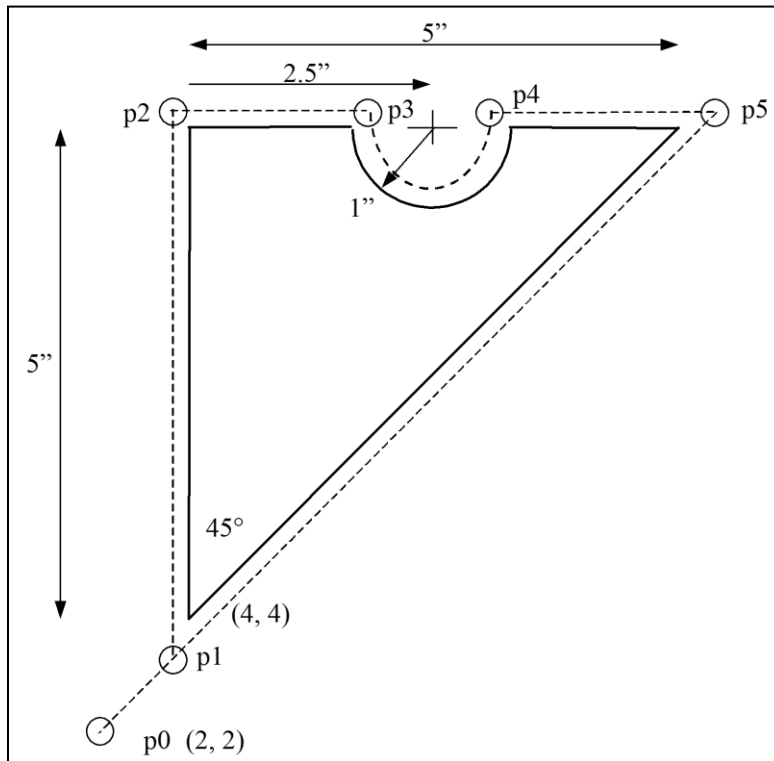


Manual Part Programming Example



Tool size = 0.25 inch,

Feed rate = 6 inch per minute,

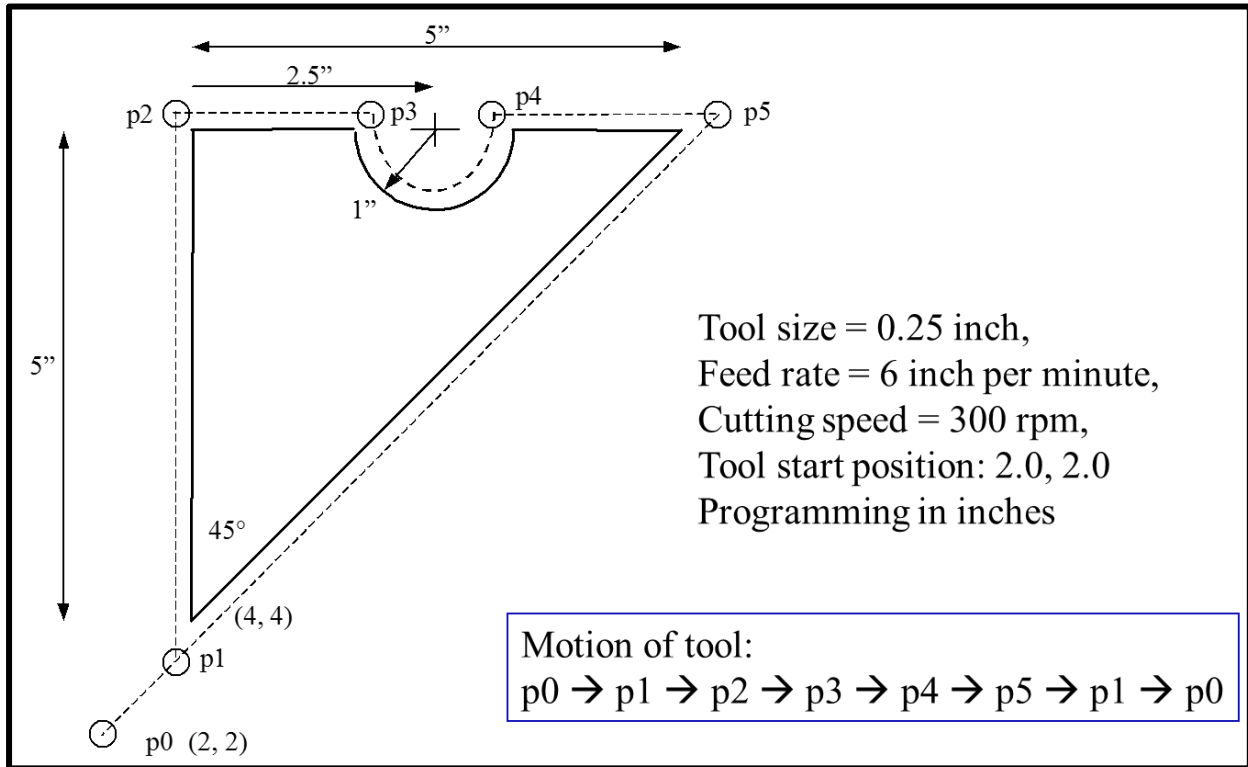
Cutting speed = 300 rpm,

Tool start position: 2.0, 2.0

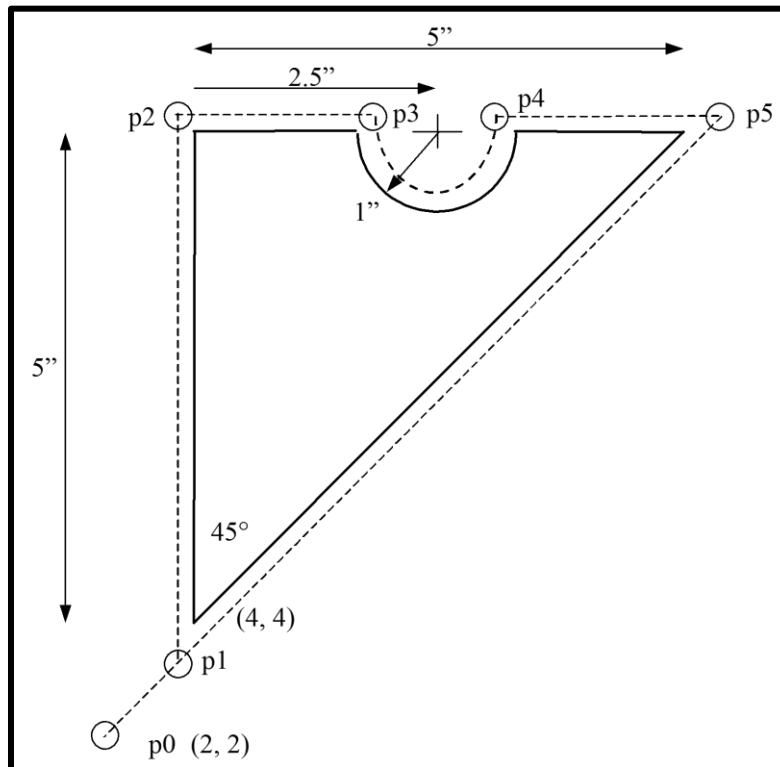
Programming in inches

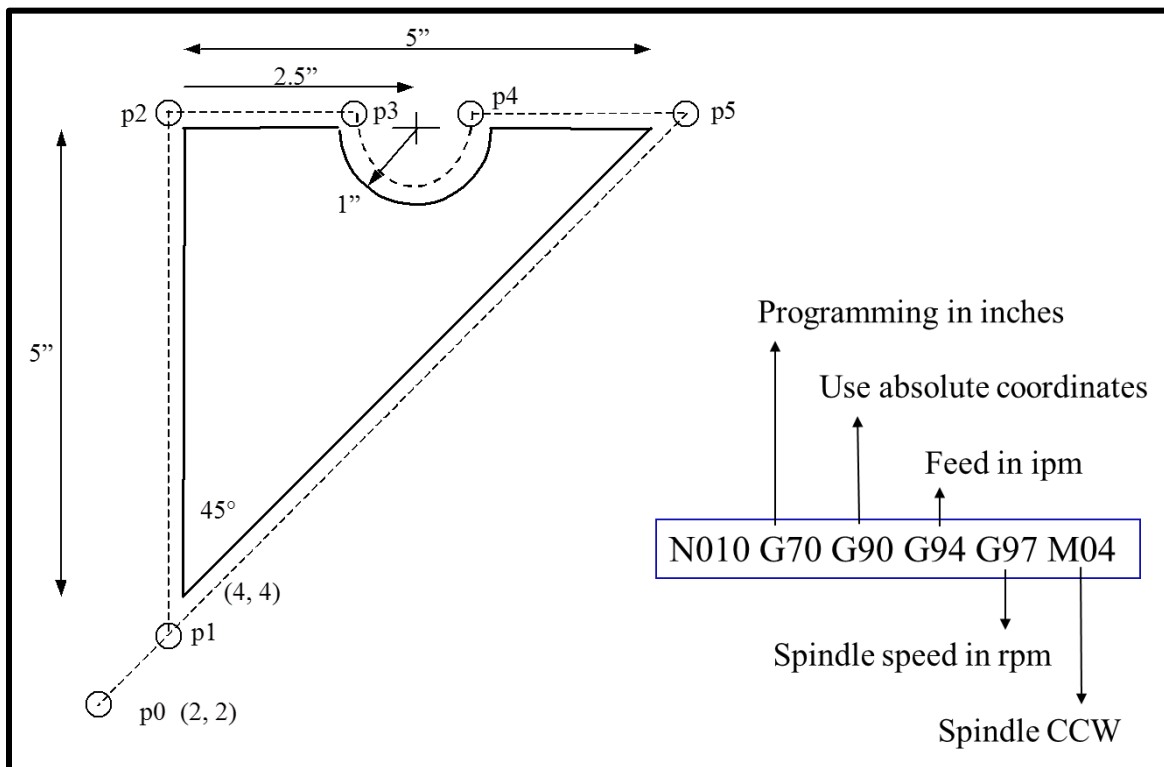
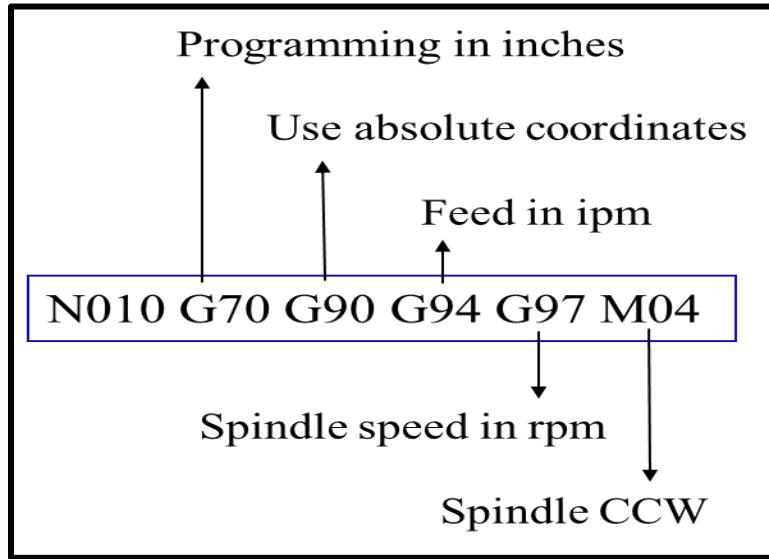
Motion of tool:

p0 → p1 → p2 → p3 → p4 → p5 → p1 → p0

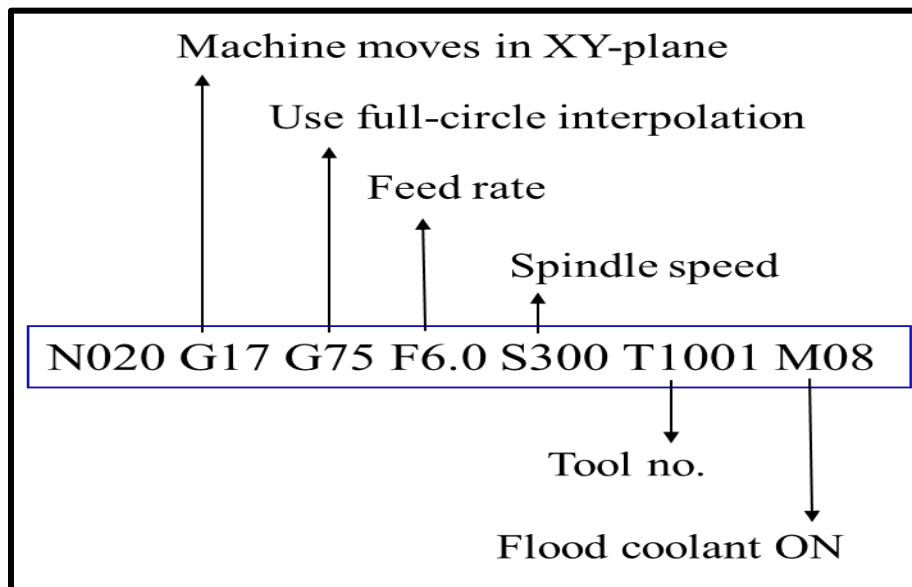
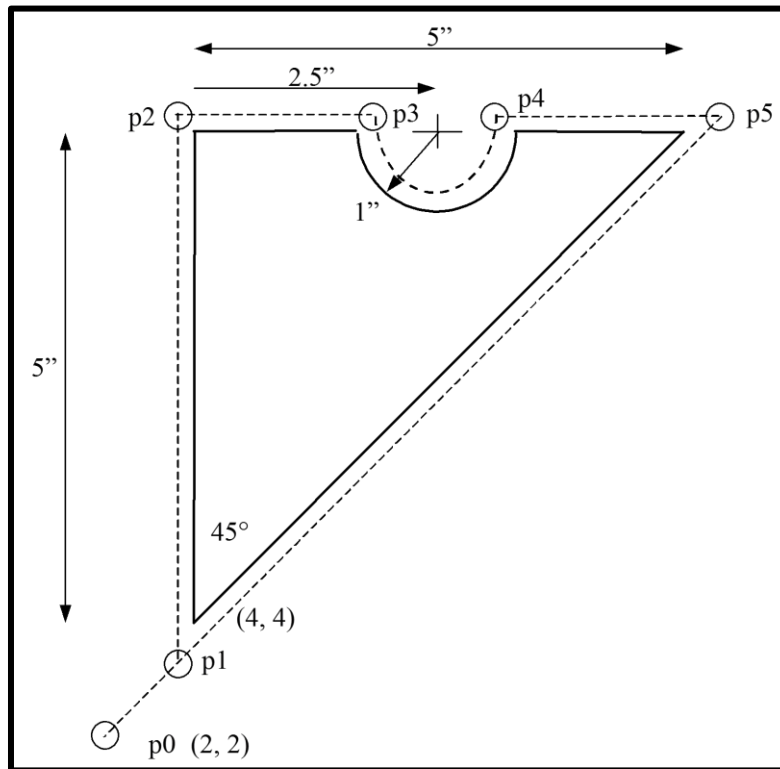


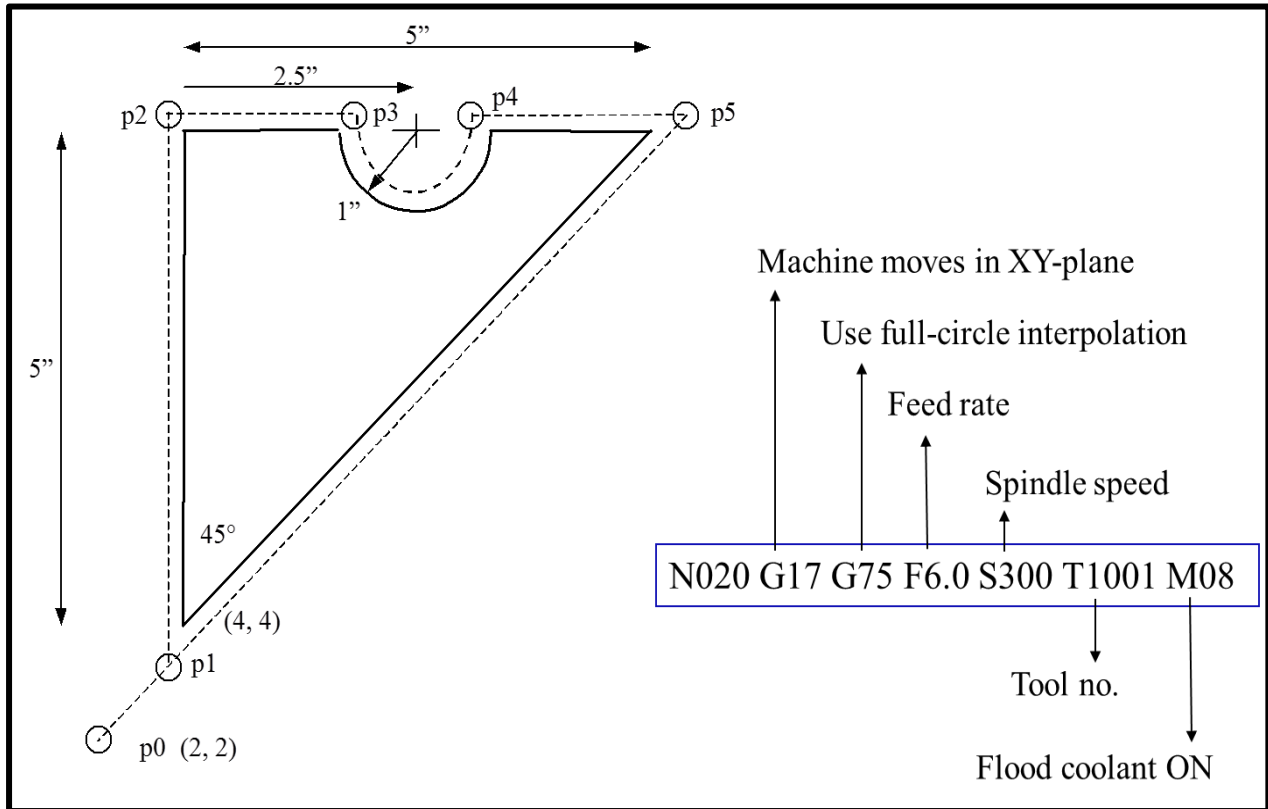
1. Set up the programming parameters



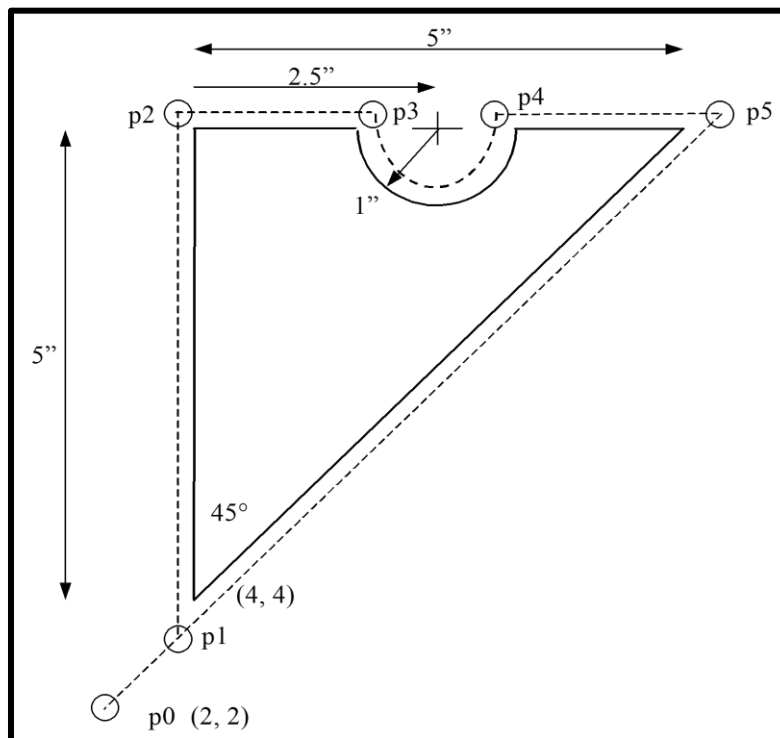


2. Set up the machining conditions





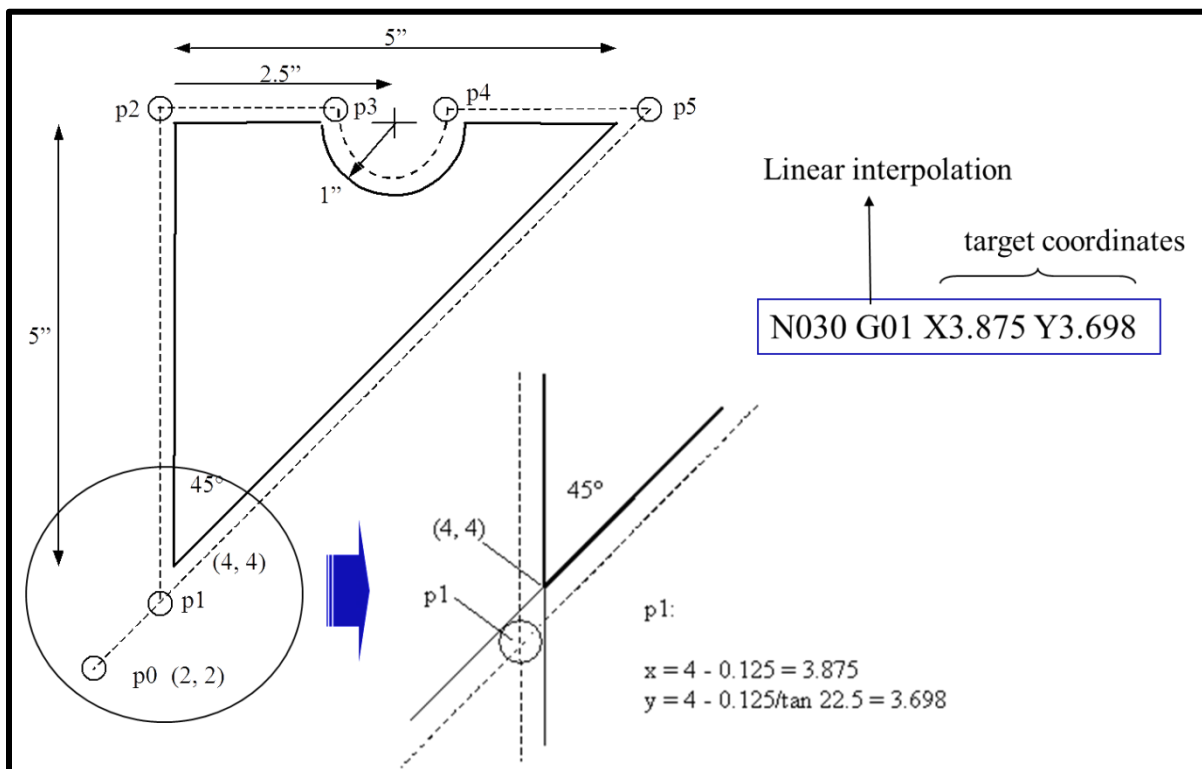
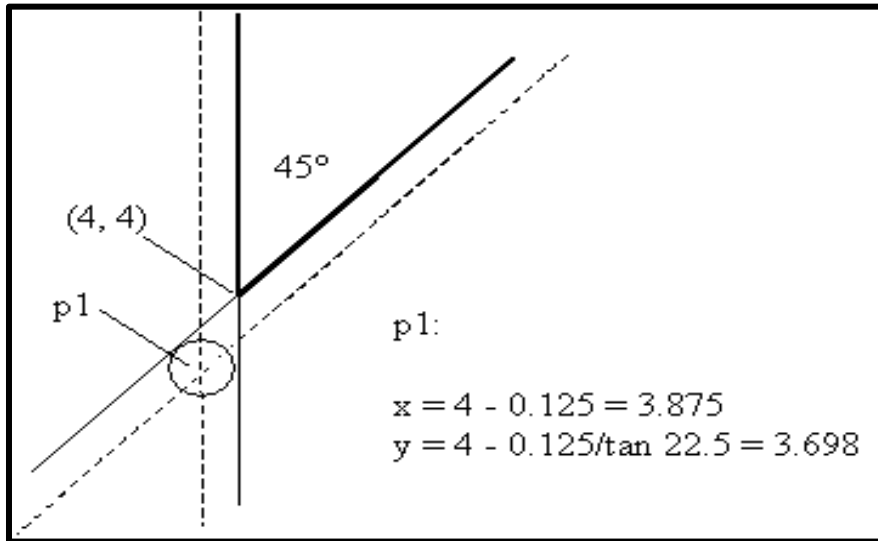
3. Move tool from p0 to p1 in straight line



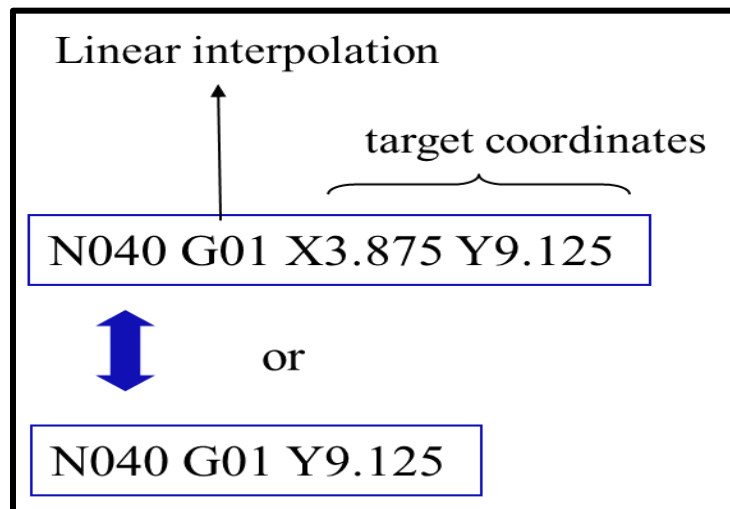
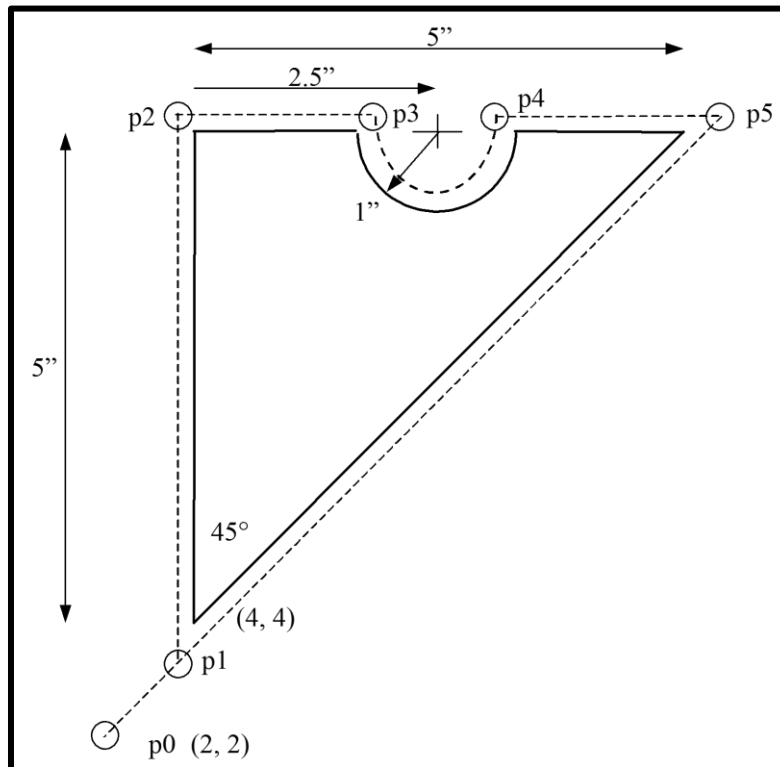
Linear interpolation

target coordinates

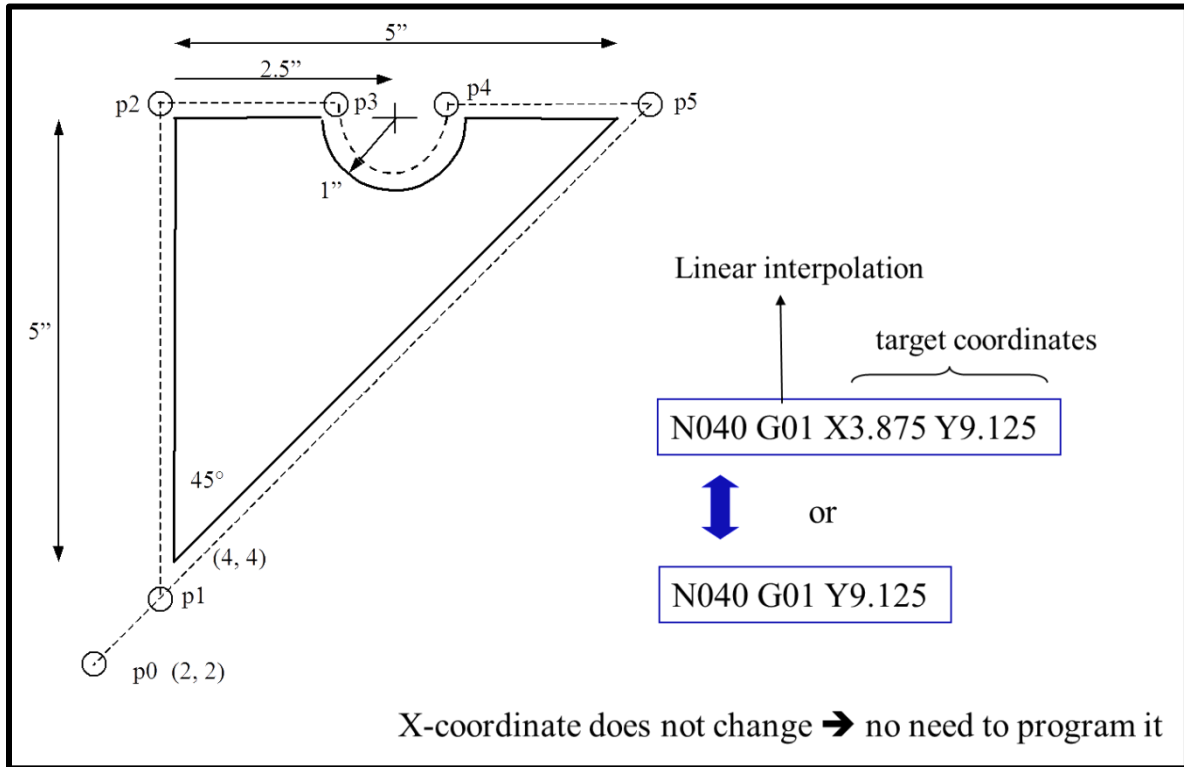
N030 G01 X3.875 Y3.698



4. Cut profile from p1 to p2



X-coordinate does not change → no need to program it



5. Cut profile from p2 to p3

