



Creating a T-Shaped Puzzle with CNC — Completing the G-Code

HINT: The first line of your code will start with the laser in the up position, not cutting. The last line of your code for each puzzle piece will end with the laser in the up position, not cutting.

Fill in the following blanks to complete the T-shaped Puzzle Code!

Puzzle Piece Number One

N200G _____ X _____ Y _____ Z _____

N210G _____ X _____ Y _____ Z _____

N220G _____ X _____ Y _____ Z _____

N230G _____ X _____ Y _____ Z _____

N240G _____ X _____ Y _____ Z _____

N250G _____ X _____ Y _____ Z _____

N260G _____ X _____ Y _____ Z _____

Puzzle Piece Number Two

N190G _____ X _____ Y _____ Z _____

N200G _____ X _____ Y _____ Z _____

N210G _____ X _____ Y _____ Z _____

N220G _____ X _____ Y _____ Z _____

N230G _____ X _____ Y _____ Z _____

N240G _____ X _____ Y _____ Z _____

N250G _____ X _____ Y _____ Z _____

Puzzle Piece Number Three

N200G _____ X _____ Y _____ Z _____

N210G _____ X _____ Y _____ Z _____

N220G _____ X _____ Y _____ Z _____

N230G _____ X _____ Y _____ Z _____

N240G _____ X _____ Y _____ Z _____

N250G _____ X _____ Y _____ Z _____

N260G _____ X _____ Y _____ Z _____

Puzzle Piece Number Four

N190G _____ X _____ Y _____ Z _____

N200G _____ X _____ Y _____ Z _____

N210G _____ X _____ Y _____ Z _____

N220G _____ X _____ Y _____ Z _____

N230G _____ X _____ Y _____ Z _____

N240G _____ X _____ Y _____ Z _____

N250G _____ X _____ Y _____ Z _____

N260G _____ X _____ Y _____ Z _____

N270G _____ X _____ Y _____ Z _____

*The next step is to create and test your code in a different coding interface, we will be using Scratch!