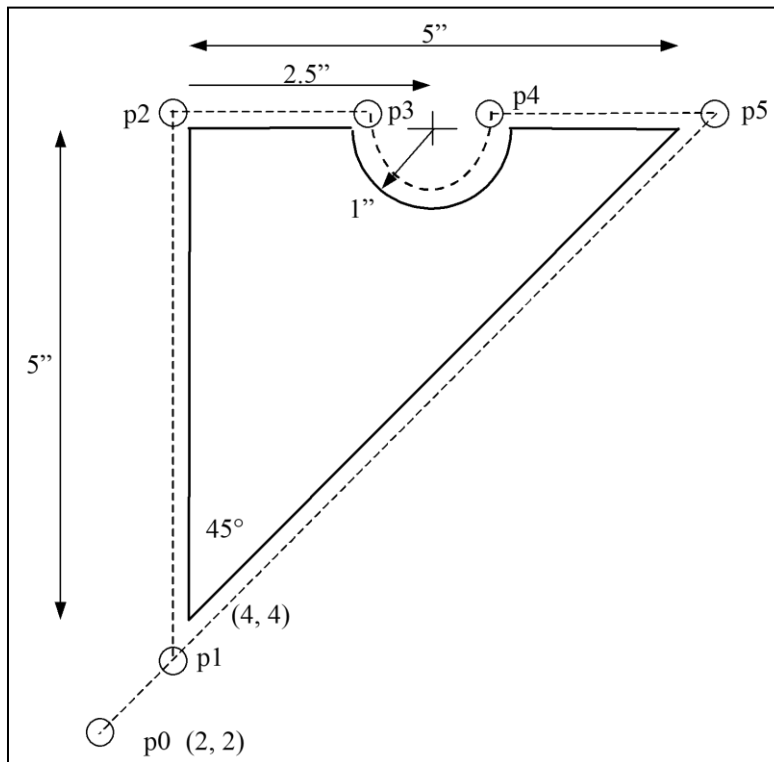


## Manual Part Programming Example

DS001-K      program word address



Tool size = 0.25 inch,

Feed rate = 6 inch per minute,

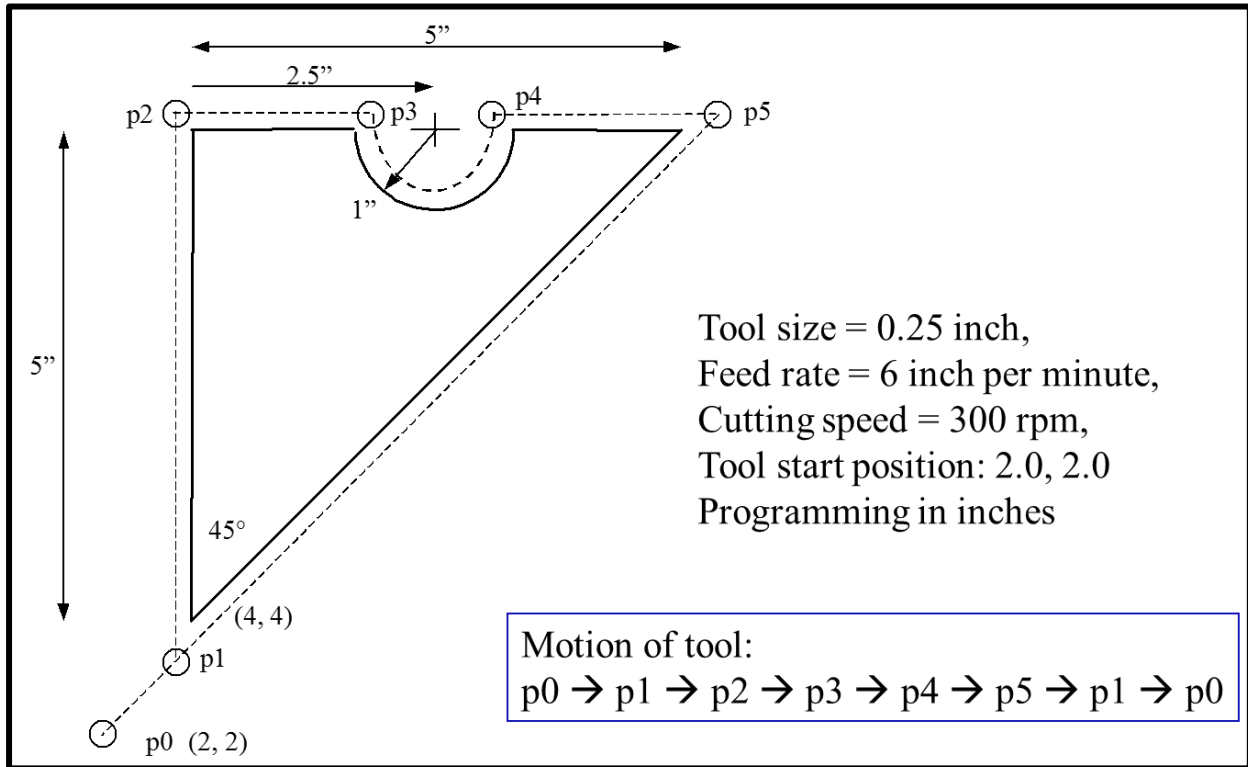
Cutting speed = 300 rpm,

Tool start position: 2.0, 2.0

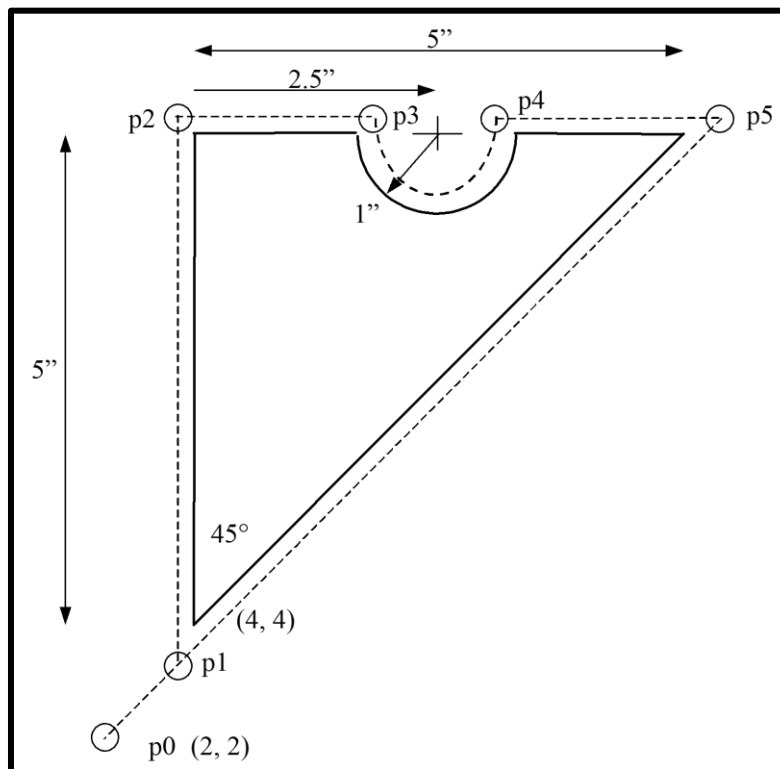
Programming in inches

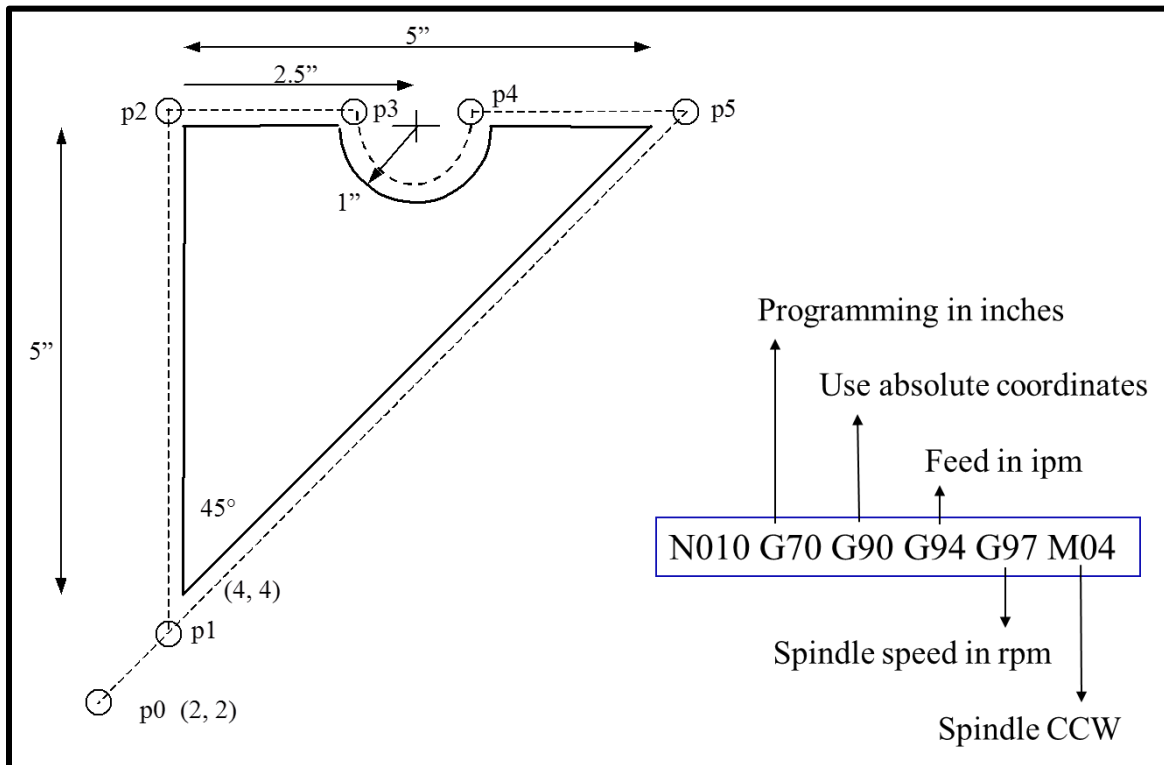
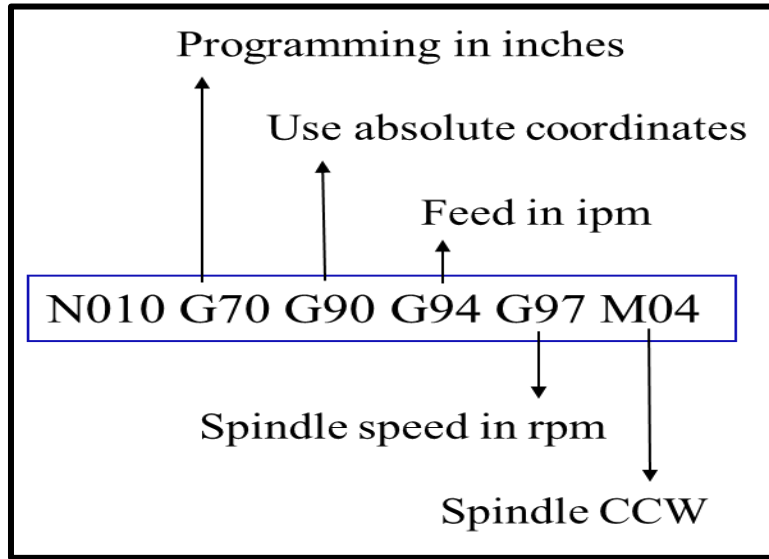
Motion of tool:

p0 → p1 → p2 → p3 → p4 → p5 → p1 → p0

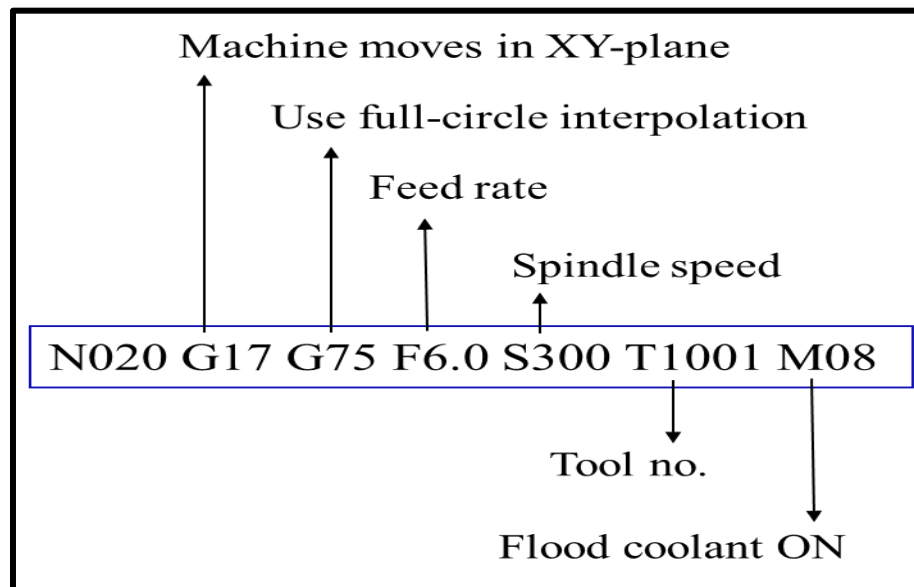
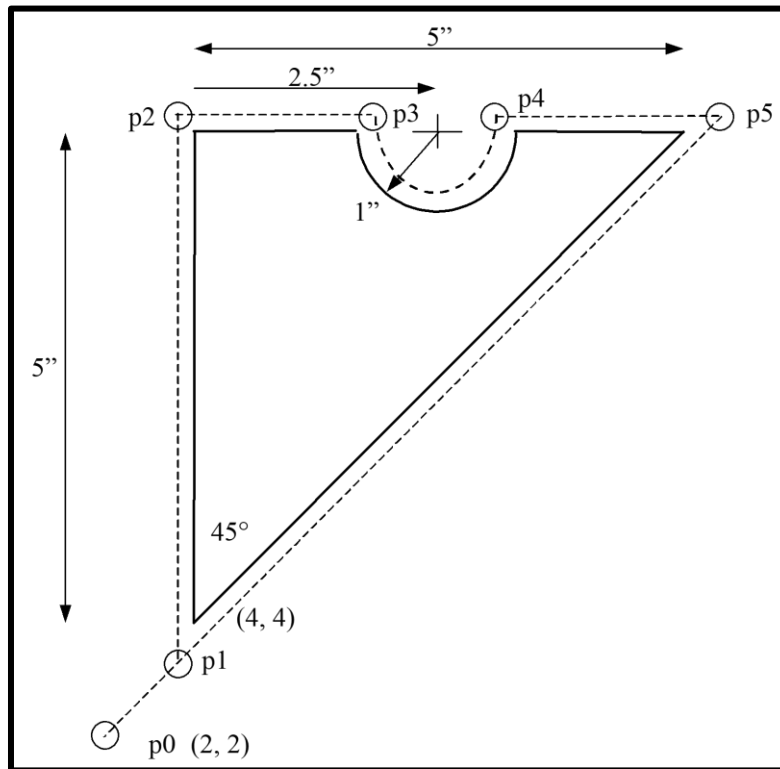


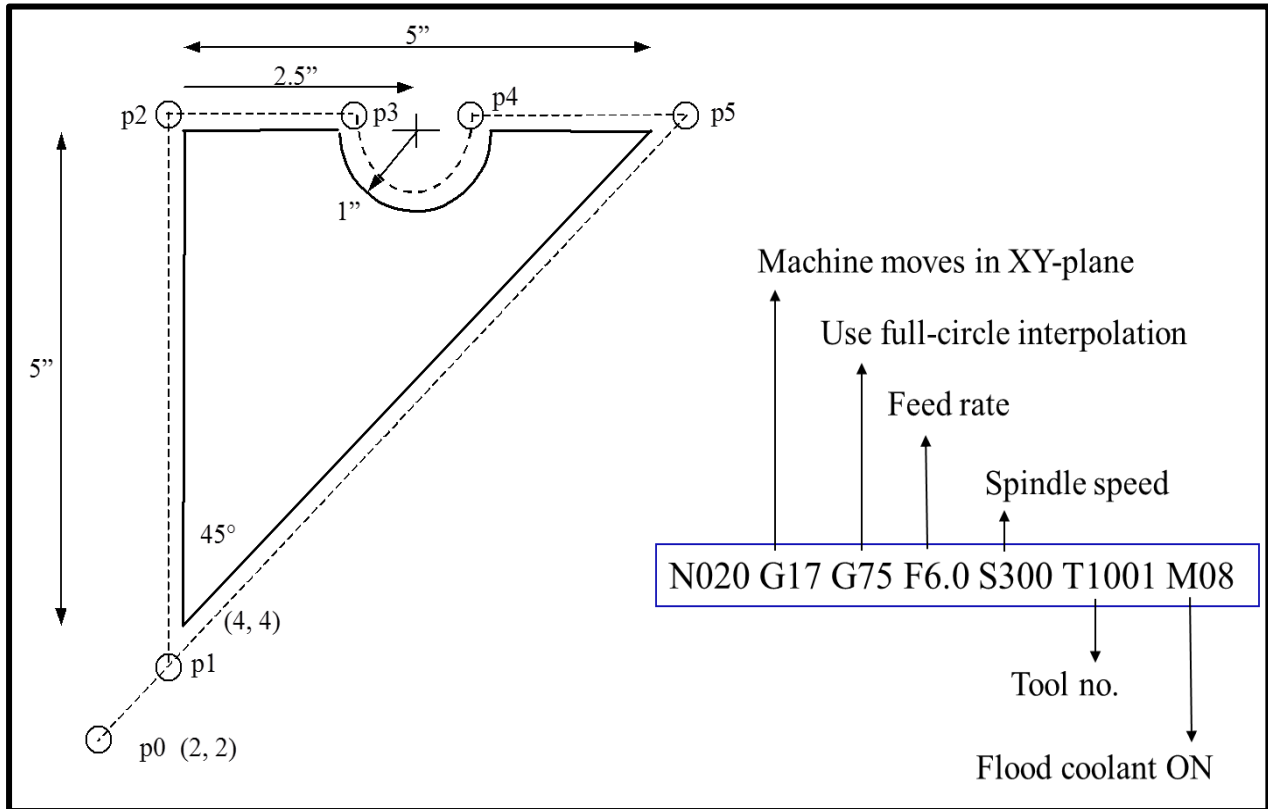
### 1. Set up the programming parameters



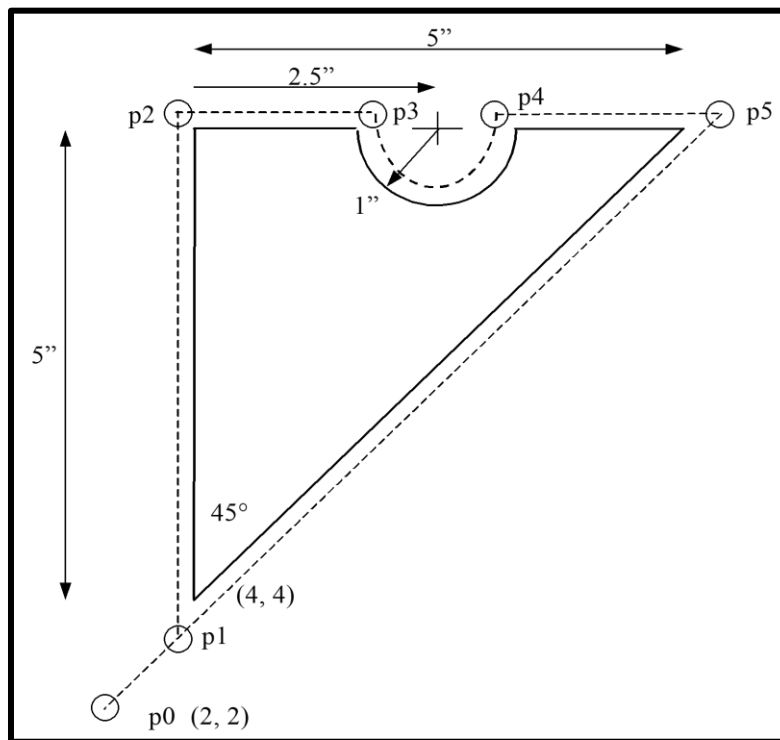


## 2. Set up the machining conditions





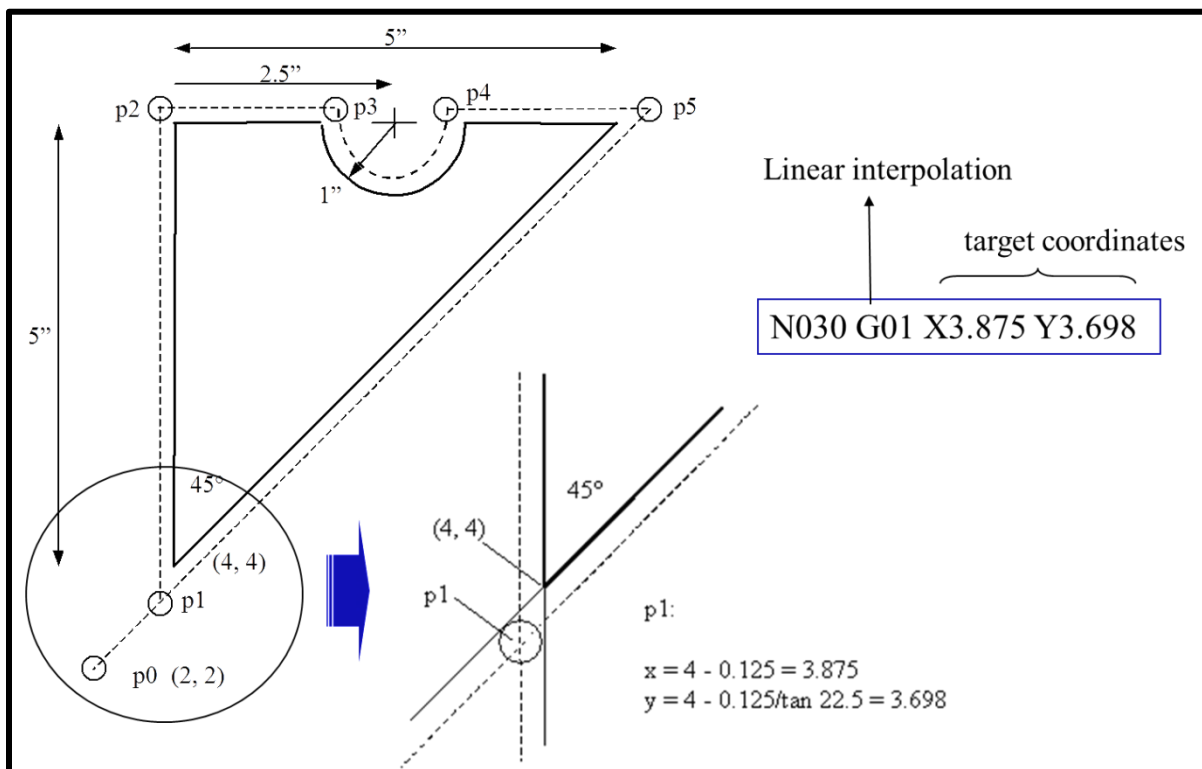
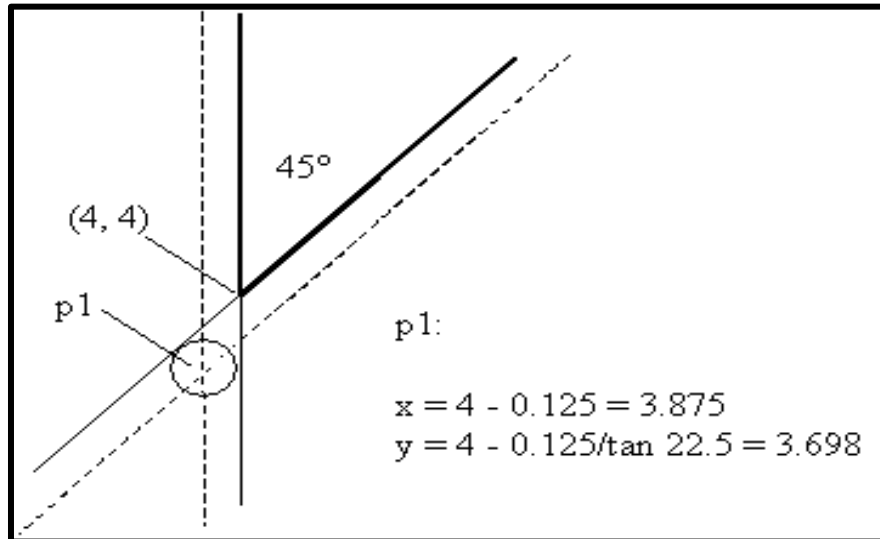
### 3. Move tool from p0 to p1 in straight line



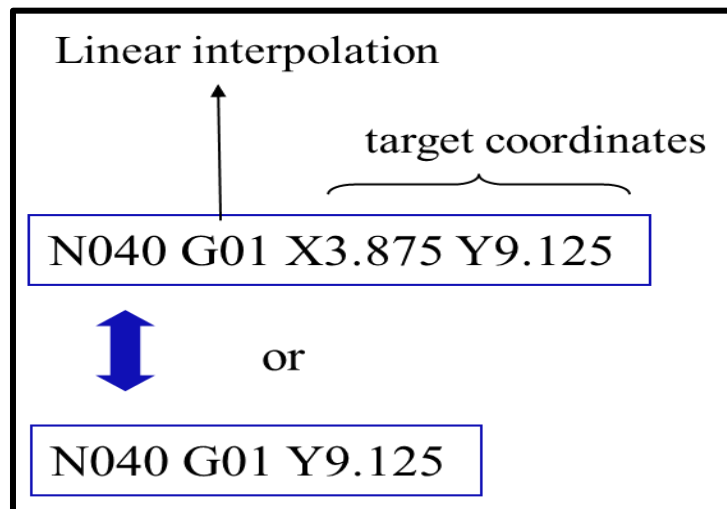
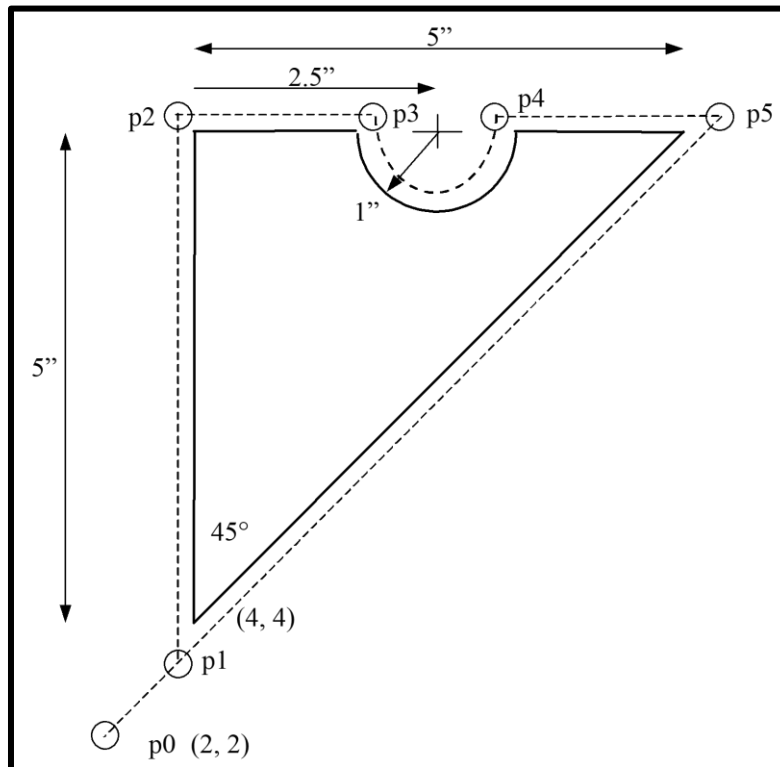
## Linear interpolation

target coordinates

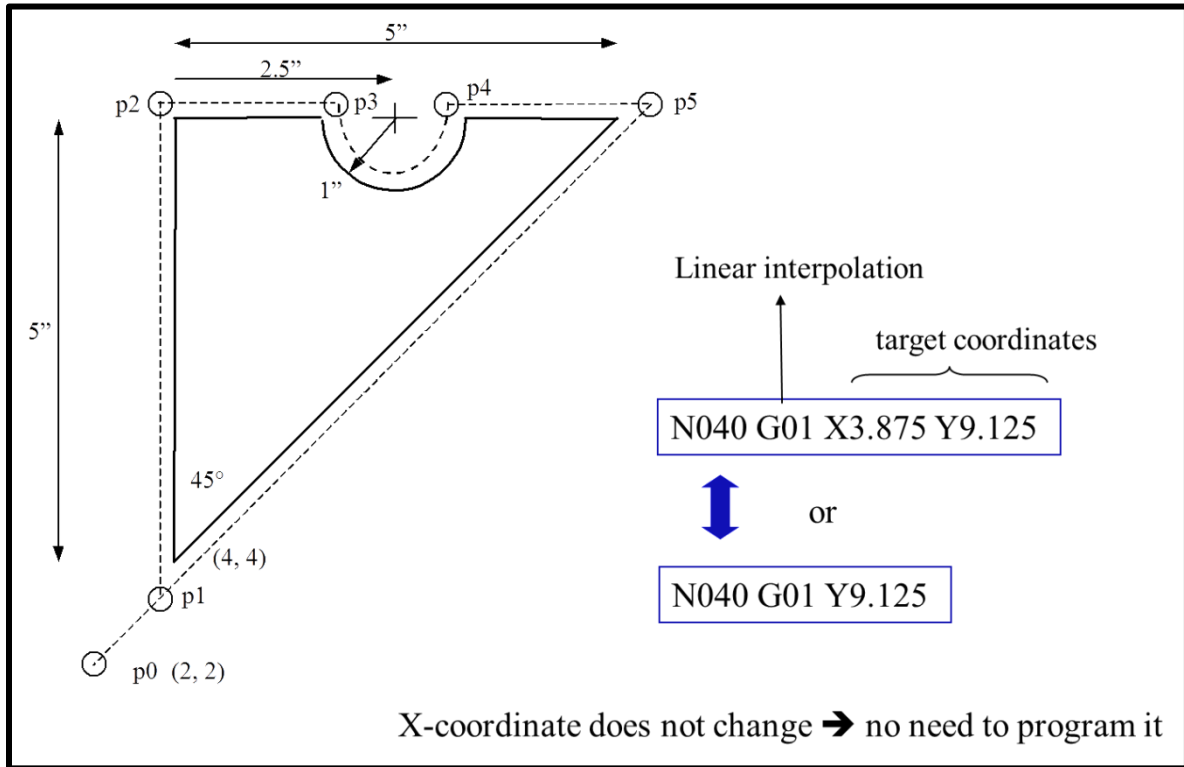
N030 G01 X3.875 Y3.698



#### 4. Cut profile from p1 to p2



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



### 5. Cut profile from p2 to p3

