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LIST
1 INPUT"ENTER DATE
(M,D,Y)";MO,DA,YR
2 PRINT " ":PRINT "
:PRINT " ":PRINT " ":P
RINT " ":PRINT " "
3 PRINT"COMPUTE-A-P
LEAT"
4 PRINT"BY REPETE C
ORP. "
5 PRINT"ALL RIGHTS
RESERVED"
6 PRINT"DATE:";MO;"
/";DA;"/";YR
100 INPUT"JOB NUMBE
R";J$
110 INPUT"PAIR OR P
ANEL";X0
120 IFX0<1ORX0>2THE
N110
130 INPUT"SIZE OF O
VERLAP";O1:INPUT"SIZ
E OF RETURN";R
140 INPUT"WIDTH OF
GOODS";W0:INPUT"NO.
OF WIDTHS";W1
150 INPUT"FINISHED
WIDTH";F0
160 PRINT "
165 POKE42001,0
166 PRINT" * GENIUS
AT WORK *"
167 POKE42001,128
200 A1=W1/X0
210 IFA1=INT(A1)THE
N230
220 Y=2:Z=0:GOTO240
230 Y=1:Z=1
240 W2=W0-3.5-O1:W3
=W0-1:W4=(W0/Y)-3.5-
R:P0=(F0/X0)-O1-R
250 C1=10:C=9*F0/(W
0*W1-O1-R):G=0
260 IFA1=1THEN760
270 P1=2:P2=1:N=1
280 FORQ0=1TO4
290 IFA1>2THEN330
300 GOSUB3000
310 IFU1=1THEN480
320 GOTO430
330 P3=(INT(A1)-Z)*
P1+P2:S=P0/(P3-1)
340 IFS<2.3THEN500
350 L1=(W2-(P1-1)*S
)/P1:L2=(W3-P1*S)/P1
:L3=L2:L4=(W4-P2*S)/
P2
360 GOSUB1010:GOSUB
1000
370 L1=L1-S/(P1-1):
L3=L3+2*S/P1:L4=L4-S
/P2
380 GOSUB1010:GOSUB
1000

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390 S=P0/(P3-2):L1=
(W2-(P1-2)*S)/(P1-1)
:L2=(W3-P1*S)/P1
400 L3=L2:L4=(W4-P2
*S)/P2:E1=1:GOSUB101
0:GOSUB1000
410 L1=L1-S/(P1-1):
L3=L3+2*S/P1:L4=L4-S
/P2
420 E1=1:GOSUB1010:
E1=1:GOSUB1000
430 P2=P2+1
440 NEXT
450 P1=P1+1:P2=INT(
P1/Y)-3
460 IF P2>0 THEN 280
470 P2=1:GOTO 280
480 IF S<2.5 THEN 500
490 GOTO 430
500 IF G=0 THEN 840
510 AS$="LEAD
":BS$="CENTER
":CS$="RETURN FILL
"
520 DS$="RETURN
":PRINT" NUMBER O
F PLEATS"
530 PRINTAS$:M9
540 IF A1<2.5 THEN 580
550 IF A1<=3.0 THEN 57
0
560 PRINTBS$:M5
570 PRINTCS$:M5
580 PRINTDS$:M6
590 PRINT"TOTAL":TA
B(11):M7:PRINT" "
600 PRINT" SPACE
SIZE":PRINTM8:PRINT
" "
610 PRINT" PLEAT
SIZES"
620 PRINTAS$:PRINTM
1
630 IF A1<2.5 THEN 670
640 IF A1<=3.0 THEN 66
0
650 PRINTBS$:PRINTM
2
660 PRINTCS$:PRINTM
3
670 PRINTDS$:PRINTM
4:PRINT" "
680 PRINT" MACHINE
SETTINGS"
690 U1=M1:U2=M8:GOS
UB2000:PRINTAS$:GOSU
B4000
700 IF A1<2.5 THEN 740
710 IF A1<=3.0 THEN 73
0
720 U1=M2:GOSUB2000
:PRINTBS$:GOSUB4000
730 U1=M3:GOSUB2000
:PRINTCS$:GOSUB4000

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740 U1=M4:GOSUB2000
:PRINTD5#:GOSUB4000
750 GOTO2
760 M1=9*(F0-01-R)/
((W0-01-R-3.5)*X0):M
2=INT(P0/M1)
770 M3=P0/M2:M4=W0-
P0-01-R-6:M5=M2+1:M6
=M4/M5
780 PRINT" SEAMLES
S DRAPE"
790 PRINT"PLEATS PE
R PANEL":PRINTM5
800 PRINT"PLEAT SIZ
E":PRINTM6
810 PRINT"SPACE SIZ
E":PRINTM3
820 U1=M6:U2=M3:GOS
UB2000
830 PRINT" MACHINE
SETTINGS":GOSUB4000
840 GOTO2
1000 L3=L3-S/P1:L4=
L4+S/P2
1010 TV=1.09
1020 IFA1<2.5THEN10
80
1030 IFA1<=3.0THEN1
060
1040 IFABS(L2-L1)>T
VORABS(L2-L3)>TVTHEN
1150
1050 IFABS(L2-L4)>T
VORL2<STHEN1150
1060 IFABS(L1-L3)>T
VORABS(L3-L4)>TVTHEN
1150
1070 IFL3<STHEN1150
1080 IFABS(L1-L4)>T
VTHEN1150
1090 IFL1<SORL4<STH
EN1150
1095 IFC1<=ABS(S-C)
THEN1150
1100 M1=L1:M2=L2:M3
=L3:M4=L4:M5=P1:M6=P
2:M8=S
1110 IFE1=1THEN1130
1120 M7=P3:M9=P1:GO
TO1140
1130 M7=P3-1:M9=P1-
1
1140 G=1:C1=ABS(S-C
)
1150 E1=0:RETURN
2000 T3=U1/2:T4=INT
(T3)
2010 T3=INT((T3-T4)
*64+.5)
2020 T7=U1/2+U2:T8=
INT(T7)
2030 T7=INT((T7-T8)
*64+.5)
2040 RETURN

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3000 P3=(INT(A1)-Z)
*P1+P2:C=9*F0/(W0*W1
):S=P0/(P3-1)
3010 IF S<2.3 THEN 307
0
3020 L1=(W2-(P1-1)*
S)/P1:L4=(W4-P2*S)/P
2:GOSUB1010
3030 L1=L1-S/P1:L4=
L4+S/P2:GOSUB1010
3040 S=P0/(P3-2):L1
=(W2-(P1-2)*S)/(P1-1
):L4=(W4-P2*S)/P2
3045 GOSUB1010
3050 L1=L1-S/(P1-1)
:L4=L4+S/P2:GOSUB101
0
3060 U1=0:RETURN
3070 U1=1:RETURN
4000 PRINT"HALF PLE
AT";TAB(10);T4;T3;"/
64"
4010 PRINT"PLUS SPA
CE";TAB(10);T8;T7;"/
64"
4020 RETURN
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