Perspective and Outcodes

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Upside Up

Figure 1: Upside Up
Upside Down

Figure 2: Upside Down
2D OutCode

An outcode in $\mathbb{R}^2$ is a 4 digit binary number for each vertex of a line segment.

RightTopLeftBottom, where a ’1’ in the second entry for Top indicates that this specific endpoint is above a rectangular region.

Similar remarks for other entries.

outcode(P0) = outcode(P1) = 0000, then the segment lies entirely inside and should be drawn in full.
Second entries both 1, then the line segment is entirely above the rectangle and should not be drawn at all.

More difficult cases ....