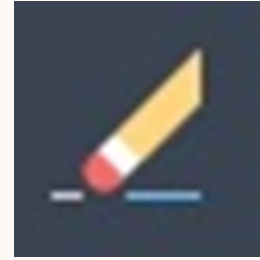


modify

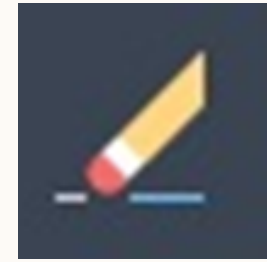
LECTURE TEN

Asst. lecturer
ISRAA HUSSEIN

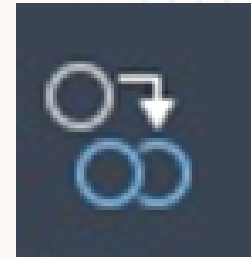


- Erase:
- The Erase option is used to completely delete one of the given drawing option (Completely erase a drawing command from object)
- The erase option is used in case of an error in one of the drawing options.
- The erase option is also used in deleted all drawing in graphical area.
- The erase arrived from :
- Home> modify> Erase.
- Menu Bar> modify> Erase
- Or from the command window by writing **Erase** after that click **enter**

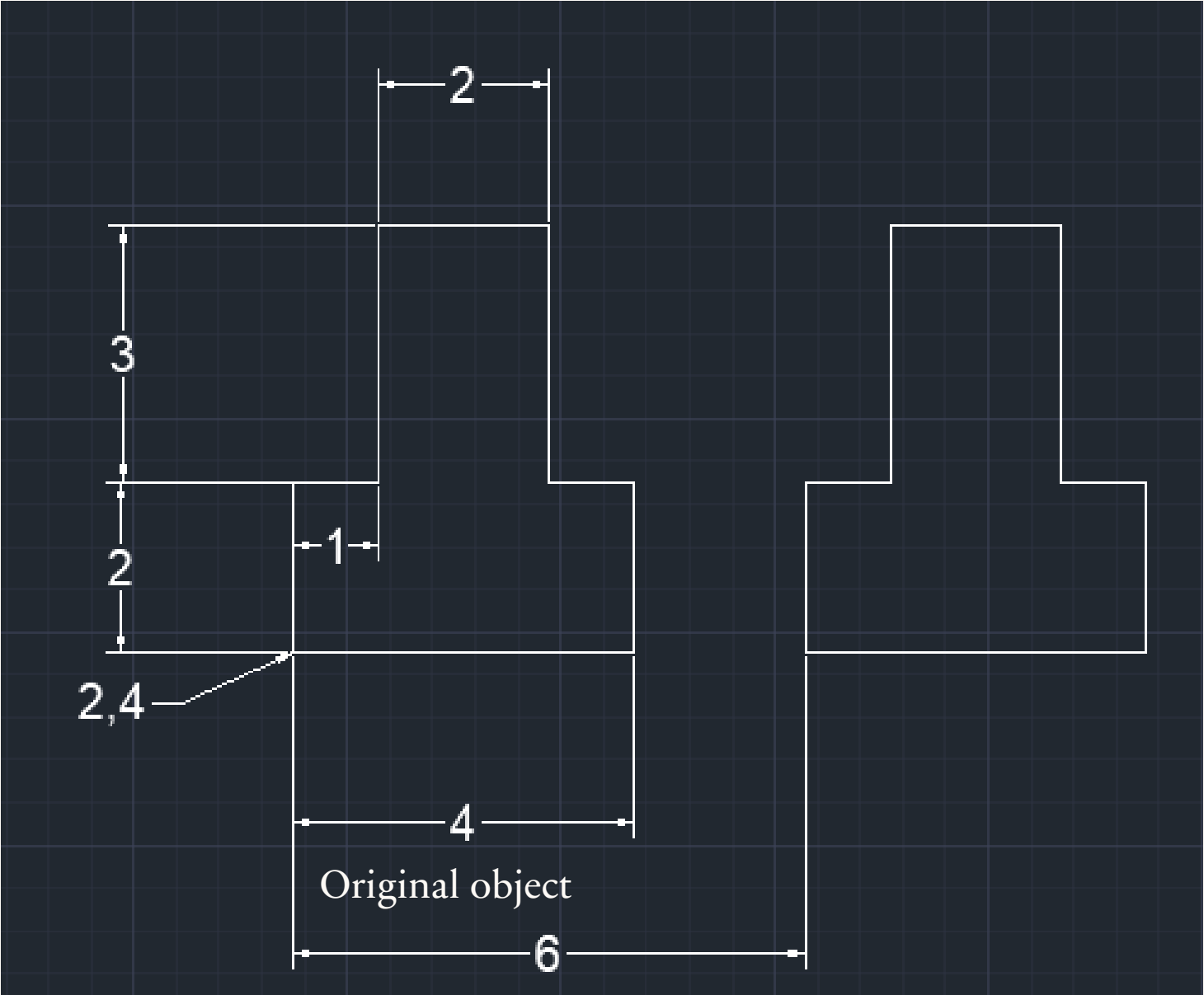
- The steps appeared when Erase any part in figure
- Command: ERASE enter
- Select objects: select part of draw needed to erase
- Select objects: click enter



- Copy :
- Home> modify> Copy.
- Menu Bar> modify> Copy
- Or from the command window by writing Copy after that click enter
- The copy command is used to copy any object by select object and then specify the base point, after that dragged the object to the specify position by select a point (this point is where you want to copied the object)
- You can also copy same object to multiple copy
- You can use U (undo) to undo the last copy after that you can again specify the position of the object need to copy.



Example/ Draw the figure by using draw and modify options?



Solution

Command: **_line**

Specify first point: **2,4 enter**

Specify next point or [Undo]: **@4,0 enter**

Specify next point or [Undo]: **@0,2 enter**

Specify next point or [Close/Undo]: **@-1,0 enter**

Specify next point or [Close/Undo]: **@0,3 enter**

Specify next point or [Close/Undo]: **@-2,0 enter**

Specify next point or [Close/Undo]: **@0,-3 enter**

Specify next point or [Close/Undo]: **@-1,0 enter**

Specify next point or [Close/Undo]: **c enter**

Command: **_copy** Specify radius of circle or [Diameter] <3.4943>: 1

Select objects: **select the object to copy**

Select objects: **enter**

Specify base point or [Displacement/mOde] <Displacement>: **2,4 enter**

Specify second point or [Array] <use first point as displacement>: **@6,0 enter**

Specify second point or [Array/Exit/Undo] <Exit>: **Exit enter**

Example/ Draw the figure by using draw and copy the figure at distance 10units from the (right, left, under, below) the specify base point ?

Solution

Command: `_line`

Specify first point: `2,4` enter

Specify next point or [Undo]: `@4,0` enter

Specify next point or [Undo]: `@0,2` enter

Specify next point or [Close/Undo]: `@-1,0` enter

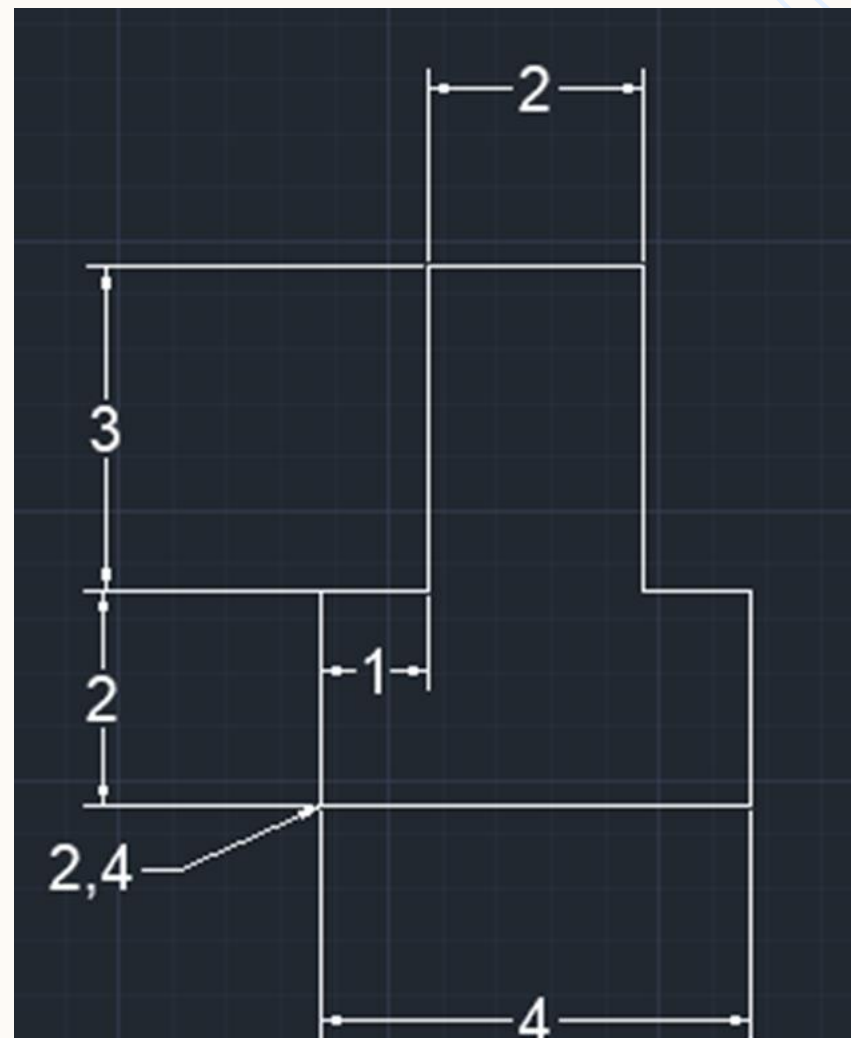
Specify next point or [Close/Undo]: `@0,3` enter

Specify next point or [Close/Undo]: `@-2,0` enter

Specify next point or [Close/Undo]: `@0,-3` enter

Specify next point or [Close/Undo]: `@-1,0` enter

Specify next point or [Close/Undo]: `c` enter



Solution

For copy

Command: `_copy`

Select objects: `select the object to copy`

Select objects: `enter`

Specify base point or [Displacement/mOde]

<Displacement>: `3,6 enter`

Specify second point or [Array] <use first point as displacement>: `@10,0 enter`

Specify second point or [Array/Exit/Undo]

<Exit>: `@-10,0 enter`

Specify second point or [Array/Exit/Undo]

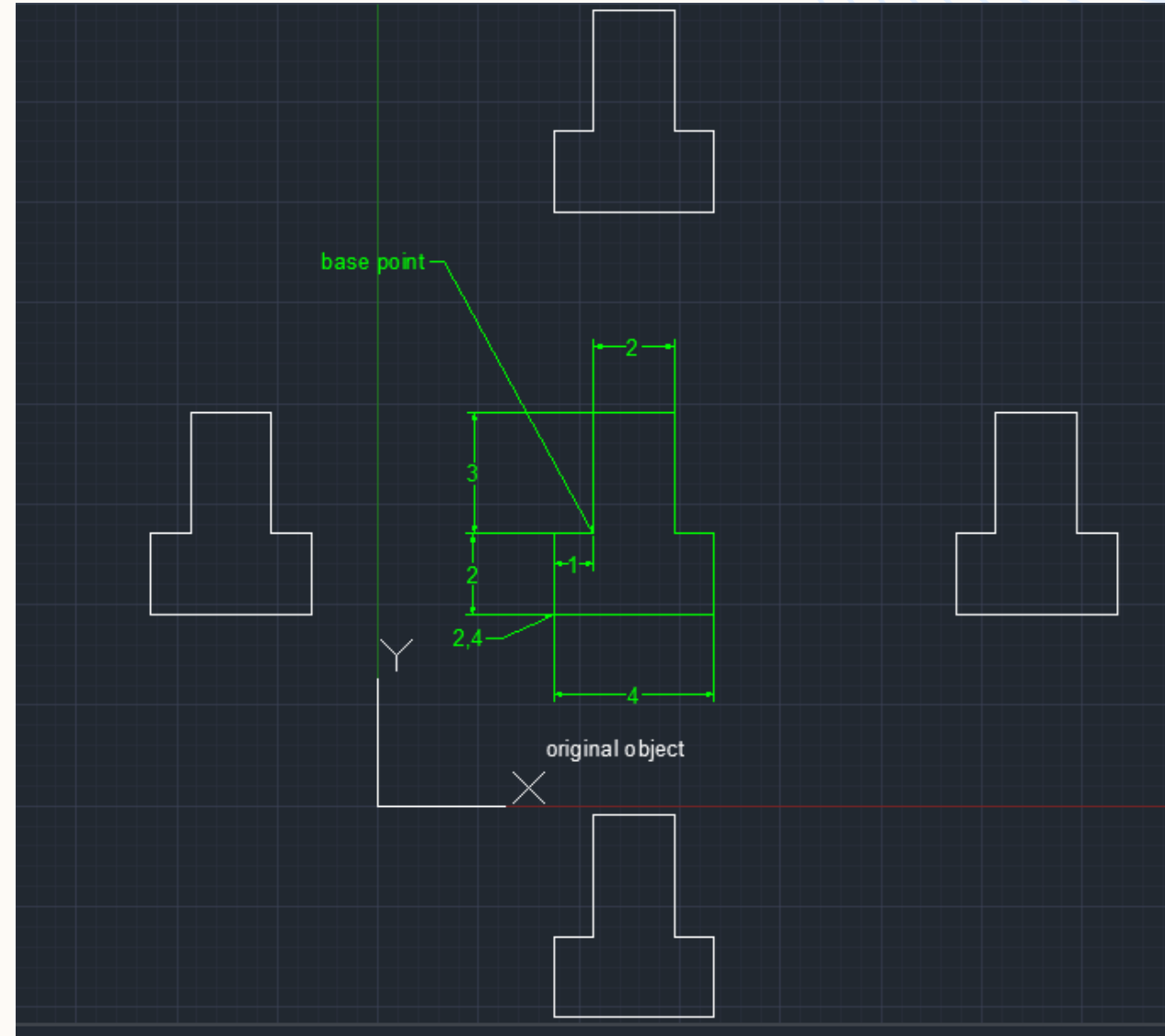
<Exit>: `@0,10 enter`

Specify second point or [Array/Exit/Undo]

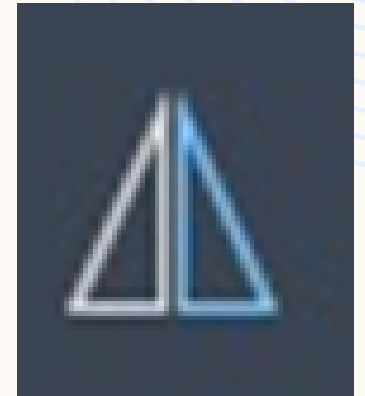
<Exit>: `@0,-10 enter`

Specify second point or [Array/Exit/Undo]

<Exit>: `Exit enter`



- **Mirror :**
- Home> modify> Mirror.
- Menu bar> modify> Mirror
- Or from the command window by writing **Mirror** after that click **enter**
- The Mirror command creates a mirror copy of selected object
- AutoCAD allow you to select object after that select the mirror line by enter first point of the mirror line and second point of the mirror line.(A mirror line is an imaginary line about which objects are reflected) خط المرآة هو خط وهمي تنعكس حوله الأشياء(reflected)
- To mirror the objects at some angle, define the mirror line accordingly. For example, to mirror an object such that the mirrored object is placed at an angle of 90-degree from the original object, define the mirror line at an angle of 45-degree.



لعكس الكائنات بزواوية معينة، حدد خط المرآة وفقاً لذلك. على سبيل المثال، لعكس كائن بحيث يتم وضع الكائن المعكوس بزواوية 90 درجة من الكائن الأصلي، حدد خط المرآة بزواوية 45 درجة،

Steps of Mirror figure

command: `_mirror`

Select objects: select the object to be mirror

Select objects: `enter`

Specify first point of mirror line: specify the first point

Specify second point of mirror line: specify the second point

Erase source objects? [Yes/No] <No>: Yes enter for delete the original object
No enter for keeping original object

Example/ Draw the figure by using draw option and mirror it from point 6,4 and at an angle 90° degree?

Solution

Command: `_line`

Specify first point: `2,4 enter`

Specify next point or [Undo]: `@4,0 enter`

Specify next point or [Undo]: `@0,2 enter`

Specify next point or [Close/Undo]: `@-1,0 enter`

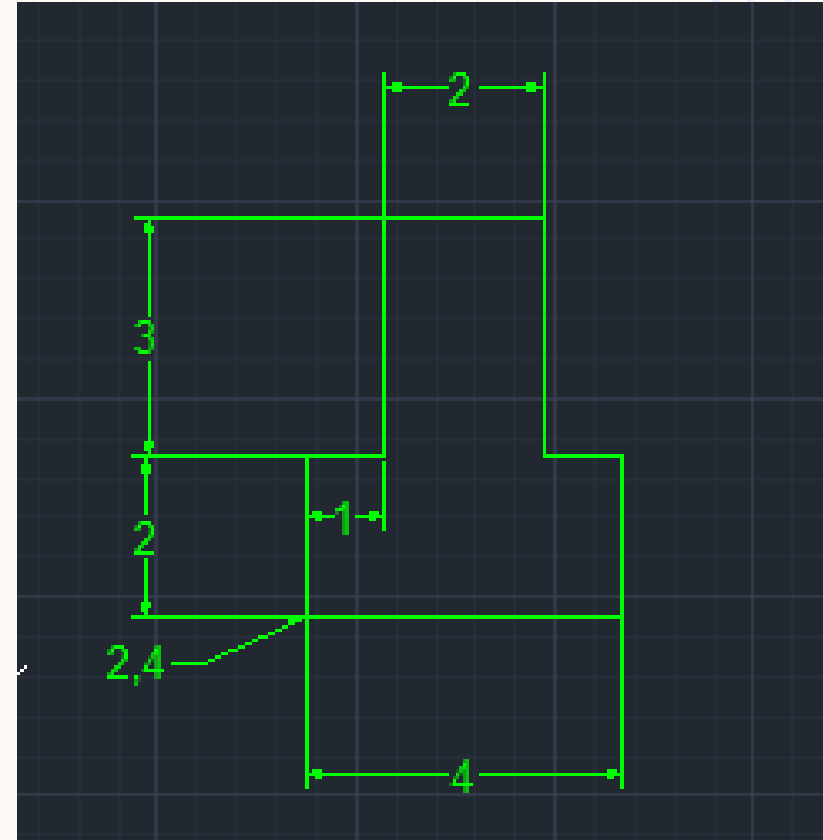
Specify next point or [Close/Undo]: `@0,3 enter`

Specify next point or [Close/Undo]: `@-2,0 enter`

Specify next point or [Close/Undo]: `@0,-3 enter`

Specify next point or [Close/Undo]: `@-1,0 enter`

Specify next point or [Close/Undo]: `c enter`



For mirror

Command: `_mirror`

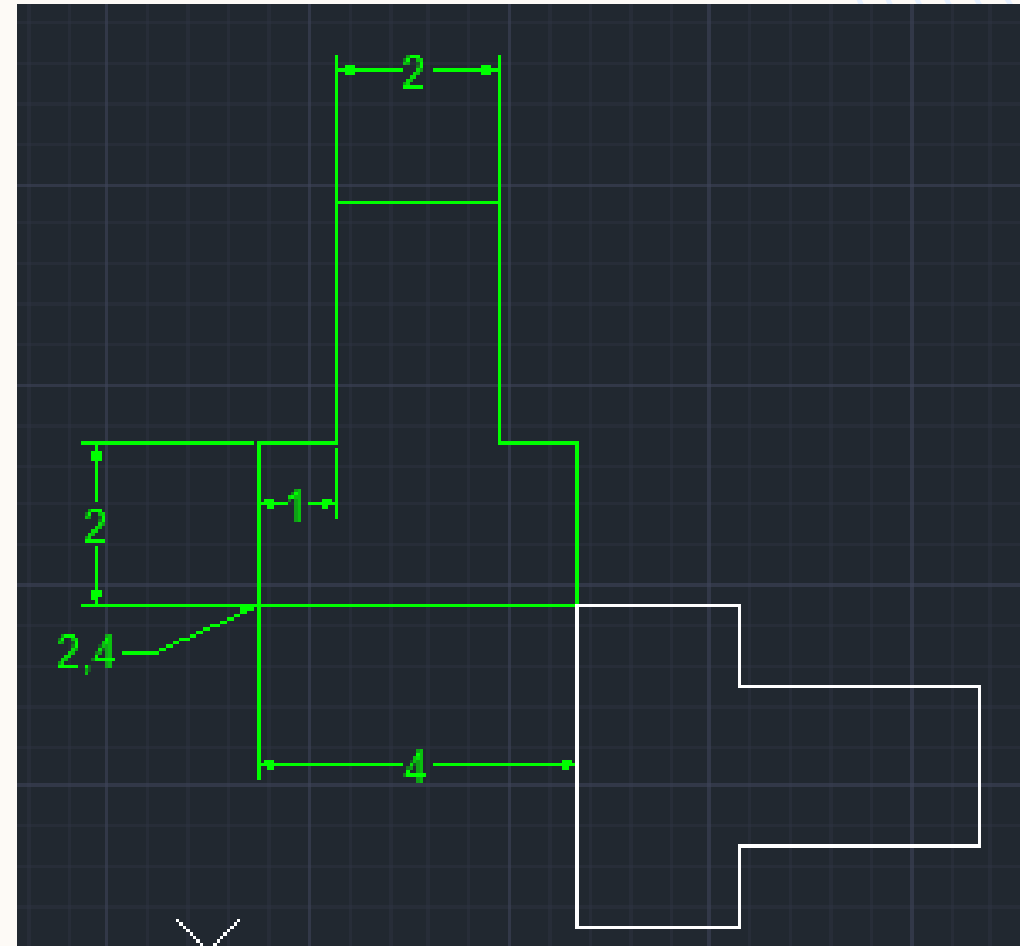
Select objects: select the object to be mirror

Select objects: `enter`

Specify first point of mirror line: `6,4` `enter`

Specify second point of mirror line: `@3<45`
`enter`

Erase source objects? [Yes/No] `<No>`: `n` `enter`



THANK YOU

The background features a large white circle on the left, a dark blue circle on the right, and a pink circle on the right with white concentric lines.