

, ..... 1  
(Chamfer) ..... 1  
(Round) ..... 2

(Chamfer)

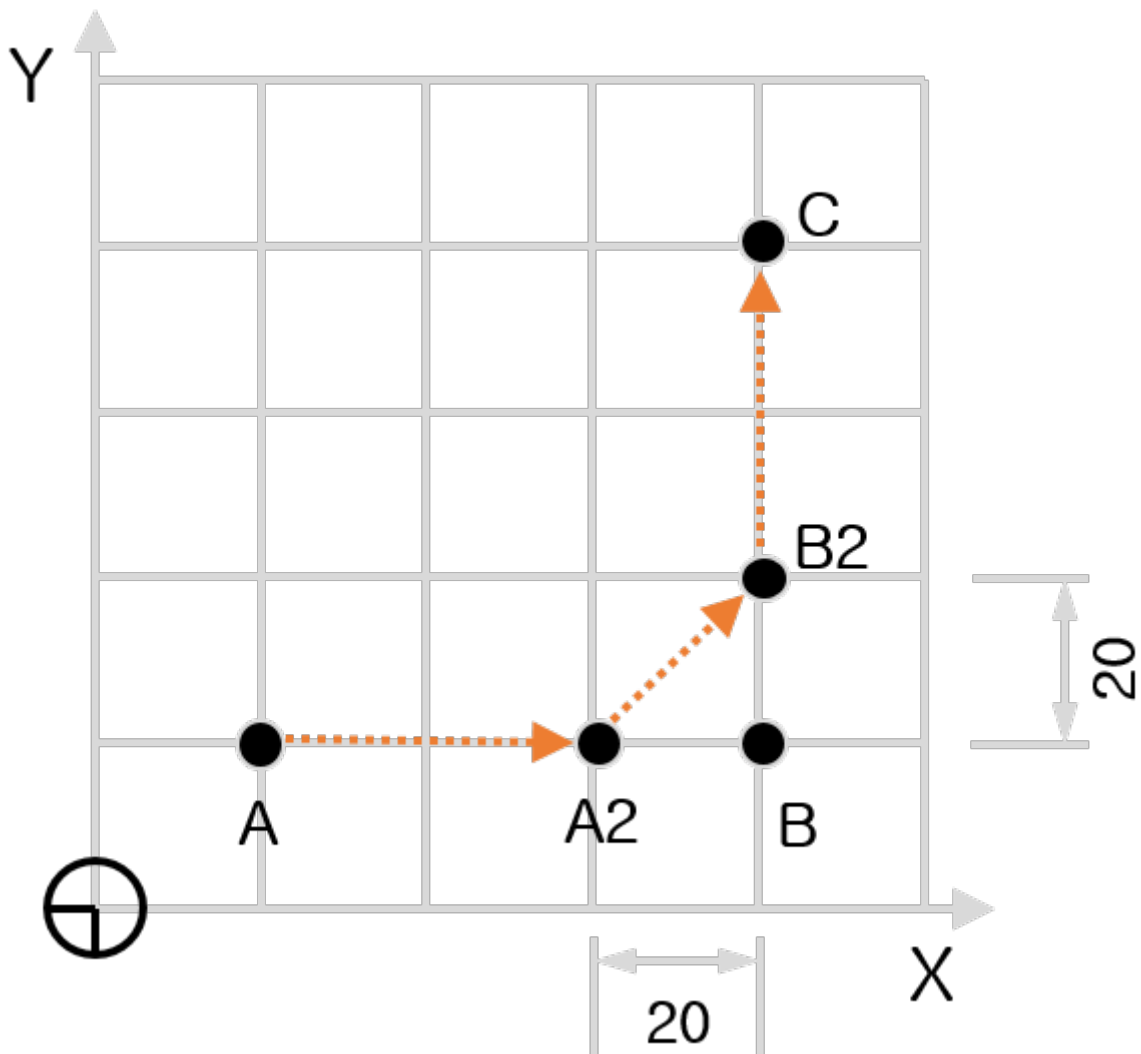
Summanry

- 

Format

- G01 X\_Y\_C\_

Description



- A → A2 → B2 → C

```
G90
G01 X20 Y20 //( → A)
G01 X60 //(A → A2)
G01 X80 Y40 //(A2 → B2)
G01 Y80 //(B2 → C)
```

- A → A2 → B2 → C

```
G90
G01 X20 Y20 //( → A)
G01 X80 C20 //(A → B2, )
G01 Y80 //(B2 → C)
```

### Example

The screenshot shows a CNC emulator interface. On the left, a code editor window titled 'main.g' displays the following G-code program:

```
1 O123456
2
3 M98 P1000
4 M02
5
6 P1000
7
8 G90 F5
9 G01 X20Y0
10 G01 X100 C20
11 G01 Y60 C20
12 G01 X0 C20
13 G01 Y0 C20
14 G01 X20Y0
15
```

On the right, the 'Emulator' window shows a 2D grid with a red path. The path starts at the origin (0,0), moves right to (100,0), then up to (100,60), then left to (20,60), then down to (20,0), and finally back to the origin (0,0). The axes are labeled 'Ch 1' (vertical) and 'Ch 0' (horizontal). A red arrow indicates the direction of travel along the path.

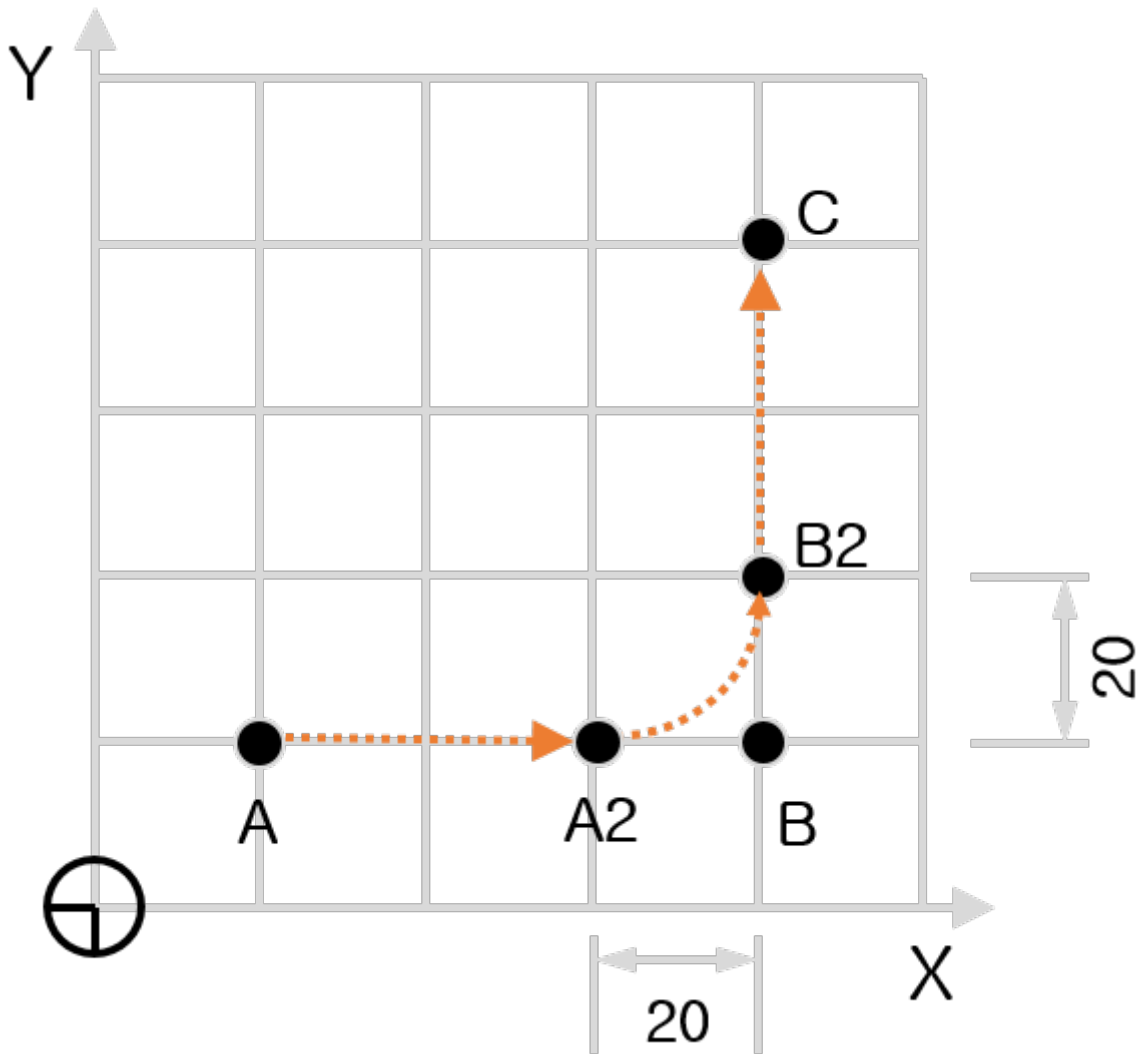
(Round)

### Summary

**Format**

- G01 X\_Y\_R\_

**Description**



- A → A2 → B2 → C

```
G90
G01 X20 Y20      //(    → A)
G01 X60          //(A → A2)
G03 X80 Y40 R20  //(A2 → B2)
G01 Y80          //(B2 → C)
```

- A → A2 → B2 → C

```
G90
G01 X20 Y20 //( → A)
G01 X80 R20 //(A → B2, )
G01 Y80 //(B2 → C)
```

### Example

The screenshot shows a G-code emulator interface. On the left, a code editor window titled 'main.g' displays the following G-code program:

```
1 O123456
2
3 M98 P1000
4 M02
5
6 P1000
7
8 G90 F5
9 G01 X20Y0
10 G01 X100 C20
11 G01 Y60 C20
12 G01 X0 C20
13 G01 Y0 C20
14 G01 X20Y0
15
```

On the right, the 'Emulator' window shows a graphical representation of the tool path on a grid. The path is a closed red line forming a shape with a horizontal top edge, a horizontal bottom edge, and two vertical side edges. The top edge is at Y=60, the bottom edge is at Y=0, and the side edges are at X=20 and X=100. The axes are labeled 'Ch 1' (vertical) and 'Ch 0' (horizontal). A red cursor is positioned at the bottom-left corner of the path, with '0.0000' and '30000' displayed below it.

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