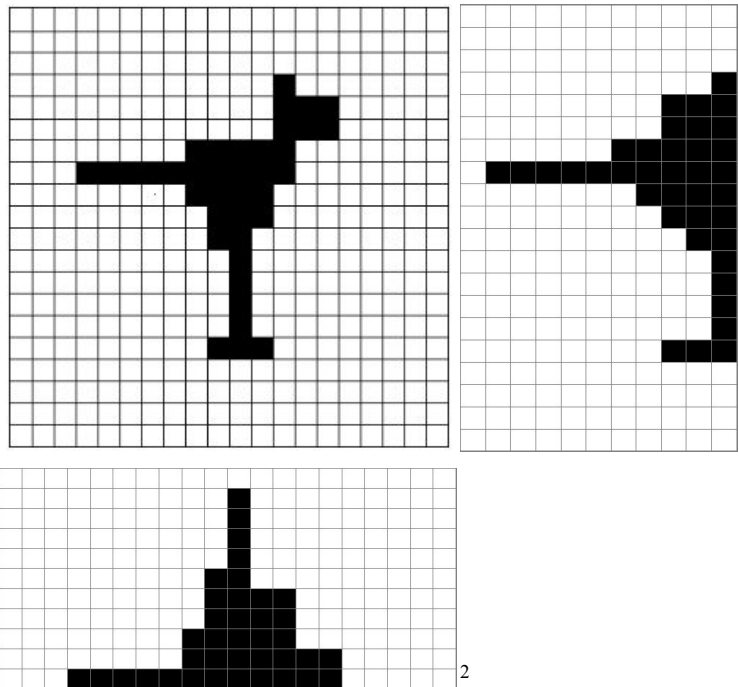


Assignment A1
Part 1: paper-and-pencil

Assignment: projections, labeling, and pyramids

1. Projections:
 1. Define the horizontal and vertical projection vectors H and V mathematically for a binary image $B(x,y)$.
 - a. (V) Vertical vector: $P1(y) = \sum_x B(x,y)$
 - b. (H) Horizontal vector: $P2(x) = \sum_y B(x,y)$
 2. Draw the projection vectors H and V for the following image:



¹ (H) Horizontal Projection Vectors

² (V) Vertical Projection Vectors