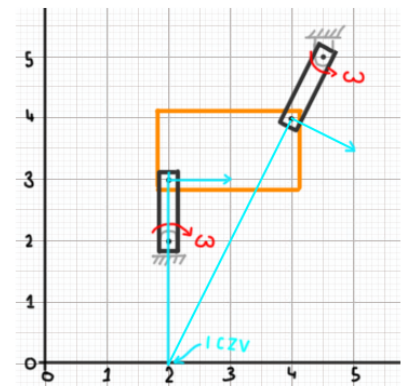
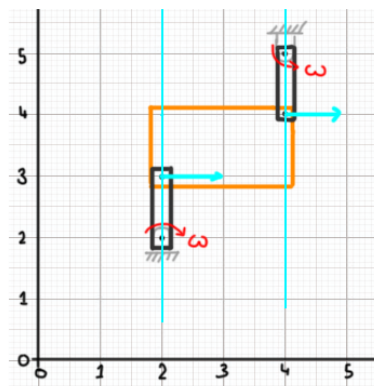
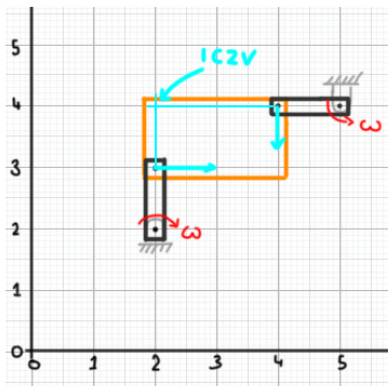


21-R-KM-SS-33

Find the coordinates of the ICZV of the orange member in each of the following cases. Round answers to the nearest integer. Enter 'Inf' if there is no ICZV.

Solution

The process for each case is the same: Find two points of the orange member of known velocity. Draw a line perpendicular to the vector arrow at the two points. The ICZV is the point of intersection of the two lines.



A:

$$x = 2$$

$$y = 4$$

B:

$$x = Inf$$

$$y = Inf$$

There is no intersection, so it is purely translating.

C:

$$x = 2$$

$$y = 0$$