

T01;
G00 X0. Y0. Z10.;

X20;
G01 Z0.;
G03 I-20;
G00 Z10.;

(8 circunferencias)

#1=0;
WHILE[#1LT8.] DO 1;
X[40.*COS[#1*45]-6.] Y[40.*SIN[#1*45]];
G01 Z0.;
G02 I6.;
G00 Z10.;
#1=[#1+1];
END1;

(ranuras)

X[[233.04/2]-40-7] Y[75/2];
G01 Z0.;
X[[233.04/2]-40-7] Y[-75/2];
G03 X[[233.04/2]-40-7+14] R7;
G01 X[[233.04/2]-40-7+14] Y[75/2];
G03 X[[233.04/2]-40-7] R7;
G00 Z10.;
X[-[233.04/2]+40-7] Y[75/2];
G01 Z0.;
X[-[233.04/2]+40-7] Y[-75/2];
G03 X[-[233.04/2]+40-7+14] R7;
G01 X[-[233.04/2]+40-7+14] Y[75/2];
G03 X[-[233.04/2]+40-7] R7;
G00 Z10.;

(CONTORNO, COMENZANDO DE ESQUINA INFERIOR IZQ., SENTIDO ANTI HORARIO)

X[-233.04/2] Y[-160/2];

G01 Z0.;

G03 X[[-120./2]+34.09*COS[210]] Y[-78.55+34.09*SIN[210]] R18.;

G01 X[-120./2] Y[-78.55];

X[120/2];

X[[120/2]+34.09*COS[-30]] Y[-78.55+39.04*SIN[-30]];

G03 X[233.04/2] Y[-160/2] R18;

G01 Y[160/2];

G03 X[75.42+21.63*COS[110]] Y[51.12+21.63*SIN[110]] I[-233.04/2+91.509] J[-160/2+80.0433];

G01 X75.42 Y51.12;

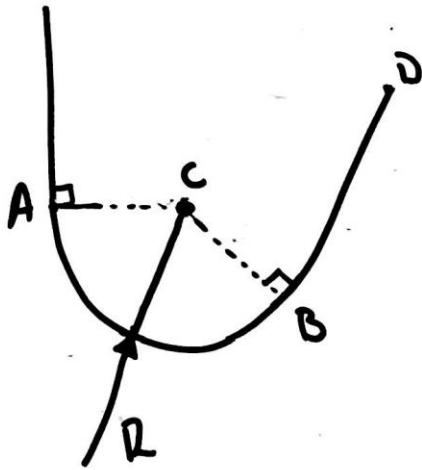
G03 X-75.42 Y51.12 R130.;

G01 X[-75.42+21.63*COS[70]] Y[51.12+21.63*SIN[70]];

G03 X[-233.04/2] Y[160/2] I[-91.509+75.42-21.63*COS[70]] J[80.0433-51.12-21.63*SIN[70]];

G01 X[-233.04/2] Y[-160/2];

G00 Z10.;



$$A = [-233.412, -80]$$

$$B = [-60 + 34.09 \cdot \cos(210), -78.55 + 34.09 \cdot \sin(210)]$$

$$C = [c_x, c_y]$$

$$D = [-60, -78.55]$$

Ecuaciones:

$$\left. \begin{array}{l} (1) \|A-C\| = \|C-B\| \\ (2) \vec{CB} \cdot \vec{BD} = 0 \end{array} \right\} \begin{array}{l} c_x = -98.5219 \\ c_y = -80 \end{array}$$

$$R = \|AC\| \text{ ó } \|BC\|$$

$$\boxed{R = 18}$$

