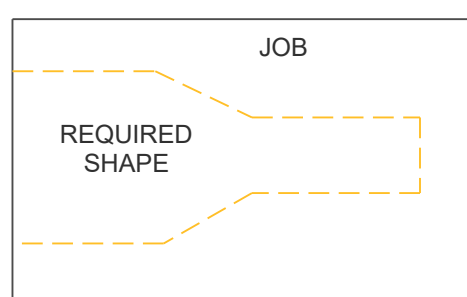
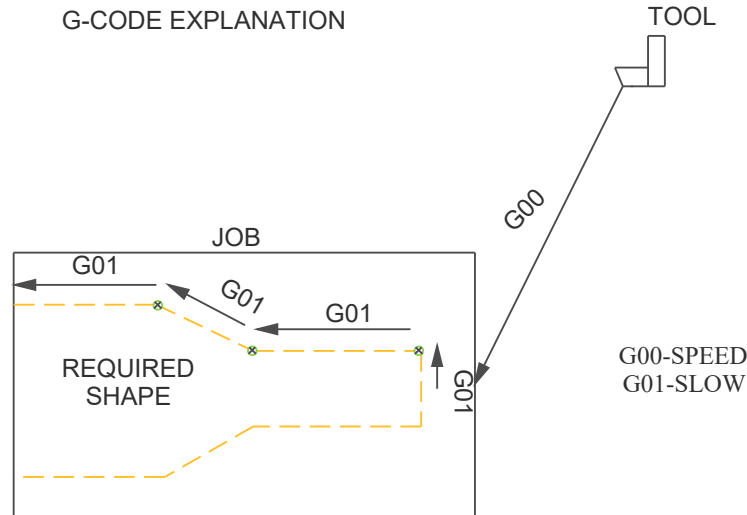


GENERAL DIAGRAM

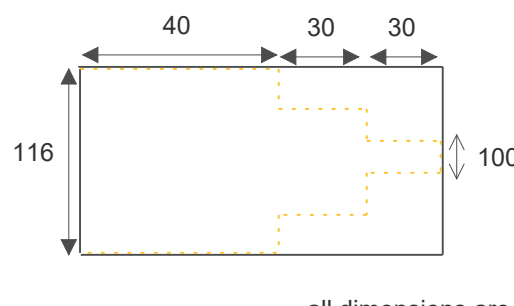


G-CODE EXPLANATION



⊗ -represent the points where the tool has to move to get the required shape of the material

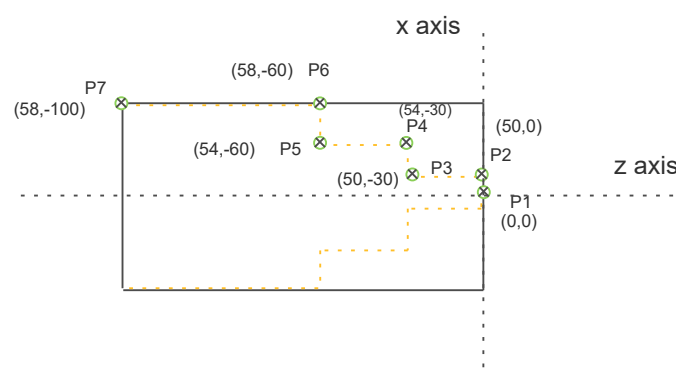
QUESTION :Make a CNC code for getting Orange colour dotted job dimensions



all dimensions are in mm

Note: Donot mind the dimension ratio as it is only for teaching purpose

STEP 1 MARKING THE POINTS OF THE TOOL PATH



STEP 2:TABULAR COLUMN

X	Z
0	0
50	-30
50	-30
54	-60
54	-60
58	-60
58	-100

STEP 3 CODING

```
G28 U0.0 W0.0;//Automatic return to machine reference point
T0101;// Tool select , first 01 represents the tool and the next 01 represents offset tool
G0 X62.0 Z0.0;// this one i am cannot recollect but the code is correct... any one notify me
M03 S1000;// Start the spindle in clockwise direction and spindle speed is 1000 rpm
M08;// Coolent On

G01 X0.0 Z0.0 F0.1;// Set the JOB zero point and set the Tool feed speed

G01 X50.0 Z0.0;// from these plot the tabular column

G01 X50.0 Z-30.0;
G01 X54.0 Z-30.0;
G01 X54.0 Z-60.0;
G01 X58.0 Z-60.0;
G01 X58.0 Z-100.0;
G01 X62.0 Z-100.0;

M05;// Spindle off
M09;// Coolent off

G28 U0.0 W0.0;// Tool return to home position
```