square

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	TITLE : square	

ACTION	*NAME*	*DATE*	*SIGNATURE*
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Chapter 1

square

1.1 CYCAS DEMO Help - Square

Example : Drawing a square.

Ensure that the scale 1:2000 is indicated in the view menu. If not, use the two buttons next to the scale indicator, which show the symbols and, until the requested scale is displayed.

Now we will see the 2nd input option: Input using reference points.

This example draws four lines which will form a square. Simple, but it will demonstrate a very powerful drawing method.

Select the function Line in the line function list.

The 1st line: Show

Help-bar: "Start point:". Set the start point in the lower left of the drawing area and confirm the point using the enter key on the keyboard. In doing so, you confirm the start point of the line and that the end point of the line is now situated exactly on top of the 1st point. But, the end point of this line is supposed to be located 20m to the right. Move it there using the keyboard in the following manner:

Help-bar: "Move/Confirm:" Hit the cursor right key (the one with the arrow pointing to the right).
Help-bar: "Move to x+:". Because of this action the color of the input box (below the drawing area) turns grey and you can enter "20". Hit the enter key. The end point has now moved to its correct position and you confirm this by hitting the enter key. The result is a horizontal line with the length of 20m.

The 2nd line: Show

This line shall be located at right angles to the first one. Use the pointer to catch the end point of the 1st line. From here, you want to move the point 20m upwards. Help-bar: "Move/End point:" Move the start point by hitting the cursor up key. The help-bar now indicates "Move to Y+:". Again enter "20" and close the entry hitting the enter key. The cross, indicating the start point, moves the distance you entered to it's correct position, and you confirm that. To finish the line you move the ending point, again using the keyboard 20m to the left and confirm that point. Result should be a second line parallel to the first one.

To draw the vertical lines remaining to finish the square you use the pointer; Snap the start and end points of the existing elements and confirm (all with the mouse).

Show

The final result of this 2nd example should be a square, all edges measuring 20m.

Show

The two input options have now been introduced to you during this tutorial. To summarize the input-options:

All points can be located by "catching" them with the Snap option. Afterwards you have the two possibilities - to move each point using the keyboard, or you confirm them right away.

The sequences of each function can be aborted by using the right mousebutton outside of the drawing area.