

, 1
(Chamfer) 1
(Round) 2

(Chamfer)

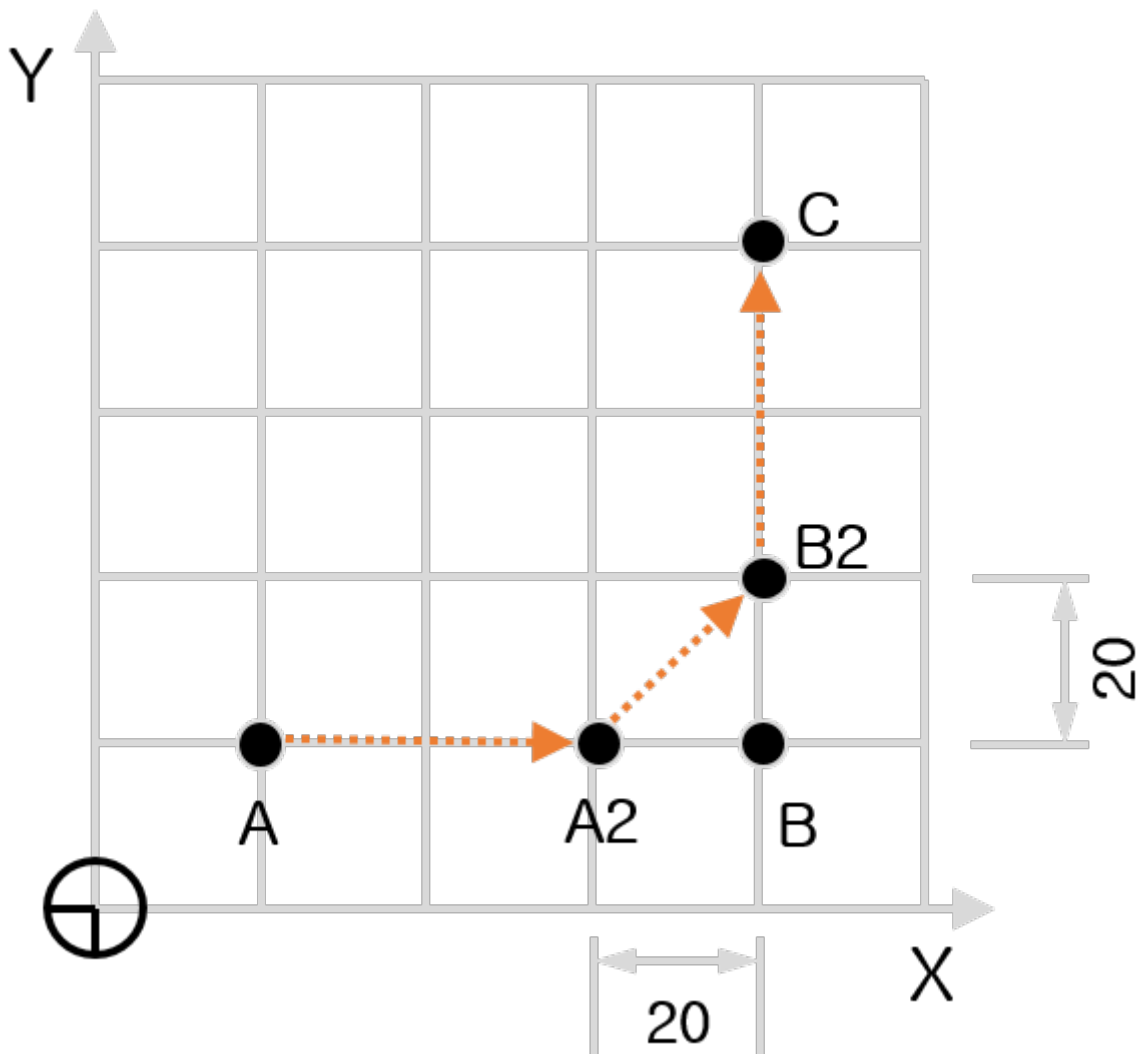
Summary

-

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 coordinate system with a grid. The vertical axis is labeled 'Ch 1' and the horizontal axis is labeled 'Ch 0'. A red line represents the tool path, starting at the origin (0,0), moving to (20,0), then to (100,0), then to (100,60), then to (0,60), then to (0,0), and finally back to (20,0). The path is a closed loop with a small gap at the origin. A red square marker is visible on the Ch 0 axis at the 20000 position.

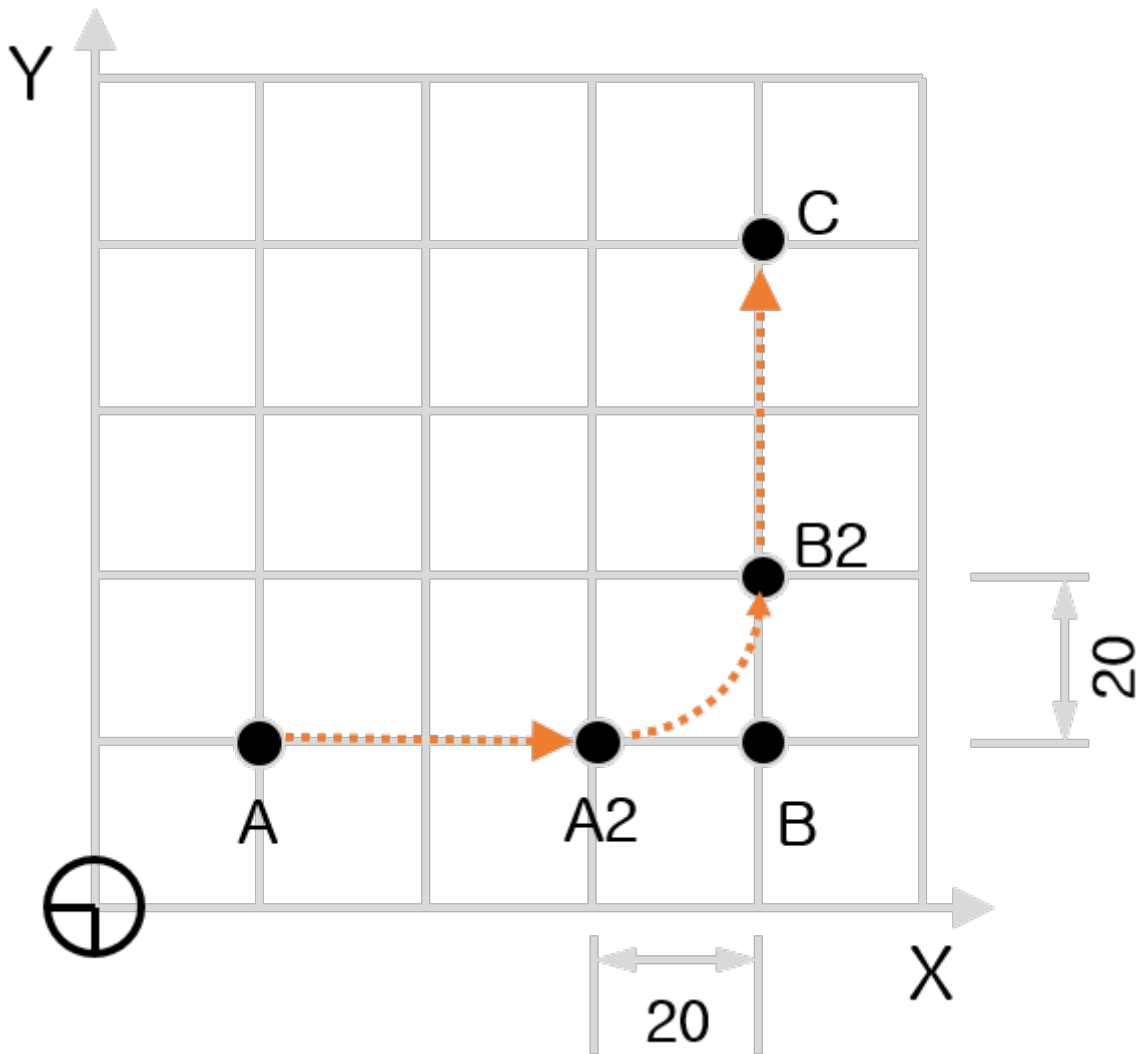
(Round)

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 displays a CNC emulator interface. On the left, a code editor window titled 'main.g' shows 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 R20
11 G01 Y60 R20
12 G01 X0 R20
13 G01 Y0 R20
14 G01 X20Y0
15
```

On the right, the 'Emulator' window shows a graphical representation of the path. The path is a red rounded rectangle on a grid. The horizontal axis is labeled 'Ch 0' and the vertical axis is labeled 'Ch 1'. The path starts at the origin (0,0), moves to X=20, Y=0, then follows a curved path to X=100, Y=60, then moves to X=0, Y=60, and finally returns to X=20, Y=0. The grid has a resolution of 20 units per major tick.

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