Pre-class exercise

• The 3x3 “Prewitt” operator is shown below. Assume that it is applied to an image I, composed of a vertical step edge*.
  – By hand, compute the result of correlating P with I
  – By hand, compute the result of convolving P with I

*Assume that the image has 10’s to the left and 0’s to the right of the step, and the pattern continues infinitely above and below.