANTIS*I [1035]
1850 NEXT I [375]
1860 NEWOPER=1 [944]
1870 GOTO 2360 [307]
1880 ' [117]
1890 ' SIN-ARCSIN-SH-ARG SH [835]
1900 ' [117]
1910 NTOT=ARC+2*HYPER+1 [794]
1920 ON NTOT GOTO 1930,1940,1950,19 [1388]
60
1930 MANTIS=SIN(MANTIS):NEWOPER=1:G [2593]
OTO 2360
1940 IF ABS(MANTIS)>1 THEN 900 ELSE [5393]
CHVAR=MANTIS/SQR(1-MANTIS^2):MANTI
S=PI/180*MANTIS:MANTIS=ATN(CHVAR):N
EWOPER=1:ARC=0:GOTO 2360
1950 MANTIS=(EXP(MANTIS)-EXP(-MANTI [3599]
S))/2:HYPER=0:NEWOPER=1:GOTO 2360
1960 MANTIS=LOG(MANTIS+SQR(1+MANTIS [2291]
^2)):NEWOPER=1:ARC=0:HYPER=0:GOTO 2
360

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1970		[117]	2310 PRINT#2,TEXPO\$;GOTO 2360	[1176]
1980	COS-ARCCOS-CH-ARG CH	[908]	2320 IF VAL(TEXPO\$)>37 THEN 900	[2517]
1990		[117]	2330 QPER\$=QPER2\$;QPER2\$=R\$;PREMVAR	[9087]
2000	NTOT=ARC+2*HYPER+1	[794]	=SECVAR;SECVAR=MANTIS*10^VAL(TEXPO\$	
2010	ON NTOT GOTO 2020,2030,2040,20	[1076]	);MANTIS=SECVAR;TEXPO=0;NEWOPER=1;N	
50			EWVAL=1;ARC=0;HYPER=0;CHSIG=0;SIGNE	
2020	MANTIS=COS(MANTIS);NEWOPER=1;G	[2764]	=0	
OTO 2360			2340 IF RETOUR=1 THEN RETOUR=0;RETU	[2641]
2030	IF ABS(MANTIS)>1 THEN 900 ELSE	[3921]	RN ELSE 830	
CHVAR=SQR(1-MANTIS^2)/MANTIS;MANTI			2350	[117]
S=ATN(CHVAR);NEWOPER=1;ARC=0;GOTO 2			2360 AFFICHAGE	[854]
360			2370	[117]
2040	MANTIS=(EXP(MANTIS)+EXP(-MANTI	[4665]	2380 IF MANTIS>=1.7E+38 THEN 900	[1282]
S))/2;HYPER=0;NEWOPER=1;GOTO 2360			2390 IF MANTIS<0 THEN SIGNE=1;SIGN\$	[4756]
2050	IF MANTIS<1 THEN 900 ELSE MANT	[4137]	="-" ELSE SIGNE=0;SIGN\$=" "	
IS=LOG(MANTIS+SQR(1+MANTIS^2));NEWO			2400 IF DECIME>0 THEN DECAL=1 ELSE	[1400]
PER=1;ARC=0;HYPER=0;GOTO 2360			DECAL=0	
2060		[117]	2410 IF DECIME>1 AND MANTIS-FIX(MAN	[3543]
2070	TG-ARCTG-TH-ARG TH	[1323]	TIS)=0 THEN ZERO\$="."+STRING\$(DECIM	
2080		[117]	E-1,"0"); ELSE ZERO\$=" "	
2090	NTOT=ARC+2*HYPER+1	[794]	2420 ZERO=LEN(ZERO\$)	[1161]
2100	ON NTOT GOTO 2110,2120,2130,21	[1243]	2430 MANTIS=ABS(MANTIS)	[697]
40			2440 IF MANTIS=0 THEN MANTIS\$="0";S	[3399]
2110	MANTIS=TAN(MANTIS);NEWOPER=1;G	[2983]	IGN\$="L";LONG=1;EXPO\$=" ";GOTO 24	
OTO 2360			80	
2120	MANTIS=ATN(MANTIS);NEWOPER=1;A	[2858]	2450 IF INT(LOG10(MANTIS))<=8 AND I	[8762]
RC=0;GOTO 2360			NT(LOG10(MANTIS))>=0 THEN MANTIS\$=S	
2130	MANTIS=(EXP(2*MANTIS)-1)/(EXP(	[3731]	TR\$(MANTIS);EXPO\$=" ";LONG=LEN(ST	
2*MANTIS)+1);NEWOPER=1;HYPER=0;GOTO			R\$(MANTIS));GOTO 2480 ELSE MANTIS\$=ST	
2360			R\$(MANTIS)	
2140	IF ABS(MANTIS)>1 THEN 900 ELSE	[4827]	2460 PUIS\$=RIGHT\$(MANT\$,4);IF LEFT\$	[6869]
MANTIS=0.5*(LOG((MANTIS+1)/(1-MANT			(PUIS\$,1)="E" THEN MANTIS\$=STR\$(MANTI	
IS));NEWOPER=1;ARC=0;HYPER=0;GOTO			S) ELSE MANTIS\$=MANTIS;EXPO\$=" ";G	
2360			OTO 2480	
2150		[117]	2470 EXPO\$=RIGHT\$(MANT\$,3);MANTIS\$=	[5615]
2160	TRANSPOSITION DEG / RAD	[1485]	LEFT\$(MANT\$,LEN(MANT\$)-4);LONG=LEN(	
2170		[117]	MANTIS\$)	
2180	NEWOPER=1	[944]	2480 IF LONG<=11-DECAL-ZERO THEN BL	[4023]
2190	IF DEGRAD=0 THEN MANTIS=180*MA	[4657]	ANC=11-LONG-DECAL-ZERO ELSE BLANC=0	
NTIS/PI ELSE MANTIS=PI*MANTIS/180			2490 IF LEN(MANTIS\$)>11 THEN MANTIS	[3910]
2200	GOTO 2360	[307]	\$=LEFT\$(MANTIS\$,11)	
2210		[117]	2500 IF DECIME=1 THEN VIRGUL\$="." E	[1136]
2220		[117]	LSE VIRGUL\$=" "	
2230		[117]	2510 AFFICH\$=STRING\$(11,32);PRINT#1	[2559]
2240	TOUCHE EE	[822]	,AFFICH\$	
2250		[117]	2520 AFFICH\$=SPACE\$(BLANC+DECAL)+MA	[3948]
2260	IF VAL(EXPO\$)=0 THEN TEXPO\$="+	[8817]	NTIS\$+VIRGUL\$+ZERO\$	
00" ELSE TEXPO\$=EXPO\$;MANTIS=VAL(SI			2530 AFFICH\$=RIGHT\$(AFFICH\$,11)	[1338]
GN\$+AFFICH\$);IF LEFT\$(EXPO\$,1)="-"			2540 IF SIGNE=1 THEN MANTIS=MANTIS*	[1148]
THEN CHSIG=1 ELSE CHSIG=0			(-1)	
2270	GOTO 2310	[349]	2550 TAGOFF	[1066]
2280	IF R\$<>" " THEN TEXPO\$=RIGHT\$(	[2350]	2560 IF BELL=1 THEN PRINT CHR\$(7);	[1284]
TEXPO\$+R\$,2)			2570 IF TEXPO=0 THEN PRINT#2,TEXPO\$;	[3116]
2290	IF CHSIG=0 THEN SIGEXP\$="+" EL	[1377]	ELSE PRINT#2,TEXPO\$;	
SE SIGEXP\$="-"			2580 PRINT#1,AFFICH\$;	[1081]
2300	TEXPO\$=SIGEXP\$+RIGHT\$(TEXPO\$,2	[1582]	2590 PRINT#3,SIGN\$;	[350]
)			2600 RETURN	[555]