

EXPRESS TOOL

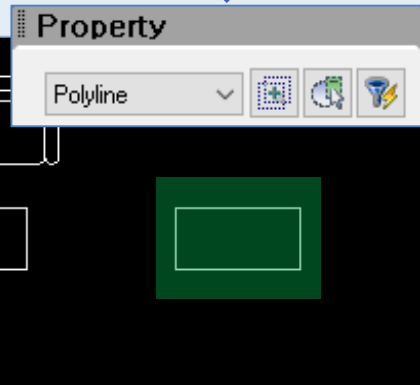
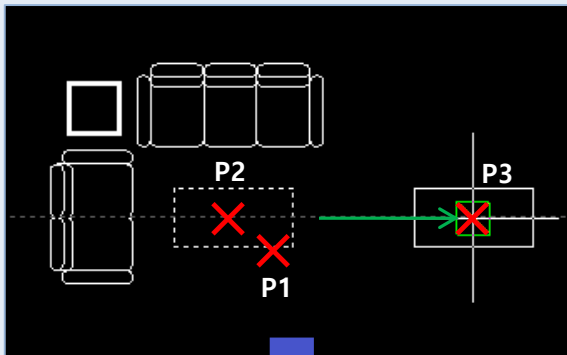
CADian 2020



Entity (In block and xref) copy -1

Command : ncopy

ncopy Basic principle (BLOCK)



Execution Process

*. "ncopy.dwg" File OPEN

1. "Command:" ncopy Input and SPACE

2. "Select ~ copy:" P1 Click and SPACE

3. "~ [Displacement/mOde]<Displacement>:"
P2 Click and SPACE

4. "~ <use first point as displacement>:"
P3 Click and SPACE

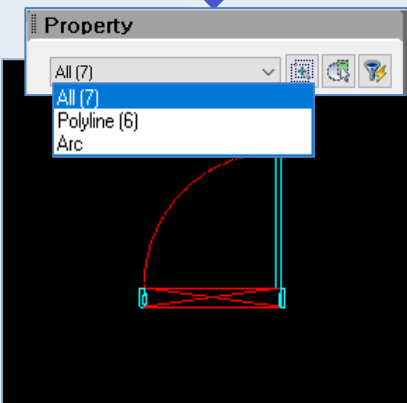
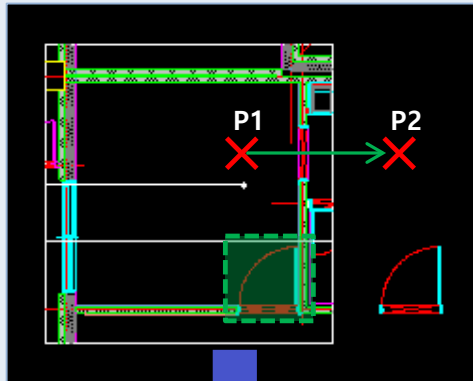
NOTE

- Ability to insert entities in a block directly without going through a block editor

Entity (In block and xref) copy -2

Command : ncopy

ncopy Basic principle (Xref)



Execution Process

*. "ncopy1.dwg" File OPEN

1. "Command:" ncopy Input and SPACE

2. "Select ~ copy:" Select the door entity Enter

3. "~ [Displacement/mOde]<Displacement>:
" P1 Click and Enter

4. "~ <use first point as displacement>:
" P2 Click and Enter

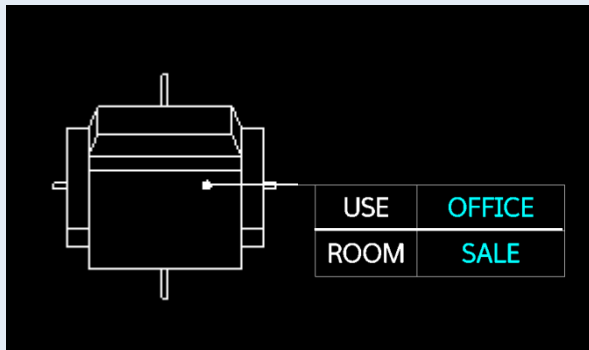
NOTE

- Window area and cross area can not be selected when entities is selected

Explode to the value of attribute

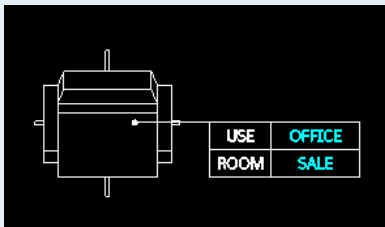
Command : burst

Burst Basic principle (Xref)

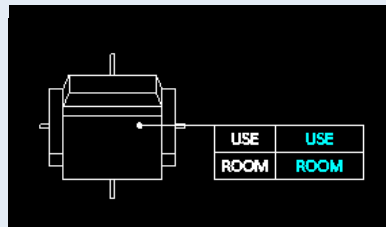


BURST

EXPLODE



Use : Office (Value)
Room : SALE (Value)



Use : Office (Tag)
Room : SALE (Tag)

Execution Process

*. "burst.dwg" File OPEN

1. "Command:" burst Input and SPACE

2. "Select entities:" P1 Select and Enter

NOTE

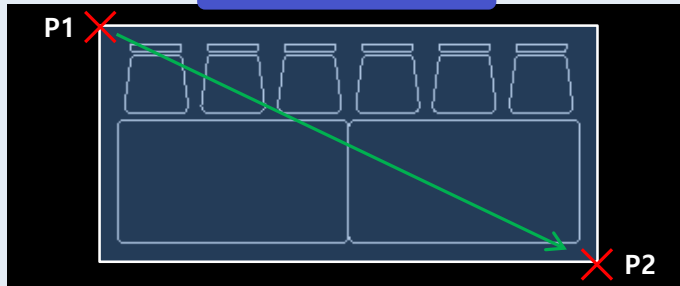
- Explode with value text
- The contents of the tag and the value refer to the attribute of the block

Count the number of blocks

Command : bcount

Block Count Basic principle

Block : chair / table



BCOUNT

Command Prompt

```

Command: bcount
Press Enter to select all entities or...
Select entities:
Opposite corner:
8 found
Select entities:
Block          Count
-----
chair          6
table          2
    
```

Number per block

Execution Process

*. "bcount.dwg" File OPEN

1. "Command:" bcount Input and SPACE

2. "Select entities:" P1 Click

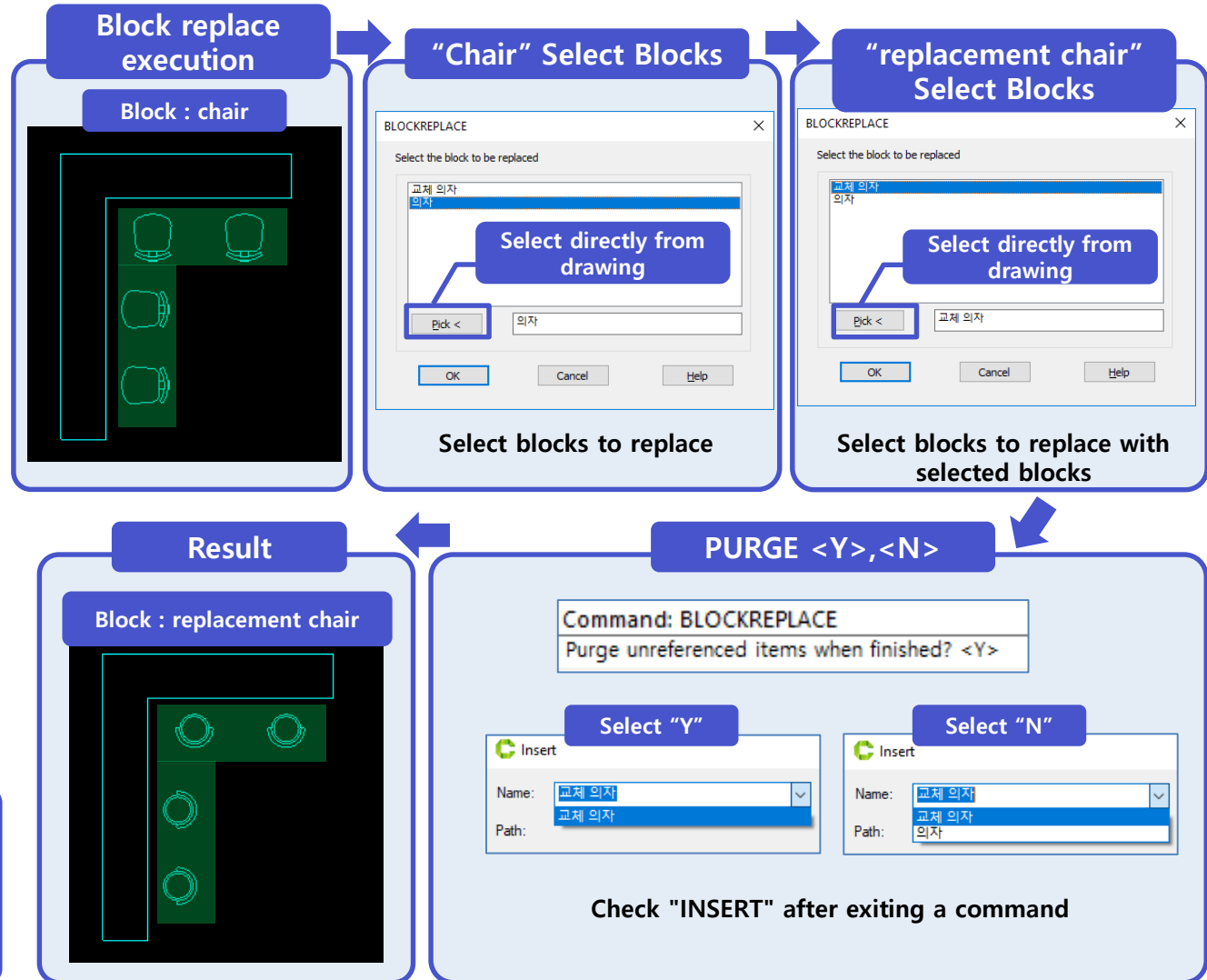
3. "Opposite corner : " P2 Click and SPACE

NOTE

-. Be useful in determining the number of blocks

Block Replace

Command :
blockreplace



NOTE

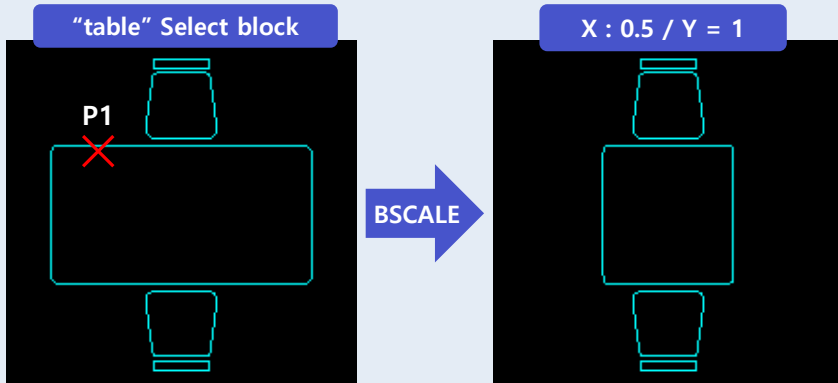
-. If you use the purge function during the execution, the block to be replaced disappears

Block Scale

Command : bscale

```
Command: BSCALE
Select Objects :
Opposite corner: Select Objects :
1 foundSelect Objects :
Specify type of scaling [Absolute (final)/Relative (multiply)] <Absolute>:
Absolute X scale or [XYZ] <1.0>: 0.5
Absolute Y scale <use X scale>: 1
```

Block Scale Basic principle



Execution Process

*. "bscale.dwg" File OPEN

1. "Command:" bscale Input and SPACE

2. "Select Objects :" P1 Click and SPACE

3. "Specify ~ <Absolute>:" SPACE

4. "~ X scale or [XYZ] <>:" 0.5 Input and SPACE

5. "~ Y scale <use X scale>:" 1 Input and SPACE

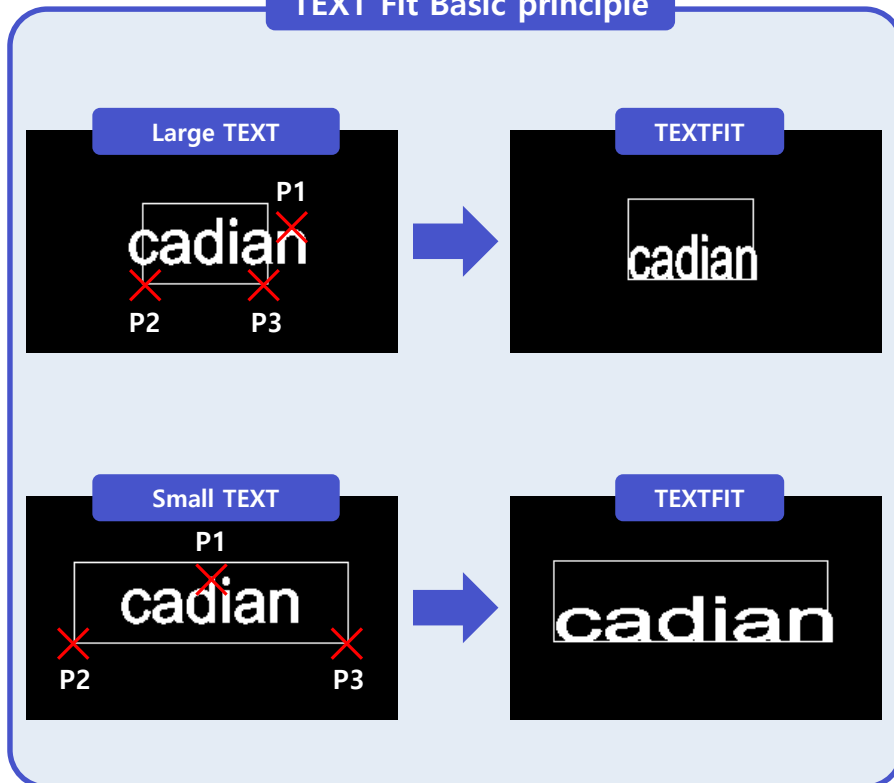
NOTE

- Change the scale of the selected block without "INSERT" or "EXPLODE"

Fit text

Command : textfit

TEXT Fit Basic principle



Execution Process

*. "textfit.dwg" File OPEN

1. "Command:" textfit Input and SPACE

2. "Select ~ stretch or shrink:" P1 Click

3. "Specify ~ [Start point]:"
s Input and SPACE (Start point)

4. "~ new starting point:" P2 Input and SPACE

5. "ending point:" P3 Input and SPACE

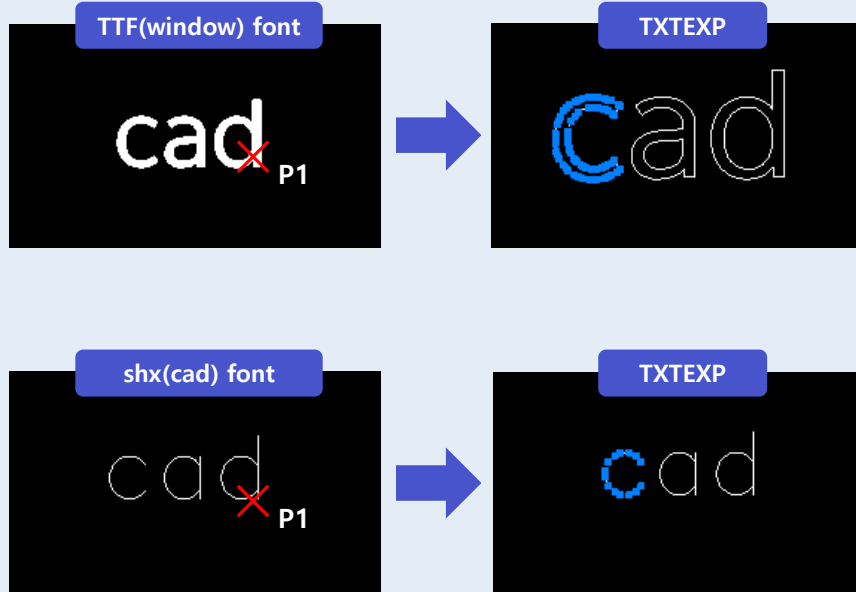
NOTE

- in step 2, Multiple selection impossible
- TEXT height is not adjustable (TEXT Width Feature)

Explode text to cad entity

Command : txtexp

TEXT Explode Basic principle



Execution Process

*. "txtexp.dwg" File OPEN

1. "Command:" txtexp Input and SPACE

2. "Select text to be EXPLODED:
P1 Click and SPACE

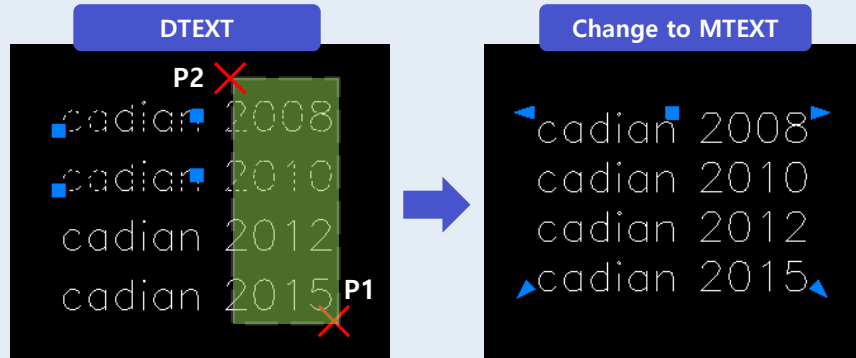
NOTE

- For Windows font, remove the hatch from the text
- The Property changes from a text to a polyline.

Convert text to multi-line text

Command : txt2mtxt

TXT2MTXT Basic principle



Execution Process

*. "txt2mtxt.dwg" File OPEN

1. "Command:" `txtexp` Input and SPACE

2. "Select entities : " P1 Click

3. "Opposite corner : " P2 Click and SPACE

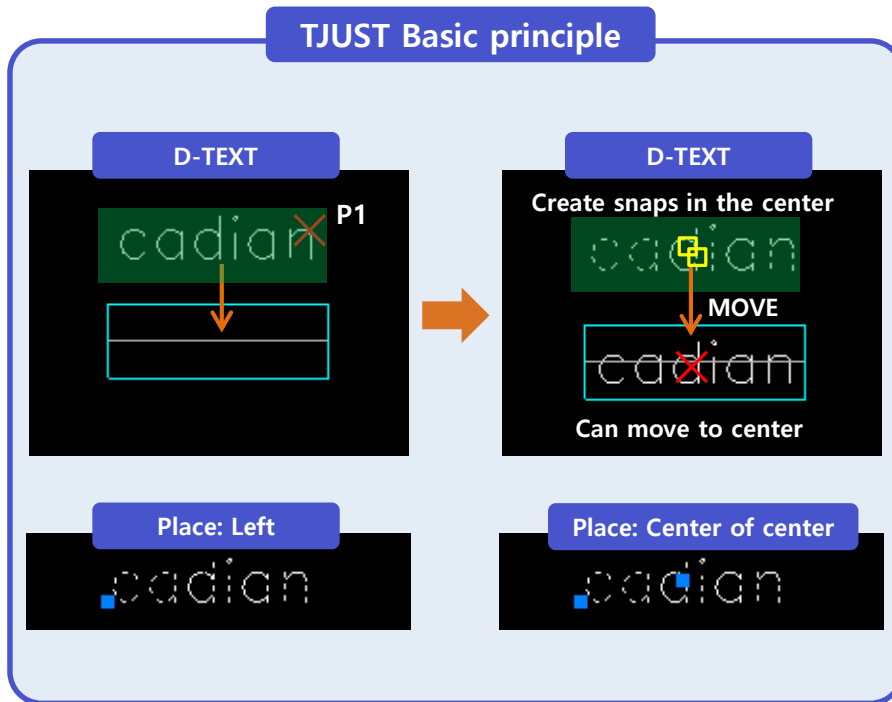
NOTE

- To change a M-TEXT to a D-TEXT, run the command "EXPLODE"

Text Justification

Command : tjust

TJUST Basic principle



Execution Process

*. "tjust.dwg" File OPEN

1. "Command:" tjust Input and SPACE

2. "Select Objects : " P1 Click

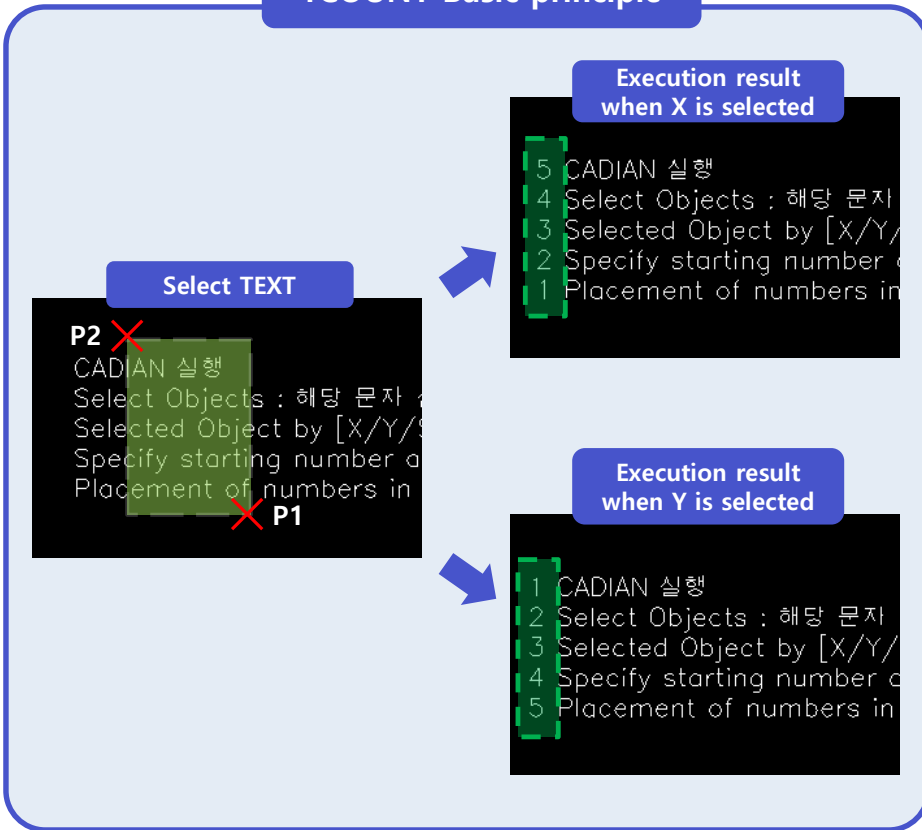
3. "~ML/MC/MR~ <Left> : "
mc Input and SPACE

NOTE

- You can also change in the Text -> Justification item in the Properties
- Justification item in step 3
[Left/Center/Middle/Right/TL/TC/TR/ML/MC/MR/BL/BC/BR]

Text count
 Command : tcount

TCOUNT Basic principle



Execution Process

- *. "tcount.dwg" File OPEN
- 1. "Command:" tcount Input and SPACE
- 2. "Select Objects : " P1 Click
- 3. "Opposite corner : " P2 Click and SPACE
- 4. "~ [X/Y/Select-order] <Select-order>:" y Input and SPACE
- 5. "~ increment (Start,Increment) <1,1> : " "1,1" Input and SPACE
- 6. "~ [Overwrite/Prefix/Suffix/Find&replace..] <Prefix> : " p Input and SPACE

NOTE

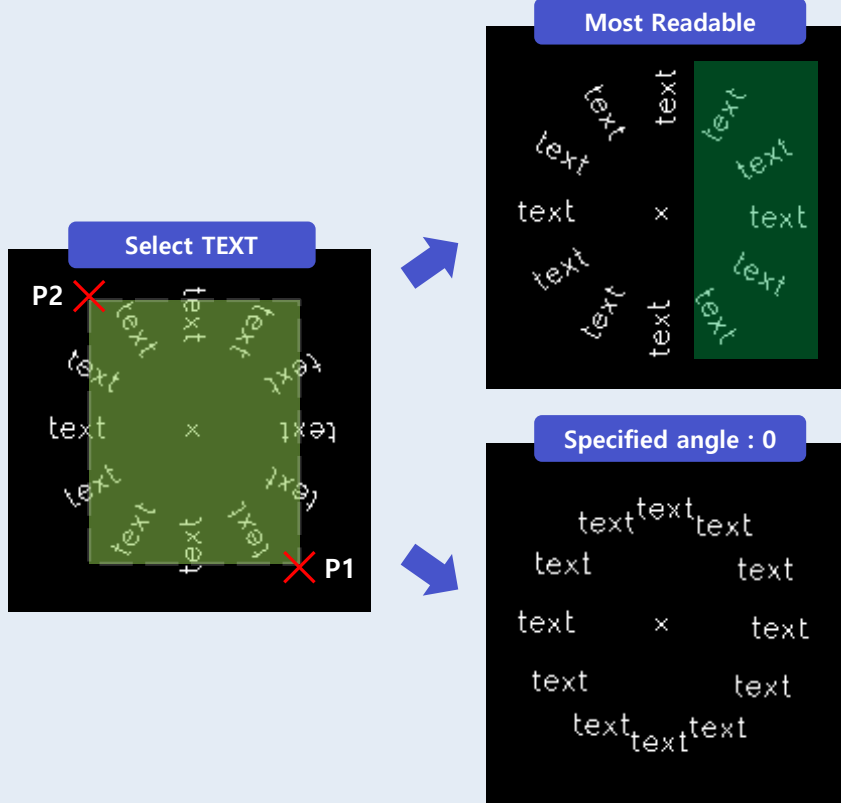
Overwrite	Suffix	Find&replace
1	TEXT 1	TE1T
2	TEXT 2	TE2T
3	TEXT 3	TE3T
4	TEXT 4	TE4T
5	TEXT 5	TE5T

Replace "X"

Rotate TEXT

Command : torient

TORIENT Basic principle



Execution Process

*. "torient.dwg" File OPEN

1. "Command:" torient Input and SPACE

2. "Select entities :" P1 Click

3. "Opposite corner :" P2 Click and SPACE

4. "New absolute rotation <Most Readable>:"
SPACE

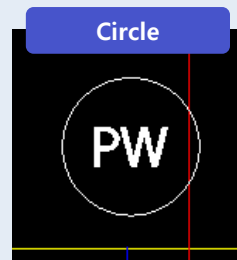
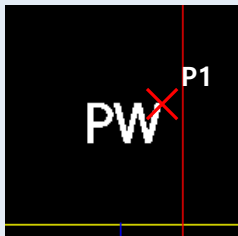
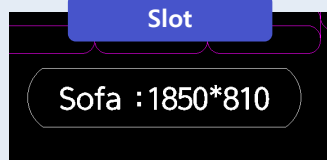
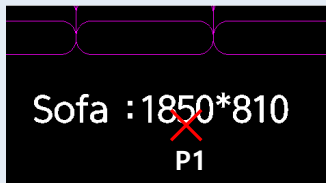
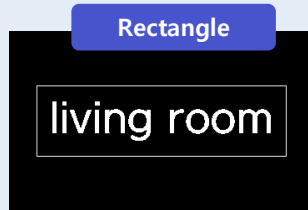
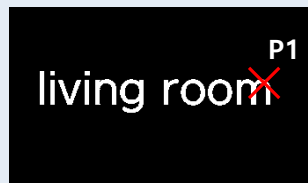
NOTE

- Rotate at specified angle when entering angle value in step 4
(Refer to the picture on the left <Specified angle : 0>)

Create text border

Command : tcircle

TCIRCLE 기본 실행



Execution Process

*. "tcircle.dwg" File OPEN

1. "command : " Input "tcircle" and SPACE

2. "Select Objects : " P1 Click

3. "Enter ~ offset factor <80>:
80 Input and SPACE

4. "~[Circles/Slots/Rectangles] <>:
r Input and SPACE (Select Rectangle)

5. "~ [Constant/Variable]" v Input and SPACE

NOTE

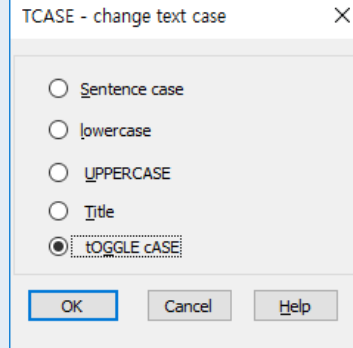
- If you select c in step 5, draw the same border of several text (Height(h) / Width(w) / both(b))

Width	Height	Both
Study 355.5	Study 355.5	Study
1 262.9	1 355.5	1
t 257.4	t 355.5	t

Change text case

Command : tcase

TCASE dialog box



Execution Process

*. "tcase.dwg" File OPEN

1. "Command :" tcase Input and SPACE

2. "Select Objects : "P1 " Click

3. Select an item in the dialog box and "OK" Click

TCASE Basic principle

Original

CADian of korea^{P1}

Sentence case

Cadian of korea

lower case

cadian of korea

UPPER CASE

CADIAN OF KOREA

Title

Cadian Of Korea

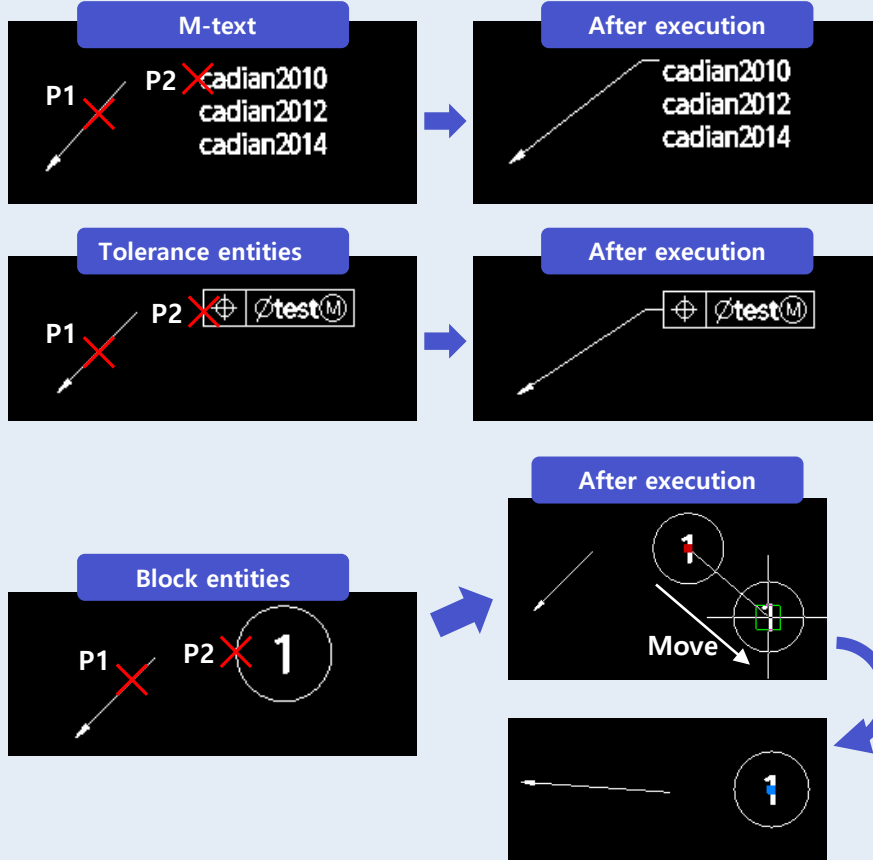
tOGGLE cASE

cADIAN OF KOREA

Attach Leader

Command : qlattach

QLATTACH Basic principle



Execution Process

*. "qlattach.dwg" File OPEN

1. "Command: Input "qlattach" and SPACE

2. "Select Leader: " P1 Click

3. "Select Annotation:" P2 Click

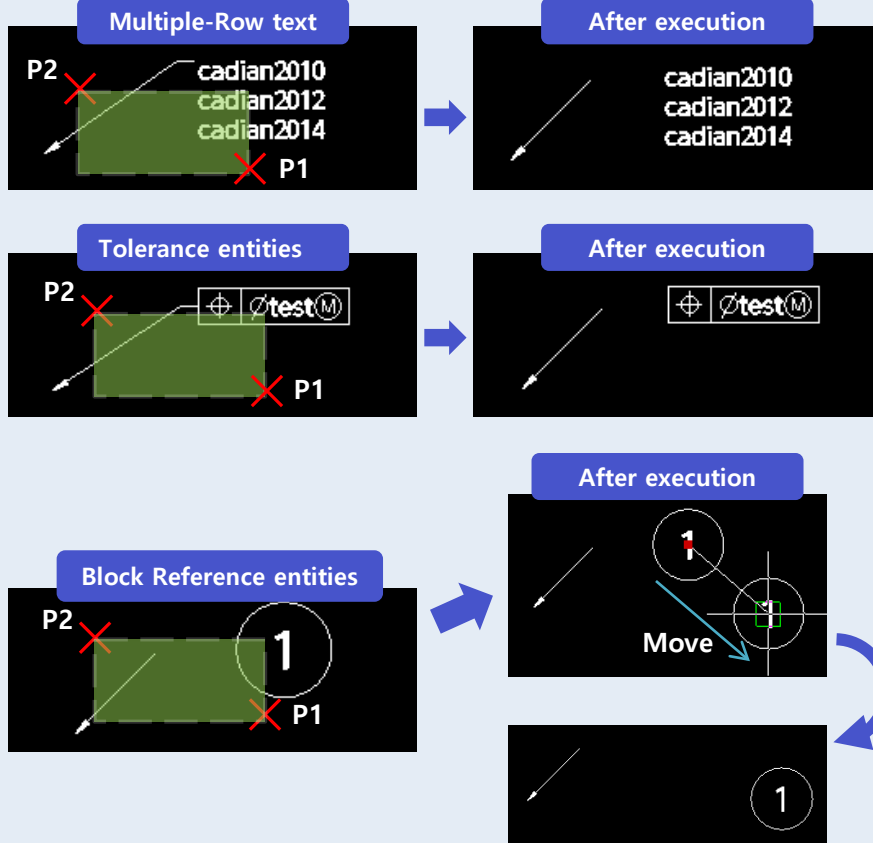
NOTE

- The command is only available on **multi-line text / Tolerance / block**.
- Apply a block entity and move the block entity with the "MOVE" command, the leader moves according to the entity

Detach Leader

Command: qldetachset

QLDETACHSET Basic principle



Execution Process

*. "qlattach.dwg" File OPEN

1. "Command: Input "qldetachset" and Enter

2. "Select Object: " P1 Select

3. "Specify opposite corner:
P2 Click and SPACE

NOTE

- Ability to disassociate from leader and entities

Export/Import Dimension Styles

Command :
DIMEX,
DIMIM

DIMEX IN1.dwg
DIMEX Execution

Create Dim File

Select Dimension Style

Send out "DIM-MC"

NOTE

- You must create a.dim file when exporting.
- You can select "Text Style Name Only" or "Full Text Style Information" item when exporting
- Depending on your selection of options, you can overwrite the dimension styles on import or make additional selections.

Confirm

DIMSTYLE Execution

"DIM-MC" Confirm

Select Dim File

"DIM-MC" Bring.

DIMEX IN2.dwg

DIMIM Execution

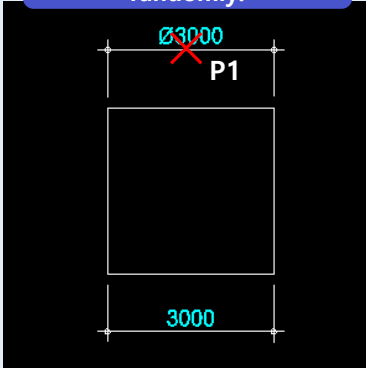
Button Click "Browse(B)..."

Reassociate the dimension text

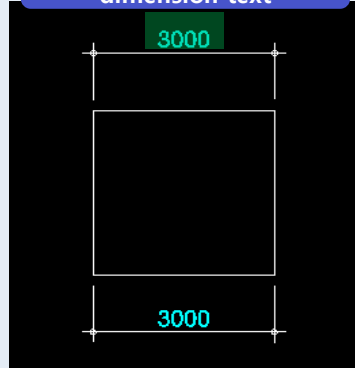
Command : dimreassoc

DIMREASSOC Basic principle

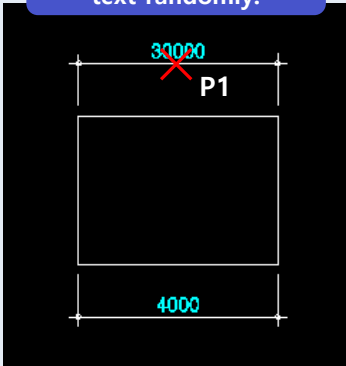
Modify dimension text randomly.



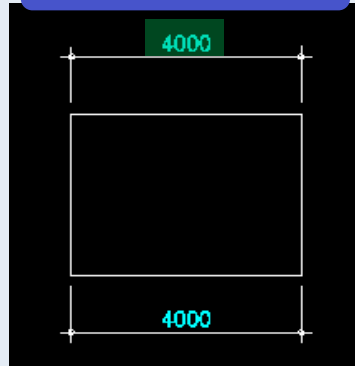
Return to original dimension text



Modify dimension text randomly.



Return to original measurement



30000 is not a measure

Execution Process

*. "dimreassoc.dwg" File OPEN

1. "Command : " Input "dimreassoc " and Enter

2. "Select ~ associative text:
P1 Click and SPACE

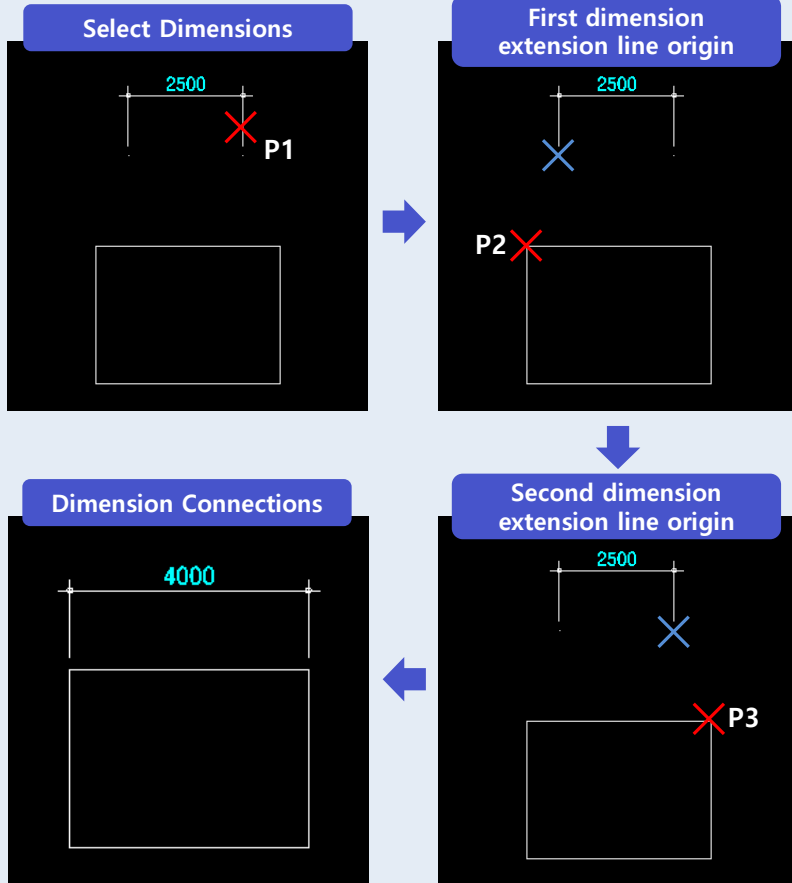
NOTE

- Change overrides and modified dimension text to original dimension text and measurements

Reassociate a dimension line with an entity

Command : dimreassociate

DIMREASSOC Basic principle



Execution Process

*. "dimreassociate.dwg" 파일 OPEN

1. "Command:"

Input "dimreassociate" and SPACE

2. "Select the dimension to be re-connected."

P1 Click and SPACE

3. "Specify first origin [Select Object(S)]<next>:"

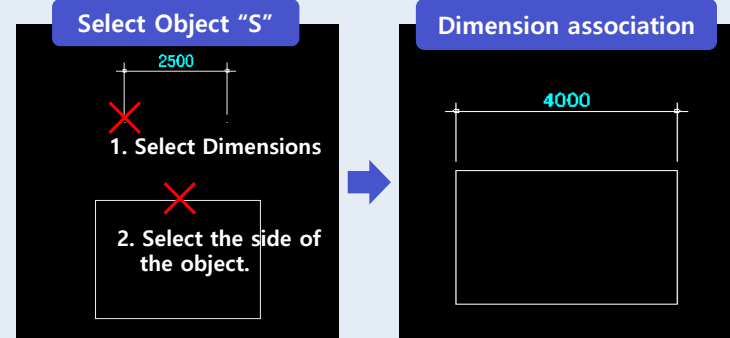
P2 Click and SPACE

4. "Specify a second origin<next>:"

P3 Click and SPACE

NOTE

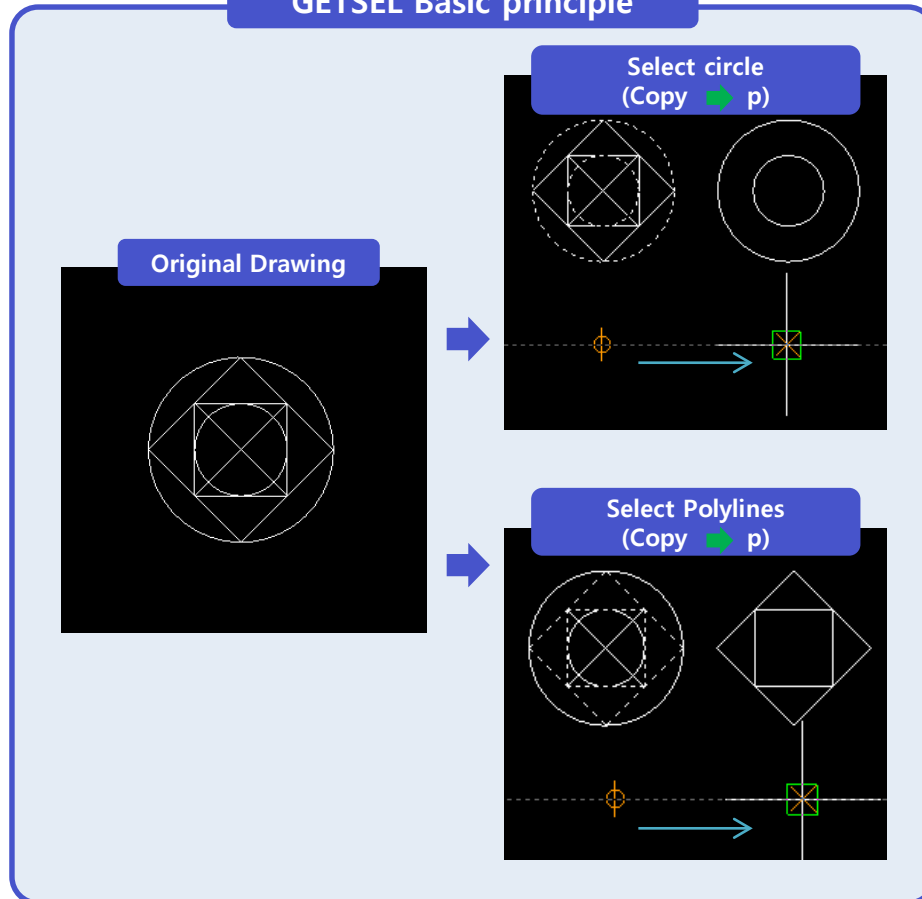
- Select dimension that is not association when you enter D in step 2. (The first drawn Dimensions)
- Skip step 4 when you type S in step 3.



Previously selected entity set

Command : getsel

GETSEL Basic principle



Execution Process

*. "getsel.dwg" File OPEN

1. "Command : " getsel Input and SPACE

2. "Select ~ layer <*>:" Click the entity (Layer)

3. "Select ~ want <*>:" Click the entity (Entity Type)

4. "Command : " copy Input and SPACE

5. "Select entities to copy : " p Input and SPACE

6. Move the mouse

NOTE

-. Entering P when selecting entities in the command enables the selection of common entities specified in getsel.

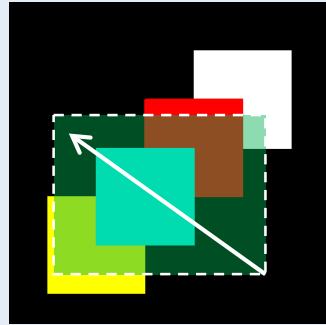
Color draworder

Command : cdorder

Training

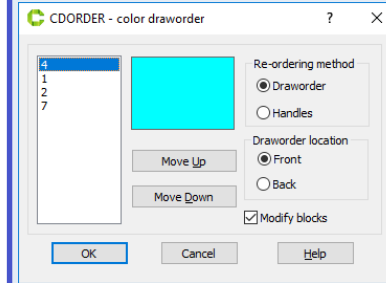
Sort by object color

cdorder.dwg



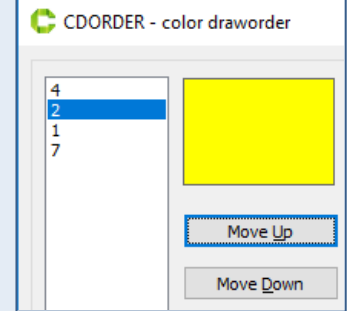
Select entity

CDORDER



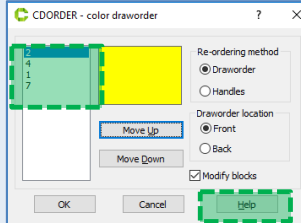
4: skyblue / 2 : yellow
Color can be distinguished by preview

Change color order

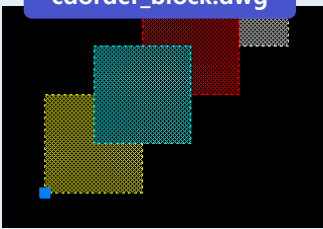


2 clicks and move up Select

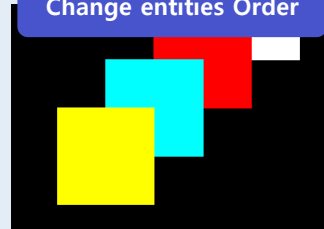
Aligning entities in Blocks



cdorder_block.dwg

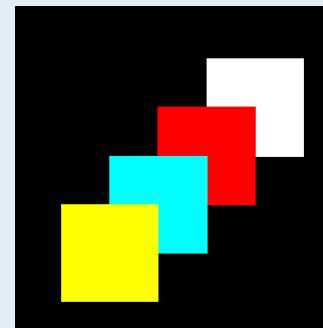


Change entities Order

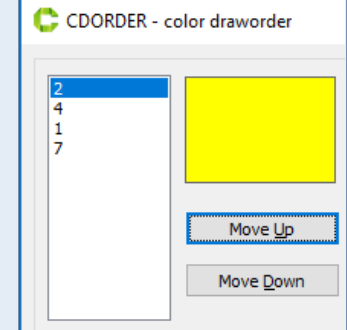


Execute "REGEN" Command when there is no change

Result



Change completed



Yellow (2 times) Move up

MOVE / COPY / ROTATE / SCALE

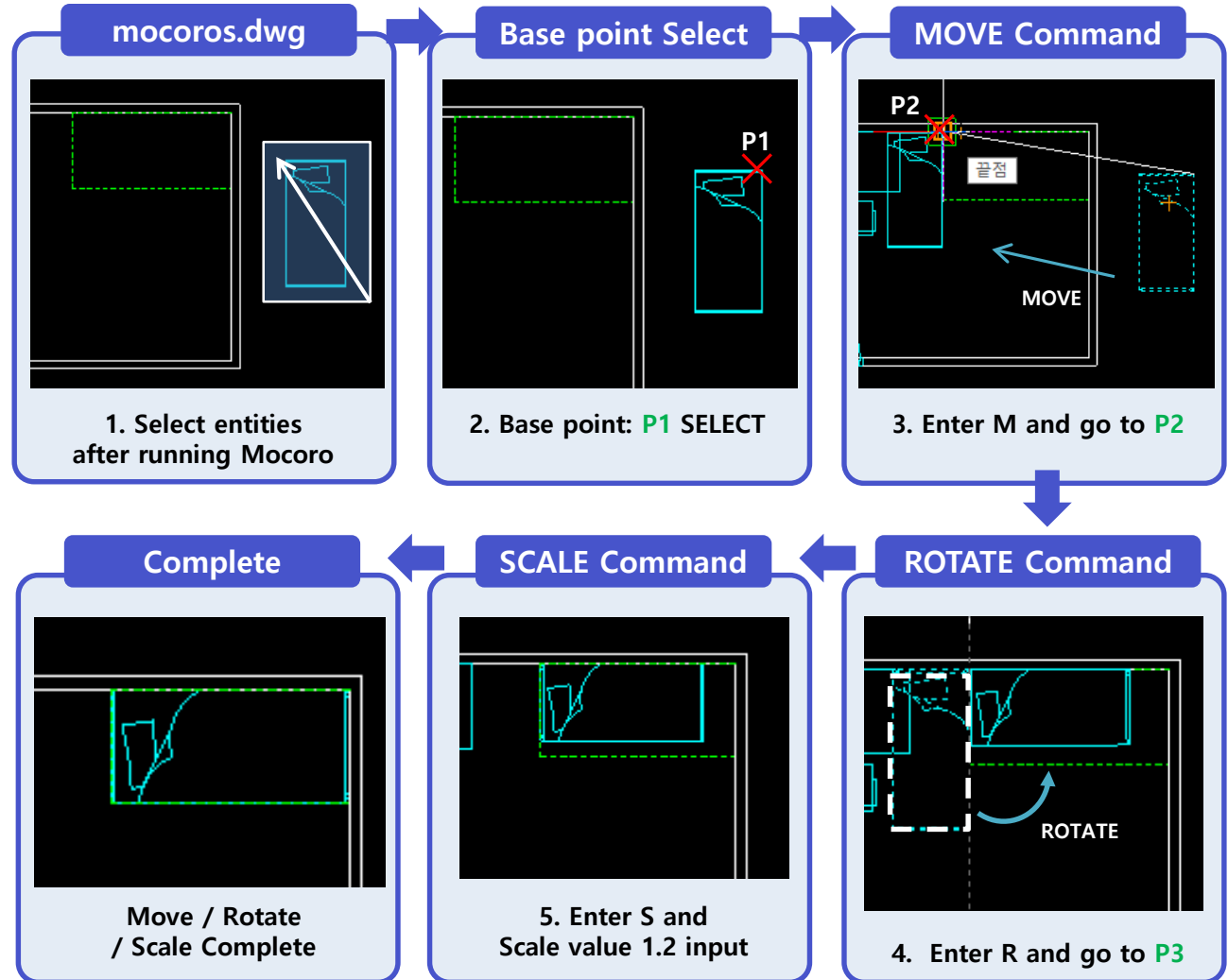
Command : moco

Training

Place bed at once with moco Command

NOTE

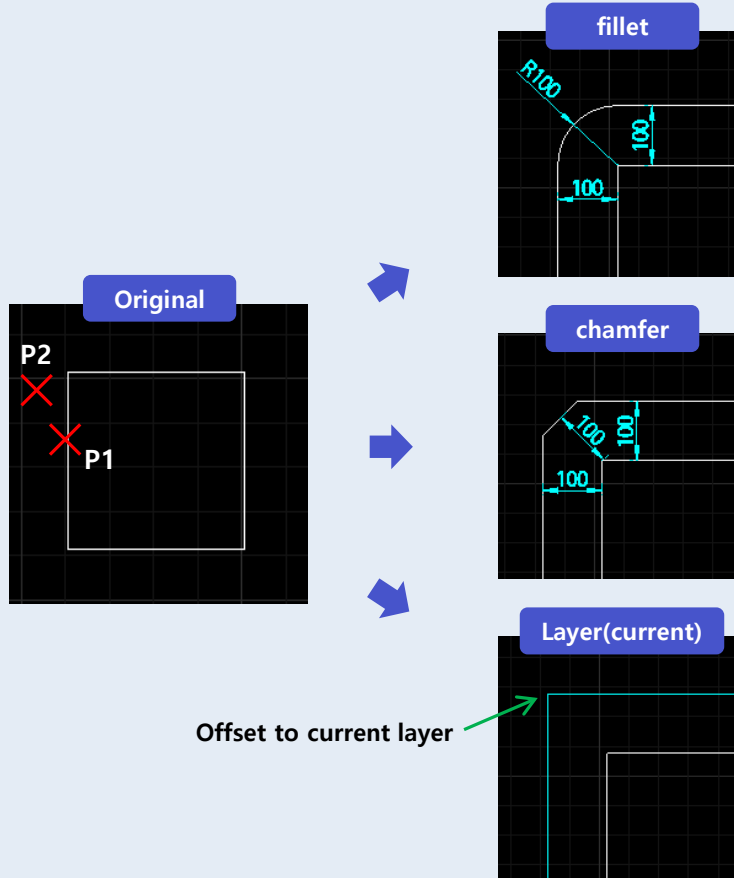
- Continue to use move, copy, rotate, scale, and base point functions unless you end the command
- Reference function disabled in scale and rotation



Offset Advanced

Command : exoffset

EXOFFSET Basic principle



Execution Process

*. "exoffset.dwg" File OPEN

1. "Command:" **exoffset** Input and SPACE

2. "Specify offset ~ :" **100** Input and SPACE

3. "Select object(s) to offset or [Options/Undo]: "
O Input and SPACE

4. "Specify ~ [Distance/Layer/Gaptype]: "
G Input and SPACE (GAPTYPE)

5. "Specify ~ [Normal/Fillet/Chamfer]: "
F Input and SPACE

6. "Select object(s) to offset or [Options/Undo]: "
P1 Click

7. "Side to offset or [Multiple/Options/Undo]: "
P2 Click and SPACE

NOTE

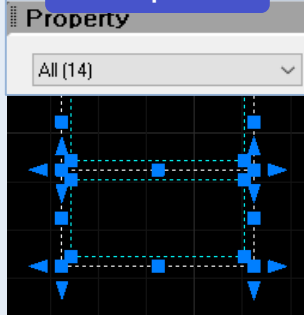
- In the latest version of AutoCAD, change the GAPTYPE in the OFFSETGAPTYPE variable in advance and EXOFFSET execute
- OFFSETGAPTYPE : 0 (General) 1 (FILLET) 2 (CHAMFER)

Join duplicate entities

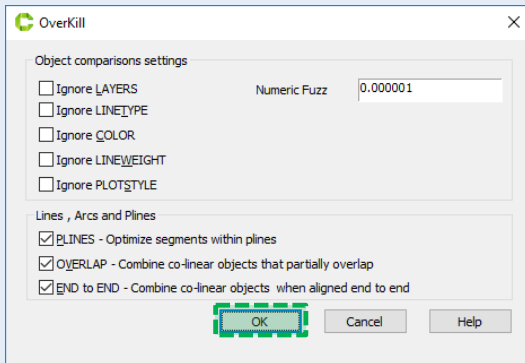
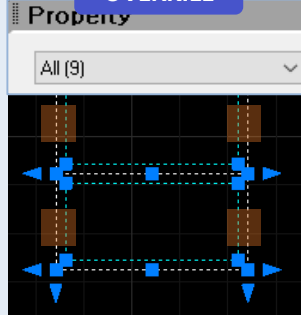
Command : overkill

OVERKILL Basic principle

Decomposition



OVERKILL



Execution Process

*. "overkill.dwg" File OPEN

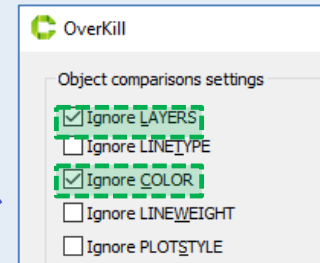
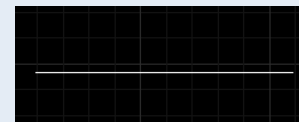
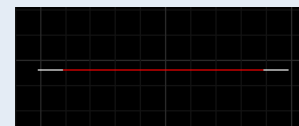
1. "Command:" **overkill** Input and SPACE

2. "Select entities:" Select All and SPACE

3. Click the OK button when the dialog opens

NOTE

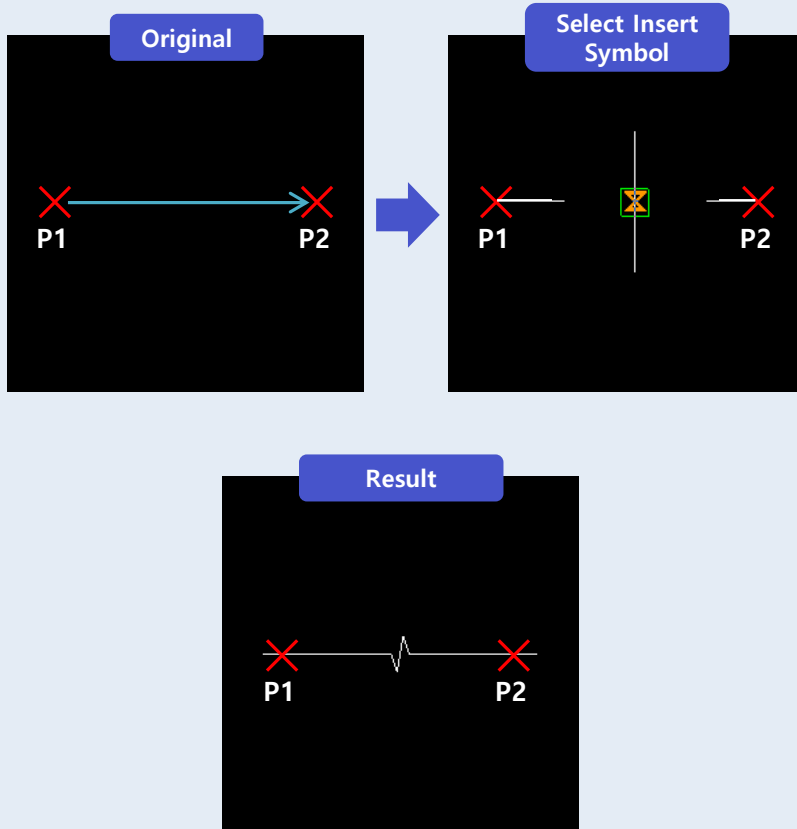
-. If the selected objects have different colors and layers, check the Ignore COLOR / Ignore LAYERS item in the dialog box and execute OVERKILL



BREAKLINE

Command : breakline

BREAKLINE Basic principle



Execution Process

- *. "breakline.dwg" File OPEN
1. "Command:" breakline Input and SPACE
2. "~ Specify first point for breakline or [Size/Extension] : " P1 SELECT
3. "~ second point for breakline: " P2 SELECT
4. "Specify location for break symbol <Midpoint>: " Midpoint SELECT

NOTE

- . When changing symbolic size and extension lines, the number can be changed by entering "Size(S) / Extension(E)" in step 1.

