```
100 {*******************************************************************
110 {*   HISOFT HARDCOPY        Version 1.0 / DMP 2000    23/12/1986  *
120 {*                       by Alwin Ertl                            *
130 {*******************************************************************
140
150 PROGRAM hardcopy;
160
170   PROCEDURE hcopy; {fuer Schneider DMP 2000}
180     VAR
190      i, j, a : integer;
200
210     PROCEDURE pout (z : char);
220
230       FUNCTION pready : boolean;
240         BEGIN
250          user (#bd2e); {mc busy printer}
260          pready := NOT (odd(raf))
270         END;
280
290       BEGIN {pout}
300         WHILE NOT pready DO ;
310         ra := z;
320         user (#bd2b) {mc print char}
330       END;
340
350     FUNCTION test (x, y : integer) : boolean;
360       VAR
370        h : char;
380       BEGIN
390        rde := x; rhl := y;
400        user (#bbf0); {gra test absolute}
410        h := ra;
420        IF h = chr(0)
430          THEN
440            test := false
450          ELSE
460            test := true
470       END;
480
490     BEGIN {hcopy}
500     pout (chr(27)); pout ('x'); pout (chr(0)); {nlq off}
510     pout (chr(27)); pout ('l'); pout (chr(10)); {left margin TO 10}
520     pout (chr(27)); pout ('3'); pout (chr(16)); {line feed 16/216 inch}
530     pout (chr(27)); pout ('L'); pout (chr(127)); pout (chr(2)); {grafmode
540     FOR i := 399 DOWNTO 3 DO
550       BEGIN
560         FOR j := 0 TO 638 DO
570           BEGIN
580            a := 0;
590            IF test (j,i) THEN a := a+32+64;
600            IF test (j,i-2) THEN a := a+8+16;
610            IF test (j,i-4) THEN a := a+2+4;
620            pout (chr(a))
630           END;
640         pout (chr(10)); pout (chr(13)); {new line}
650         pout (chr(27)); pout ('L'); pout (chr(127)); pout (chr(2));
660         i := i - 5
670       END
680     END;
690
700   BEGIN
710    hcopy
720   END.
```