

W

----- WELCOME

SPACE LEFT = 42
ENTER

```

1 UNIT ENTER
2 JOIN INIT
3 CALC V13+128
4     V14+128
5     V16+64
6     V17+32
7     V3+64
8     V2+32
9 AT 100,100
10 JOIN BOX
11 WRITE ^H^I^.,^.,^.,
12 CALC V15+3
13     V13+32
14 AT 1224
15 JOIN SHADE
16 JOIN BOX
17 WRITE ^W^E^L^C^O^M^E ^T^O ^A^R^T^M^A^K^E^R
18 AT 110,180
19 WRITE ^N^E^X^T= TO GO
20     ^H^E^L^P= FOR^I^T
21 HELP HELPER
    
```

INDEX

```

22 UNIT INDEX
23 HELP HELPER
24 ARROW 3027
25 LONG 1
26 MATCH V1,B,F,D,E,S
27 AT 3027
28 ERASE 5
29 INHIBIT ERASE
30 JOIN V1,INKS,MBOX,MADE,DATA,ERASE,SSHD
31 JUMP INDEX
    
```

ERASE

```

32 UNIT ERASE
33 INHIBIT
34 NEXT INDEX
    
```

MBOX

```

35 UNIT MBOX
36 AT V2,V3
37 JOIN BOX
    
```

MADE

```

38 UNIT MADE
39 AT V2,V3
40 JOIN SHADE
    
```

FIX

```

41 UNIT FIX
42 AT 3032
43 ERASE 15
44 AT 3032
    
```

DATA

```

45 UNIT DATA
46 AT V2,V3
47 JOIN DECURS
    
```

```

48 AT      3032
49 WRITE   SIZEX
50 ARROW   3038
51 STORE   V14
52 OK
53 JOIN    FIX
54 WRITE   SIZEY
55 ARROW   3038
56 STORE   V13
57 OK
58 JOIN    FIX
59 CALC    V13+V13#16
60         V14+V14#16
61 AT      V2,V3
62 JOIN    CURSER                                SSHD
63 UNIT    SSHD
64 HELP    SHELP
65 JOIN    FIX
66 WRITE   SHADE
67 ARROW   3038
68 STORE   V15
69 OK
70 JOIN    FIX                                INKS
71 UNIT    INKS
72 JUDGE   CONTINUE
73 MATCH   V1,↑D,↑A,↑W,↑X,↑E,↑C
74 AT      V2,V3
75 JOIN    DECURS
76 CALCC   V1,V2#V2,V2#V2+V5,V2#V2-V5,V3#V3+V5,V3#V3-V5
77         V5#V5+8,V5#V5#8
78 AT      V2,V3
79 JOIN    CURSER                                HELPER
80 UNIT    HELPER
81 AT      2505
82 WRITE   ↑↑W [↑W=↑.] MOVE UP
83         ↑↑X [↑X=↑.] MOVE DOWN
84         ↑↑D [↑D=↑.] MOVE OVER
85         ↑ [↑A=↑.] MOVE BACK
86         ↑E INCREASE MOVE
87         ↑C DECREASE MOVE
88 AT      2530
89 WRITE   D GET DATA
90         F FILL BOX
91         B MAKE BOX
92         S SET SHADING [NEXT FOR MORE]
93         S
94         ↑↑H↑E↑S↑E ↑↑R↑E ↑↑H↑E ↑↑A↑S↑I↑C ↑↑O↑M↑M↑A↑N↑D↑S
95 NEXT    SHELP
----- GRAPH
SPACE LEFT = 122
INIT
96 UNIT    INIT
97 CHAR    1

```

98		0104210,0000000,0000000,0000000
99		0104210,0000000,0000000,0000000
100	CHAR	2
101		0104210,0000000,0021042,0000000
102		0104210,0000000,0021042,0000000
103	CHAR	3
104		0125252,0000000,0125252,0000000
105		0125252,0000000,0125252,0000000
106	CHAR	4
107		0125252,0052525,0125252,0052525
108		0125252,0052525,0125252,0052525
109	CHAR	5
110		0177777,0052525,0177777,0052525
111		0177777,0052525,0177777,0052525
112	CHAR	6
113		0177777,0156735,0177777,0073567
114		0177777,0156735,0177777,0073567
115	CHAR	7
116		0177777,0177777,0177777,0177777
117		0177777,0177777,0177777,0177777
118	UNIT	GWHAM
119	CALC	V12+WHEREY
120	CALC	V11+WHEREX
121	UNIT	GUHAM
122	AT	V11,V12
123	UNIT	BOX
124	JOIN	GWHAM
125	LINE	V11,V12;V11+V13,V12
126	LINER	V11+V13,V12+V14
127	LINER	V11,V12+V14
128	LINER	V11,V12
129	JOIN	GUHAM
130	UNIT	SHADE
131	JOIN	GWHAM
132	DO	XUNI,V18+V12,V12+V14-16,16
133	JOIN	GUHAM
134	UNIT	XUNI
135	AT	V11,V18
136	DO	YUNI,V19+V11,V11+V13-16,16
137	UNIT	YUNI
138	PLOT	V15
139	PLOT	V15
140	UNIT	DECURS
141	MODE	ERASE
142	JOIN	CURSER
143	MODE	WRITE
144	UNIT	CURSER
145	JOIN	GWHAM
146	LINE	V11,V16;V11+V13,V16

GWHAM

GUHAM

BOX

SHADE

XUNI

YUNI

DECURS

CURSER

147 LINE V17,V12;V17,V12+V1+
148 JOIN GUHAM

SHELP

149 UNIT SHELP
150 DO EXMPL,V1#1,7

151 AT 1607
152 WRITE ↑T↑H↑E↑S↑E← ↑A↑R↑E← ↑T↑H↑E← ↑H↑A↑L↑F↑I↑O↑N↑E←SSSSSSSS↑6↑6↑6↑6↑6↑6↑6↑6↑S↑H↑A↑D↑E↑S
153 ↑W↑H↑I↑C↑H ↑Y↑O↑U ↑C↑A↑N ↑U↑S↑E

EXMPL

154 UNIT EXMPL
155 CALC V7#V1#64
156 V15#V1
157 V13#48
158 V14#48

159 AT V7,400
160 JOIN SHADE
161 JOIN BOX
162 AT V7,380
163 SHOW V1,1
164 END

----- COMPILE

*** THIS IS A COMMON BLOCK ***

----- COMPILE

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----- COMPILE

*** THIS IS A COMMON BLOCK ***

----- COMPILE

*** THIS IS A COMMON BLOCK ***

----- COMPILE2

*** THIS IS A COMMON BLOCK ***

----- COMPILE2

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----- COMPILE2

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----- COMPILE2

*** THIS IS A COMMON BLOCK ***

----- COMPILE2

*** THIS IS A COMMON BLOCK ***

UNIT	BLOCK	UNIT LOCATION	REFERENCES TO UNIT			
BOX	GRAPH	123	10	16	37	191
CURSER	GRAPH	144	62	79	142	
DATA	WELCOME	45	30			
DECURS	GRAPH	140	47	75		
ENTER	WELCOME	1				
ERASE	WELCOME	32	30			
EXMPI	GRAPH	154	150			
FIX	WELCOME	41	53	58	65	10
GUHAM	GRAPH	121	129	133	148	
GWHAM	GRAPH	118	124	131	145	
HELPER	WELCOME	80	21	23		
INDEX	WELCOME	22	31	34		
INIT	GRAPH	96	2			
INKS	WELCOME	71	30			
MADE	WELCOME	38	30			
MBOX	WELCOME	35	30			
SHADE	GRAPH	130	15	40	160	
SHELP	GRAPH	149	64	95		
SSHD	WELCOME	63	30			
XUNI	GRAPH	134	132			
YUNI	GRAPH	137	136			

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