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10 REM** an original HMM/ARNOLDprogram **
20 REM **** ink setting ***
30 FOR t=3 TO 15 STEP 2:INK t,1:NEXT:FOR t=2 TO 15 STEP 2:INK t,26:NEXT
40 REM** menu ****
50 MODE 1:LOCATE 15,2:PRINT"MENU:"
60 LOCATE 5,5:PRINT"1. stemme guitar":LOCATE 5,7:PRINT"2. stemme violin":LOCATE
5,9:PRINT"3. metronom"
70 x$=INKEY$:IF x$="" THEN 70
80 MODE 0
90 x=VAL(x$):ON x GOTO 100,580,800:GOTO 50
100 REM *** guitar stemme sektion ***
110 MODE 0:CLS
120 GOSUB 1060
130 REM***** 'lydhul' *****
140 RESTORE
150 INK 15,0
160 ORIGIN 320,150:r=70:DEG:FOR n=0 TO 180:MOVE -r*SIN(n),r*COS(n):DRAW r*SIN(n),
r*COS(n),15:NEXT
170 ORIGIN 0,0
180 REM**** guitarstreng *****
190 FOR h=2 TO 14
200 READ a
210 IF a=-1 THEN 250
220 PLOT 0,a:DRAW 640,a,h
230 NEXT
240 REM**** tal paa streng *****
250 TAG
260 I=210:PLOT 600,I,1
270 FOR t=1 TO 6:MOVE 580,I:PRINT t:I=I-20:NEXT
280 TAGOFF
290 REM**** input strengnummer ***
300 WINDOW #1,1,20,1,3:PAPER #1,1:CLS#1:PEN #1,0
310 PRINT CHR$(7)
320 LOCATE #1,1:PRINT#1,"HVILKEN STRENG VIL DU STEMME?"
330 a$=INKEY$:IF a$="" THEN 330
340 IF INKEY(15)=0 THEN 50
350 a=VAL(a$):ON a GOSUB 370,380,390,400,410,420,300
360 GOTO 300
370 z=2:z1=3:GOSUB 440:RETURN
380 z=4:z1=5:GOSUB 440:RETURN
390 z=6:z1=7:GOSUB 440:RETURN
400 z=8:z1=9:GOSUB 440:RETURN
410 z=10:z1=11:GOSUB 440:RETURN
420 z=12:z1=13:GOSUB 440:RETURN
430 REM**** ryster streng *****
440 GOSUB 520
450 INK z,1:INK z1,26
460 FOR e=1 TO 20:NEXT
470 INK z,26:INK z1,1
480 FOR e=1 TO 20:NEXT
490 IF INKEY(47)=0 THEN RETURN
500 IF SQ(4)()4 THEN 450 ELSE RETURN
510 REM**** lyd sektion *****
520 REM ENT -1,4,-1,1,4,1,1
530 ENV 1,5,3,1,5,-1,5,1,0,100,10,-1,20
540 RESTORE:FOR w=1 TO 13:READ ff:NEXT:IF x=2 THEN FOR w=1 TO 6+a:READ ff:NEXT E
LSE FOR w=1 TO a:READ ff:NEXT
550 SOUND 4,ff,-1,0,1,1 ;
560 RETURN
570 REM*** data *****
580 REM **** violin sektion ****
590 CLS
600 RESTORE 1140
610 READ x,y:IF x=-1 THEN READ x,v:PLOT x,y
620 IF x=0 AND y=0 THEN 640 ELSE DRAW x,y
630 GOTO 610
640 MOVE 0,0

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650 TAG:nr=1
660 FOR w=2 TO 10:READ a:IF a=-1 THEN 690
670 PLOT 50,a:DRAW 580,a,w:IF w=2 OR w=4 OR w=6 OR w=8 THEN MOVE 580,a+5:PRINT n
r:nr=nr+1
680 NEXT
690 WINDOW #3,1,20,1,3:CLS#3:PRINT#3,"VIOLIN:":LOCATE #3,1,2:PRINT#3,"tryk stren
gnummer"
700 GOSUB 1060
710 q$=INKEY$:IF q$="" THEN 710
720 IF INKEY(15)=0 THEN 50
730 a=VAL(q$):ON a GOSUB 750,760,770,780,690
740 GOTO 690
750 z=2:z1=3:GOSUB 440:RETURN
760 z=4:z1=5:GOSUB 440:RETURN
770 z=6:z1=7:GOSUB 440:RETURN
780 z=8:z1=9:GOSUB 440:RETURN
790 REM** metronom ink+window set.**
800 CLS:FOR f=2 TO 10:INK f,1:NEXT
810 MODE 0:WINDOW #1,1,20,20,25:PAPER#1,1:CLS#1
820 LOCATE 6,1:PRINT"METRONOM"
830 RESTORE 1240
840 REM** tegner metronom.**
850 FOR f=2 TO 10
860 READ a,b,c
870 PLOT a,100:DRAW b,c,f
880 NEXT
890 REM** hastighed ***
900 CLS#1:PRINT#1,"input hastighed"
910 INPUT #1,a$:hast=VAL(a$)
920 REM** kØrer metronomen ***
930 FOR side=2 TO 10
940 INK side,26:FOR tid=1 TO 53945/hast/9:NEXT:INK side,1
950 NEXT
960 GOSUB 1030
970 FOR side=10 TO 2 STEP -1
980 INK side,26:FOR tid=1 TO 53945/hast/9:NEXT:INK side,1
990 NEXT
1000 GOSUB 1030
1010 IF INKEY(47)=0 THEN 900
1015 IF INKEY(15)=0 THEN 30
1020 GOTO 930
1030 REM** metronomiyd **
1040 SOUND 1,3000,10,7
1050 RETURN
1060 WINDOW #2,1,20,25,25:CLS#2:PRINT#2,"til menu tryk: (0)"
1070 RETURN
1080 REM*** streng data *****
1090 DATA 200,198,180,178,160,158,140,138,120,118,100,98,-1
1100 REM*** guitar node data ***
1110 DATA 758,568,426,319,253,190
1120 REM ** violin node data *****
1130 DATA 638,426,284,190
1140 REM***** violin 'lydhul' data *****
1150 DATA -1,-1,197,105,197,107,200,107,-1,-1,198,107,198,111,200,113,202,115,20
4,117,210,119,216,119,223,121,235,121,249,123,286,123,314,125,335,129
1160 DATA 339,132,342,134,342,138,342,140,340,140,339,144,337,146,331,146,336,14
4,336,142,-1,-1,330,227,337,227,337,229,330,229,-1,-1,333,230,338,230,340,232,34
2,236,342,239
1170 DATA 340,243,335,245,331,247,321,247,321,249,304,250,252,250,253,252,229,25
2,229,254,217,254,210,256,210,258,206,258,203,263,203,267
1180 DATA 206,268,208,270,213,273,219,273,219,271,214,271,-1,-1,216,269,218,269
1190 DATA 0,0
1200 REM*** violin streng data ****
1210 DATA 215,213,197,195,179,177,161,159
1220 DATA -1
1230 REM** metronom data **
1240 DATA 290,210,250,290,239,266,300,266,285,310,293,295,320,320,305,330,347,29
5,340,374,285,350,401,266,360,428,250

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